

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Formosa Plastics Corporation, Texas

AUTHORIZING THE OPERATION OF  
Formosa Point Comfort Plant  
EDC Cracking, VCM & PVC Processing Facility  
Petrochemical Manufacturing

LOCATED AT  
Calhoun County, Texas  
Latitude 28° 41' 20" Longitude 96° 32' 50"  
Regulated Entity Number: RN100218973

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: O1954 Issuance Date: \_\_\_\_\_

\_\_\_\_\_  
For the Commission

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## **General Terms and Conditions**

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

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

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

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

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

## **Special Terms and Conditions:**

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

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

- E. Emission units subject to 40 CFR Part 63, Subpart F as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.110 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. Emission units subject to 40 CFR Part 63, Subpart HHHHHHH as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1555 which incorporates the 40 CFR Part 63 Subpart by reference.
  - G. Emission units subject to 40 CFR Part 63, Subpart DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1130 which incorporates the 40 CFR Part 63 Subpart by reference.
  - H. Emission units subject to 40 CFR Part 63, Subpart EEEE as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.880 which incorporates the 40 CFR Part 63 Subpart by reference.
  - I. Emission units subject to 40 CFR Part 63, Subpart H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.130 which incorporates the 40 CFR Part 63 Subpart by reference.
  - J. Emission units subject to 40 CFR Part 63, Subpart G as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.120 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

- (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(1)(E)
- (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
  - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
  - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
  - (3) Records of all observations shall be maintained.
  - (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the

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

(5) Compliance Certification:

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

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

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each

calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (4) Compliance Certification:
    - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A).
    - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 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(c)(1).
- 5. 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)
- 6. 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)
7. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
  - B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)
  - C. For exempting waste streams:
    - (i) Title 40 CFR § 61.342(c)(3)(i) (relating to Standards: General)
    - (ii) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - E. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - F. 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)
  - G. Title 40 CFR § 61.355(j) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - H. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - I. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b)(2)(i) - (ii) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
  - M. Title 40 CFR § 61.357(d)(3) (relating to Reporting Requirements)
8. 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.
9. 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).
10. 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)(i) and (e)(1)(ii) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
- 11. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 1 or Group 2 wastewater stream that is also subject to 40 CFR Part 61, Subpart F, 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(f)(4)(i) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
- 12. 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)
- 13. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
  - A. General Leak Detection Requirements:
    - (i) Title 40 CFR § 63.148(d)(1) - (3), and (e) (relating to Leak Inspection Provisions)
    - (ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
    - (iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), and 63.152(a)(1) - (5), for recordkeeping requirements
    - (iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), and (b)(4), for reporting requirements
  - B. For closed vent system or vapor collection systems constructed of hard piping:
    - (i) Title 40 CFR § 63.148(b)(1)(ii) (relating to Leak Inspection Provisions), for monitoring and testing requirements
    - (ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements
  - C. For facilities not operating flow indicators:
    - (i) Title 40 CFR § 63.148(f)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
    - (ii) Title 40 CFR § 63.148(i)(3)(ii) (relating to Leak Inspection Provisions), for recordkeeping requirements

- (iii) Title 40 CFR § 63.148(j)(3) (relating to Leak Inspection Provisions), for reporting requirements

- 14. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.
- 15. For process vents subject to 40 CFR Part 63, Subpart HHHHHHH (Unit ID Nos. 006B, 006C, and 006E), compliance with the emission standards and other requirements which have been under reconsideration by EPA since September 28, 2012 is not required until EPA finalizes the reconsideration process. At that time, the permit holder shall comply with all promulgated applicable requirements and shall submit a revision application to codify the requirements in the permit. This was approved under NSR Permit No. 7699.

#### **Additional Monitoring Requirements**

- 16. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time 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**

- 17. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated September 26, 2025 in the application for project 36245), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield

18. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
19. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, 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).

### **Compliance Requirements**

20. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
21. 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**

22. 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**

23. 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.

### **Alternative Requirements**

24. 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. The units complying with an approved alternative requirement are VW-C02, 999, and VW-C11. The permit holder shall maintain the original documentation, from the 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**

25. 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)**

26. 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**

|                           |           |
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| <b>Applicable Requirements Summary .....</b> | <b>24</b> |
|----------------------------------------------|-----------|

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/<br>Process ID No. | Unit Type                                             | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver      |
|-------------------------------|-------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| 006A/B/C                      | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS  | N/A                      | R5121-1       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 006A/B/C                      | BOILERS/STEAM<br>GENERATORS/STEAM<br>GENERATING UNITS | N/A                      | 60DC-1        | 40 CFR Part 60, Subpart Dc               | No changing attributes. |
| 006A/B/C                      | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS  | N/A                      | 63G-6         | 40 CFR Part 63, Subpart G                | No changing attributes. |
| 006D/E                        | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS  | N/A                      | R5121-1       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 006D/E                        | BOILERS/STEAM<br>GENERATORS/STEAM<br>GENERATING UNITS | N/A                      | 60DC-1        | 40 CFR Part 60, Subpart Dc               | No changing attributes. |
| 006D/E                        | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS  | N/A                      | 63G-7         | 40 CFR Part 63, Subpart G                | No changing attributes. |
| 007-1                         | FUGITIVE EMISSION<br>UNITS                            | N/A                      | 60VV-1        | 40 CFR Part 60, Subpart VV               | No changing attributes. |
| 007-1                         | FUGITIVE EMISSION<br>UNITS                            | N/A                      | 61F-1         | 40 CFR Part 61, Subpart F                | No changing attributes. |
| 007-1                         | FUGITIVE EMISSION<br>UNITS                            | N/A                      | 61V-1         | 40 CFR Part 61, Subpart V                | No changing attributes. |
| 007-1                         | FUGITIVE EMISSION<br>UNITS                            | N/A                      | 63H-1         | 40 CFR Part 63, Subpart H                | No changing attributes. |
| 007-1                         | FUGITIVE EMISSION<br>UNITS                            | N/A                      | 63HHHHHHH-1   | 40 CFR Part 63, Subpart<br>HHHHHHH       | No changing attributes. |
| 313A                          | EMISSION                                              | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent                 | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver      |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
|                               | POINTS/STATIONARY<br>VENTS/PROCESS VENTS             |                          |               | Gas Controls                             |                         |
| 313B                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313C                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313D                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313E                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313F                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313G                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313H                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 313I                          | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| 415                           | PROCESS<br>HEATERS/FURNACES                          | N/A                      | 63DDDDDD      | 40 CFR Part 63, Subpart<br>DDDDDD        | No changing attributes. |
| 416                           | PROCESS                                              | N/A                      | 63DDDDDD      | 40 CFR Part 63, Subpart                  | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units                                               | SOP Index No. | Regulation                                             | Requirement Driver      |
|-------------------------------|------------------------------------------------------|------------------------------------------------------------------------|---------------|--------------------------------------------------------|-------------------------|
|                               | HEATERS/FURNACES                                     |                                                                        |               | DDDDD                                                  |                         |
| 417                           | PROCESS<br>HEATERS/FURNACES                          | N/A                                                                    | 63DDDDD       | 40 CFR Part 63, Subpart<br>DDDDD                       | No changing attributes. |
| 418                           | PROCESS<br>HEATERS/FURNACES                          | N/A                                                                    | 63DDDDD       | 40 CFR Part 63, Subpart<br>DDDDD                       | No changing attributes. |
| 419                           | PROCESS<br>HEATERS/FURNACES                          | N/A                                                                    | 63DDDDD       | 40 CFR Part 63, Subpart<br>DDDDD                       | No changing attributes. |
| 420                           | PROCESS<br>HEATERS/FURNACES                          | N/A                                                                    | 63DDDDD       | 40 CFR Part 63, Subpart<br>DDDDD                       | No changing attributes. |
| 999                           | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                                                                    | R1111         | 30 TAC Chapter 111, Visible<br>Emissions               | No changing attributes. |
| 999                           | COOLING TOWER                                        | N/A                                                                    | 63HHHHHHH-1   | 40 CFR Part 63, Subpart<br>HHHHHHH                     | No changing attributes. |
| GRP-RES-STRIPR                | RESIN STRIPPER                                       | PC-701A, PC-701B,<br>PC-701C, PC-701F,<br>PC-701G, PC-701H,<br>PC-701I | 63HHHHHHH-1   | 40 CFR Part 63, Subpart<br>HHHHHHH                     | No changing attributes. |
| HE/LE                         | LOADING/UNLOADING<br>OPERATIONS                      | N/A                                                                    | R5211-1       | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes. |
| HE/LE                         | LOADING/UNLOADING<br>OPERATIONS                      | N/A                                                                    | 63G-7         | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| MEOH UNL                      | LOADING/UNLOADING<br>OPERATIONS                      | N/A                                                                    | R5211-4       | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes. |
| MEOH UNL                      | LOADING/UNLOADING<br>OPERATIONS                      | N/A                                                                    | 63EEEE-1      | 40 CFR Part 63, Subpart<br>EEEE                        | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                        | Group/Inclusive<br>Units | SOP Index No. | Regulation                                             | Requirement Driver                                   |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|--------------------------------------------------------|------------------------------------------------------|
| PV-301                        | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-2       | 30 TAC Chapter 115, Water<br>Separation                | No changing attributes.                              |
| PV-301                        | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G                              | No changing attributes.                              |
| PV-301B                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-2       | 30 TAC Chapter 115, Water<br>Separation                | No changing attributes.                              |
| PV-301B                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G                              | No changing attributes.                              |
| PVCGEN                        | SRIC ENGINES                                     | N/A                      | 63ZZZZ-1      | 40 CFR Part 63, Subpart<br>ZZZZ                        | No changing attributes.                              |
| TC LOAD                       | LOADING/UNLOADING<br>OPERATIONS                  | N/A                      | R5211-2       | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes.                              |
| TC LOAD                       | LOADING/UNLOADING<br>OPERATIONS                  | N/A                      | 63EEEE-1      | 40 CFR Part 63, Subpart<br>EEEE                        | No changing attributes.                              |
| TC UNLOAD                     | LOADING/UNLOADING<br>OPERATIONS                  | N/A                      | R5211-3       | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes.                              |
| TC UNLOAD                     | LOADING/UNLOADING<br>OPERATIONS                  | N/A                      | 63EEEE-1      | 40 CFR Part 63, Subpart<br>EEEE                        | No changing attributes.                              |
| VCM UNIT                      | FUGITIVE EMISSION<br>UNITS                       | N/A                      | 61F-4         | 40 CFR Part 61, Subpart F                              | No changing attributes.                              |
| VCM UNIT                      | VINYL CHLORIDE<br>PROCESS                        | N/A                      | 61F-4         | 40 CFR Part 61, Subpart F                              | Product Produced = Vinyl chloride<br>by any process. |
| VCM UNIT                      | VINYL CHLORIDE                                   | N/A                      | 61F-4A        | 40 CFR Part 61, Subpart F                              | Product Produced = Ethylene                          |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver                                                                                                                                                                                                                                             |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | PROCESS                                              |                          |               |                                          | dichloride by reaction of oxygen and hydrogen chloride with ethylene., Oxychlorination Reactor = The process contains an oxychlorination reactor., Ethylene Dichloride Purification = The process contains equipment used in ethylene dichloride purification. |
| VCM UNIT                      | CHEMICAL<br>MANUFACTURING<br>PROCESS                 | N/A                      | 63F-1         | 40 CFR Part 63, Subpart F                | No changing attributes.                                                                                                                                                                                                                                        |
| VCMUNITWW                     | WASTEWATER                                           | N/A                      | 63HHHHHHH-1   | 40 CFR Part 63, Subpart<br>HHHHHHH       | No changing attributes.                                                                                                                                                                                                                                        |
| VR-290                        | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-2       | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes.                                                                                                                                                                                                                                        |
| VT-203D                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | R5131-2       | 30 TAC Chapter 115, Water<br>Separation  | No changing attributes.                                                                                                                                                                                                                                        |
| VT-203D                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G                | No changing attributes.                                                                                                                                                                                                                                        |
| VT-203E                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | R5131-2       | 30 TAC Chapter 115, Water<br>Separation  | No changing attributes.                                                                                                                                                                                                                                        |
| VT-203E                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G                | No changing attributes.                                                                                                                                                                                                                                        |
| VT-204D                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation  | No changing attributes.                                                                                                                                                                                                                                        |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                        | Group/Inclusive<br>Units | SOP Index No. | Regulation                              | Requirement Driver      |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|-----------------------------------------|-------------------------|
| VT-204D                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-204E                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-204E                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-205E                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-208A/C                     | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-208A/C                     | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-301A                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-301A                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-301A/B                     | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-301A/B                     | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                        | Group/Inclusive<br>Units | SOP Index No. | Regulation                              | Requirement Driver      |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|-----------------------------------------|-------------------------|
| VT-302A                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-302A                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-302A/B                     | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-302A/B                     | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-611C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-611C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-630C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-630C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-632C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-632C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                        | Group/Inclusive<br>Units | SOP Index No. | Regulation                              | Requirement Driver      |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|-----------------------------------------|-------------------------|
| VT-633C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-1       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VT-633C                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-710                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-710                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-720                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-720                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-721                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-721                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-722                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-722                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-730                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-730                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-731                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                        | Group/Inclusive<br>Units | SOP Index No. | Regulation                              | Requirement Driver      |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|-----------------------------------------|-------------------------|
| VT-731                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-732                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-732                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-760                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-760                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-763C                       | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-763C                       | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VT-763D                       | STORAGE<br>TANKS/VESSELS                         | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs  | No changing attributes. |
| VT-763D                       | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G               | No changing attributes. |
| VV 752                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63HHHHHHH-1   | 40 CFR Part 63, Subpart<br>HHHHHHH      | No changing attributes. |
| VV 753                        | STORAGE<br>TANKS/VESSELS                         | N/A                      | 63HHHHHHH-1   | 40 CFR Part 63, Subpart<br>HHHHHHH      | No changing attributes. |
| VV-305B                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | R5131-2       | 30 TAC Chapter 115, Water<br>Separation | No changing attributes. |
| VV-305B                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G               | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver      |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| VV-506B                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | R5131-2       | 30 TAC Chapter 115, Water<br>Separation  | No changing attributes. |
| VV-506B                       | VOLATILE ORGANIC<br>COMPOUND WATER<br>SEPARATORS     | N/A                      | 63G-5         | 40 CFR Part 63, Subpart G                | No changing attributes. |
| VV-751C                       | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes. |
| VV-769A                       | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes. |
| VV-769A                       | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G                | No changing attributes. |
| VV-769B                       | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes. |
| VV-769B                       | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-1         | 40 CFR Part 63, Subpart G                | No changing attributes. |
| VV-790                        | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-1       | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes. |
| VV-790                        | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-2         | 40 CFR Part 63, Subpart G                | No changing attributes. |
| VW-C02                        | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111         | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes. |
| VW-C11                        | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111         | 30 TAC Chapter 111, Visible<br>Emissions | 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)                                                                                                                   |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 006A/B/C                  | EP                      | R5121-1       | VOC             | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                                                                     | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                   | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C)                                                          | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C)                                                                     | None                                                                                                                                                        |
| 006A/B/C                  | EU                      | 60DC-1        | PM              | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)                                                                                               | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None                                                                                                     | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)                                                                | [G]§ 60.48c(a)                                                                                                                                              |
| 006A/B/C                  | EU                      | 60DC-1        | PM (Opacity)    | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)                                                                                               | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None                                                                                                     | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)                                                                | [G]§ 60.48c(a)                                                                                                                                              |
| 006A/B/C                  | EU                      | 60DC-1        | SO <sub>2</sub> | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)                                                                                               | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None                                                                                                     | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)                                                                | [G]§ 60.48c(a)                                                                                                                                              |
| 006A/B/C                  | EP                      | 63G-6         | 112(B) HAPS     | 40 CFR Part 63, Subpart G             | [G]§ 63.113(a)(2)<br>§ 63.113(c)(1)<br>§ 63.113(c)(1)(ii)<br>§ 63.113(h)<br>[G]§ 63.115(f)<br>§ 63.116(b) | Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)                     | § 63.114(a)<br>§ 63.114(a)(1)(i)<br>[G]§ 63.114(a)(4)<br>§ 63.114(e)<br>[G]§ 63.115(f)<br>[G]§ 63.116(d) | § 63.114(a)(1)<br>[G]§ 63.114(a)(4)<br>[G]§ 63.117(a)(6)<br>§ 63.118(a)(1)<br>§ 63.118(a)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f) | § 63.114(e)<br>[G]§ 63.117(a)(6)<br>§ 63.117(f)<br>§ 63.118(f)(1)<br>§ 63.118(f)(2)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(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<br>(30 TAC § 122.144)                  | Reporting Requirements<br>(30 TAC § 122.145)                                                                                                                                                                                                                    |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                 |                                       |                                                                   |                                                                                                                                                                                     |                                                 |                                                                   | § 63.151(e)(3)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6) |
| 006D/E                    | EP                      | R5121-1       | VOC             | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                   | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C)      | None                                                                                                                                                                                                                                                            |
| 006D/E                    | EU                      | 60DC-1        | PM              | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)                                                       | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None                                            | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i) | [G]§ 60.48c(a)                                                                                                                                                                                                                                                  |
| 006D/E                    | EU                      | 60DC-1        | PM (Opacity)    | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)                                                       | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None                                            | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i) | [G]§ 60.48c(a)                                                                                                                                                                                                                                                  |
| 006D/E                    | EU                      | 60DC-1        | SO <sub>2</sub> | 40 CFR Part 60, Subpart Dc            | § 60.40c(a)                                                       | This subpart applies to each steam generating unit constructed, reconstructed,                                                                                                      | None                                            | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)                | [G]§ 60.48c(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)                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                                | or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).                                                                                                                                                                  |                                                                                                          | § 60.48c(i)                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 006D/E                    | EP                      | 63G-7         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | [G]§ 63.113(a)(2)<br>§ 63.113(c)(1)<br>§ 63.113(c)(1)(ii)<br>§ 63.113(h)<br>[G]§ 63.115(f)<br>§ 63.116(b)                                                                                      | Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)                                                                                                       | § 63.114(a)<br>§ 63.114(a)(1)(i)<br>[G]§ 63.114(a)(4)<br>§ 63.114(e)<br>[G]§ 63.115(f)<br>[G]§ 63.116(d) | § 63.114(a)(1)<br>[G]§ 63.114(a)(4)<br>[G]§ 63.117(a)(6)<br>§ 63.118(a)(1)<br>§ 63.118(a)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f) | § 63.114(e)<br>[G]§ 63.117(a)(6)<br>§ 63.117(f)<br>§ 63.118(f)(1)<br>§ 63.118(f)(2)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6) |
| 007-1                     | EU                      | 60VV-1        | VOC         | 40 CFR Part 60, Subpart VV            | § 60.482-4(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-4(b)(1)<br>§ 60.482-4(c)<br>§ 60.482-4(d)(1)<br>§ 60.482-4(d)(2)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(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 § 60.485(c). | § 60.482-4(b)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>[G]§ 60.485(d)<br>§ 60.485(f)     | § 60.482-1(g)<br>[G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(e)(3)<br>[G]§ 60.486(e)(4)<br>§ 60.486(j)           | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)                                                                                                                                                                                                                                                                                                                                                                 |
| 007-1                     | EU                      | 60VV-1        | VOC         | 40 CFR Part 60,                       | § 60.482-5(a)                                                                                                                                                                                  | Each sampling connection                                                                                                                                                                                                                                              | § 60.485(a)                                                                                              | § 60.482-1(g)                                                                                                                    | § 60.487(a)                                                                                                                                                                                                                                                                                                                                                                                                                    |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                        | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                                          | Monitoring And Testing Requirements                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                          | Reporting Requirements (30 TAC § 122.145)                      |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                           |                         |               |           | Subpart VV                            | § 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>[G]§ 60.482-5(b)<br>§ 60.482-5(c)<br>§ 60.486(k)                                                                                                      | system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §60.482-1(c) and paragraph (c) of this section.                                                                                                                            | [G]§ 60.485(b)<br>[G]§ 60.485(d)<br>§ 60.485(f)                                                    | [G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                                                         | [G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)                |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-6(a)(1)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-6(a)(2)<br>§ 60.482-6(b)<br>§ 60.482-6(c)<br>§ 60.482-6(d)<br>§ 60.482-6(e)<br>§ 60.486(k)                               | Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1(c) and paragraphs (d) and (e) of this section.                                                                                                  | § 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(d)<br>§ 60.485(f)                                     | § 60.482-1(g)<br>[G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                                        | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | [G]§ 60.482-10(g)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>[G]§ 60.482-10(f)<br>§ 60.482-10(h)<br>§ 60.482-10(i)<br>[G]§ 60.482-10(j)<br>[G]§ 60.482-10(k)<br>§ 60.482-10(m)<br>§ 60.486(k) | Leaks, as indicated by the specified instrument or by visual inspections, shall be repaired as soon as practicable except as provided in § 60.482-10(h).<br>§ 60.482-10(g)(1)-(2)                                                                                                  | § 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(d)<br>§ 60.485(f)                                     | § 60.482-1(g)<br>[G]§ 60.482-10(l)<br>[G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-10(b)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-10(m)<br>§ 60.486(k)                                                                                                       | Vapor recovery systems (for example, condensers and absorbers) shall be designed and operated to recover the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume, whichever is less stringent. | § 60.482-10(e)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>[G]§ 60.485(d)<br>§ 60.485(f) | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                      | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                               | Textual Description (See Special Term and Condition 1.B.)                                                                                                  | Monitoring And Testing Requirements                                                                                                                            | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                  | Reporting Requirements (30 TAC § 122.145)                      |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-8(b)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) | For flanges and other connectors, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.                                       | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(d)<br>§ 60.485(f)                                                                             | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                            | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-8(b)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) | For pressure relief devices in light liquid or in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(d)<br>[G]§ 60.485(e)<br>§ 60.485(f)                                                           | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                            | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-1(d)<br>§ 60.486(k)                                                                                                                                                                                    | Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).        | None                                                                                                                                                           | [G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(e)(5)<br>§ 60.486(j)                                                               | None                                                           |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-2(b)(1)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>[G]§ 60.482-2(b)(2)<br>§ 60.482-2(c)(1)<br>[G]§ 60.482-2(c)(2)<br>§ 60.482-2(d)                                                          | If an instrument reading of 10,000 ppm or greater is measured for pumps in light liquid service, a leak is detected.                                       | § 60.482-1(f)(1)<br>§ 60.482-1(f)(2)<br>[G]§ 60.482-1(f)(3)<br>[G]§ 60.482-2(a)<br>[G]§ 60.482-2(b)(2)<br>[G]§ 60.482-2(d)(4)<br>§ 60.485(a)<br>[G]§ 60.485(b) | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                              | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                          | Monitoring And Testing Requirements                                                                  | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                   | Reporting Requirements (30 TAC § 122.145)                      |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                           |                         |               |           |                                       | [G]§ 60.482-2(d)(1)<br>§ 60.482-2(d)(2)<br>§ 60.482-2(d)(3)<br>[G]§ 60.482-2(d)(4)<br>[G]§ 60.482-2(d)(5)<br>[G]§ 60.482-2(d)(6)<br>[G]§ 60.482-2(e)<br>§ 60.482-2(f)<br>[G]§ 60.482-2(g)<br>§ 60.482-2(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(d)<br>§ 60.482-9(f)<br>§ 60.486(k)                               |                                                                                                                                                                                                                                    | [G]§ 60.485(c)<br>[G]§ 60.485(d)<br>[G]§ 60.485(e)<br>§ 60.485(f)                                    | [G]§ 60.486(f)<br>[G]§ 60.486(h)<br>§ 60.486(j)                                                                                                                                 |                                                                |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-3(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>[G]§ 60.482-3(b)<br>§ 60.482-3(c)<br>§ 60.482-3(d)<br>§ 60.482-3(e)(1)<br>§ 60.482-3(e)(2)<br>§ 60.482-3(f)<br>§ 60.482-3(g)(1)<br>§ 60.482-3(g)(2)<br>§ 60.482-3(h)<br>[G]§ 60.482-3(i)<br>§ 60.482-3(j)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(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 §60.482-1(c) and paragraphs (h), (i), and (j) of this section. | § 60.482-3(e)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>[G]§ 60.485(d)<br>§ 60.485(f) | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(h)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 007-1                     | EU                      | 60VV-1        | VOC       | 40 CFR Part 60, Subpart VV            | § 60.482-8(b)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-8(a)                                                                                                                                                                                                                                              | For valves in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.                                                                                                             | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(d)<br>§ 60.485(f)                   | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)                                                                                              | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                        | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                | Monitoring And Testing Requirements                                                                                                                                                                                                      | Recordkeeping Requirements<br>(30 TAC § 122.144)                                                                                                                                                                                           | Reporting Requirements<br>(30 TAC § 122.145)                                                                                                                                                                                                                     |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       | § 60.482-8(a)(2)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k)                                                                                         |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                          | § 60.486(e)(1)<br>§ 60.486(j)                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                  |
| 007-1                     | EU                      | 60VV-1        | VOC            | 40 CFR Part 60, Subpart VV            | § 60.482-8(b)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-1(g)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(d)<br>§ 60.482-9(f)<br>§ 60.486(k)                     | For pumps in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.                                                                                                    | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(d)<br>§ 60.485(f)                                                                                                                                                       | § 60.482-1(g)<br>[G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                                                                                                                        | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)                                                                                                                                                                                                   |
| 007-1                     | EU                      | 61F-1         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(b)(3)(iii)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>§ 61.242-11(c)<br>§ 61.242-11(e)<br>[G]§ 61.242-11(f)<br>[G]§ 61.242-11(g)<br>§ 61.242-11(h)<br>§ 61.242-11(i)<br>[G]§ 61.242-11(j)<br>[G]§ 61.242-11(k)<br>[G]§ 61.242-11(l) | Install compressors with double mechanical seals, or equivalent as in §61.66. If double mechanical seals are used, comply as specified so emissions are less than or equal to 10 ppm or comply with 40 CFR 61 Subpart V. | § 61.242-11(f)(1)<br>§ 61.242-11(f)(2)<br>[G]§ 61.242-3<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)<br>§ 61.65(b)(8)(i)(D)(1)<br>§ 61.246(j)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(a)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e) | [G]§ 61.242-11(l)<br>[G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(d)<br>[G]§ 61.246(e)<br>[G]§ 61.246(h)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>§ 61.65(c)<br>§ 61.67(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.67(e)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                                                                                   | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                       | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                             | Recordkeeping Requirements<br>(30 TAC § 122.144)                                                                                                                                                                                           | Reporting Requirements<br>(30 TAC § 122.145)                                                                                                                                                                                                                     |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       | § 61.242-11(m)<br>[G]§ 61.242-3<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3)                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                 | § 61.67(f)<br>§ 61.67(g)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii)                                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                  |
| 007-1                     | EU                      | 61F-1         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(b)(3)(i)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>§ 61.242-11(c)<br>§ 61.242-11(e)<br>[G]§ 61.242-11(f)<br>[G]§ 61.242-11(g)<br>§ 61.242-11(h)<br>§ 61.242-11(i)<br>[G]§ 61.242-11(j)<br>[G]§ 61.242-11(k)<br>[G]§ 61.242-11(l)<br>§ 61.242-11(m)<br>[G]§ 61.242-2<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3) | Install sealless pumps, pumps with double mechanical seals or equivalent per §61.66. If double mechanical seals are used, comply as specified so emissions are less than or equal to 10 ppm or comply with 40 CFR 61 Subpart V. | § 61.242-11(f)(1)<br>§ 61.242-11(f)(2)<br>[G]§ 61.242-2<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)<br>§ 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(a)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii) | [G]§ 61.242-11(l)<br>[G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(d)<br>[G]§ 61.246(e)<br>[G]§ 61.246(h)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>§ 61.65(c)<br>§ 61.67(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.67(e)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1) |
| 007-1                     | EU                      | 61F-1         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(b)(3)(v)<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)                                                                                                                                                                                                                                                                                                                            | Install agitators with double mechanical seals, or equivalent as provided in § 61.66. If double mechanical seals are used, comply as specified so emissions are                                                                 | § 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(a)<br>§ 61.67(b)                                                                                                                                                                                                                                    | § 61.65(c)<br>§ 61.67(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2)                                                                                                                                                                   | § 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.67(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)                                                                                                                                                                                                                                       |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       | § 61.67(h)(1)<br>§ 61.67(h)(3)                                                                                                                                                                                                                                      | less than or equal to 10 ppm.                                                                                                                                                                   | § 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii)                                                                                                                                                                         |                                                                                                                                                                                                                       | § 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1)                                                                                                                                                                                                                   |
| 007-1                     | EU                      | 61F-1         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(b)(8)(ii)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-7<br>[G]§ 61.243-1<br>[G]§ 61.243-2<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3) | For each process unit subject to this subpart, a formal leak detection and repair program for valves shall be implemented consistent with subpart V of this part as specified.                  | [G]§ 61.242-7<br>[G]§ 61.243-1<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)<br>§ 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(a)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii) | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(f)<br>[G]§ 61.246(g)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>§ 61.65(c)<br>§ 61.67(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>§ 61.247(d)<br>[G]§ 61.247(e)<br>§ 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.67(e)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1) |
| 007-1                     | EU                      | 61F-1         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(b)(8)(ii)<br>[G]§ 61.242-7(d)<br>[G]§ 61.242-7(e)<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(b)(8)(ii)(C)<br>§ 61.65(b)(8)(ii)(E)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3)                                 | For each process unit subject to this subpart, a formal leak detection and repair program for valves may be implemented consistent with the requirements of a plan approved under this subpart. | § 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.65(b)(8)(ii)(A)<br>§ 61.65(b)(8)(ii)(B)<br>§ 61.67(a)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>§ 61.67(h)(1)                                                                                  | § 61.65(c)<br>§ 61.67(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2)                                                                                                                                              | § 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.65(b)(8)(ii)(D)<br>§ 61.67(e)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1)                                                             |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                  | Textual Description (See Special Term and Condition 1.B.)                                              | Monitoring And Testing Requirements                                                                                          | Recordkeeping Requirements (30 TAC § 122.144)                                                                                             | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                         |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       |                                                                                                                                                                                                                                    |                                                                                                        | § 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii)                                                                                        |                                                                                                                                           |                                                                                                                                                                                                                                   |
| 007-1                     | EU                      | 61F-1         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(b)(8)(iii)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-6<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3) | Open-ended valves and lines not exempted shall comply with the requirements of §61.242-6 of subpart V. | [G]§ 61.245(d)<br>§ 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii) | [G]§ 61.246(a)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>§ 61.65(c)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2)           | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1) |
| 007-1                     | EU                      | 61V-1         | VHAP           | 40 CFR Part 61, Subpart V             | [G]§ 61.242-8<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10                                                                                                                                                 | Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)                              | [G]§ 61.242-8<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)                                                          | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)                                     | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)                                                                                                                                                                 |
| 007-1                     | EU                      | 61V-1         | VHAP           | 40 CFR Part 61, Subpart V             | [G]§ 61.242-7<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.243-1<br>[G]§ 61.243-2                                                                                                               | Comply with standards for valves. §61.242-7(a)-(h)                                                     | [G]§ 61.242-7<br>[G]§ 61.243-1<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)                                         | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(f)<br>[G]§ 61.246(g)<br>[G]§ 61.246(i)<br>§ 61.246(j) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>§ 61.247(d)<br>[G]§ 61.247(e)                                                                                                                                                  |
| 007-1                     | EU                      | 61V-1         | VHAP           | 40 CFR Part 61, Subpart V             | [G]§ 61.242-6<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10                                                                                                                                                 | Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)                                 | [G]§ 61.245(d)                                                                                                               | [G]§ 61.246(a)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)                                                                         | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)                                                                                                                                                                 |
| 007-1                     | EU                      | 61V-1         | VHAP           | 40 CFR Part 61, Subpart V             | [G]§ 61.242-5<br>§ 61.242-1(a)                                                                                                                                                                                                     | Comply with standards for sampling connection                                                          | [G]§ 61.245(d)                                                                                                               | [G]§ 61.246(a)<br>[G]§ 61.246(e)                                                                                                          | [G]§ 61.247(a)<br>[G]§ 61.247(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)                                                                |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | § 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10                                                                           | systems. §61.242-5(a)-(c)                                                                |                                                                     | [G]§ 61.246(i)<br>§ 61.246(j)                                                                                                                                                                   | § 61.247(c)<br>[G]§ 61.247(e)                                                                            |
| 007-1                     | EU                      | 61V-1         | VHAP        | 40 CFR Part 61, Subpart V             | [G]§ 61.242-4<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10                                         | Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c) | [G]§ 61.242-4<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d) | [G]§ 61.246(a)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)                                                                                                                               | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)                                        |
| 007-1                     | EU                      | 61V-1         | VHAP        | 40 CFR Part 61, Subpart V             | [G]§ 61.242-2<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10                                         | Comply with standards for pumps. §61.242-2(a)-(g)                                        | [G]§ 61.242-2<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d) | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(h)<br>[G]§ 61.246(i)<br>§ 61.246(j)                                                                         | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)                                        |
| 007-1                     | EU                      | 61V-1         | VHAP        | 40 CFR Part 61, Subpart V             | [G]§ 61.242-3<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10                                         | Comply with standards for compressors. §61.242-3(a)-(i)                                  | [G]§ 61.242-3<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d) | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(h)<br>[G]§ 61.246(i)<br>§ 61.246(j)                                                                         | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)                                        |
| 007-1                     | EU                      | 63H-1         | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.163<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.176 | Standards: Pumps in light liquid service. §63.163(a)-(j)                                 | [G]§ 63.163<br>[G]§ 63.176<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)      | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(h)<br>[G]§ 63.181(h)(3)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7)<br>§ 63.181(h)(8) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.167<br>§ 63.162(a)<br>§ 63.162(c)                                                                                  | Standards: Open-ended valves or lines. §63.167(a)-(e).                                   | [G]§ 63.175<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                     | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)                                                                                                                                                    | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)                                                          |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                           | Textual Description (See Special Term and Condition 1.B.)                                                                                                               | Monitoring And Testing Requirements                                                                         | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                       | Reporting Requirements (30 TAC § 122.145)                                                                |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       | [G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.175                                                 |                                                                                                                                                                         |                                                                                                             | § 63.181(h)<br>[G]§ 63.181(h)(1)<br>[G]§ 63.181(h)(2)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7)<br>[G]§ 63.181(i)                  | [G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                    |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.174<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Connectors in gas/vapor service and in light liquid service.<br>§63.174(a)-(j)                                                                               | [G]§ 63.174<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                                                             | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                                                                                                      | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.173<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Agitators gas/vapor service and in light liquid service.<br>§63.173(a)-(j).                                                                                  | [G]§ 63.173<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                                                             | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                                                                                                      | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | § 63.172(b)<br>§ 63.172(e)<br>[G]§ 63.172(h)<br>§ 63.172(m)                                                 | Vapor recovery systems shall be designed and operated to recover the organic HAP emissions or VOC emissions vented to them with an efficiency of 95 percent or greater. | § 63.172(e)<br>[G]§ 63.172(h)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                                           | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>§ 63.181(g)(1)(iv)<br>[G]§ 63.181(g)(2) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | § 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m)                                                 | Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section,            | [G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(i)<br>[G]§ 63.180(b) | [G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)                                                                     | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                           | Textual Description (See Special Term and Condition 1.B.)            | Monitoring And Testing Requirements             | Recordkeeping Requirements (30 TAC § 122.144)                                     | Reporting Requirements (30 TAC § 122.145)                                                                |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       |                                                                                                             | except as provided in §63.162(b).                                    | [G]§ 63.180(d)                                  | § 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) |                                                                                                          |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | § 63.170<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                      | Standards: Surge control vessels and bottom receivers.               | [G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)                                      | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Instrumentation systems. §63.169(a)-(d)                   | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i)  | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Pressure relief devices in liquid service. §63.169(a)-(d) | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i)  | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Connectors in heavy liquid service. §63.169(a)-(d)        | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i)  | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Valves in heavy liquid service. §63.169(a)-(d)            | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i)  | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)                   |

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| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                          | Textual Description (See Special Term and Condition 1.B.)                          | Monitoring And Testing Requirements                               | Recordkeeping Requirements (30 TAC § 122.144)                                                                                             | Reporting Requirements (30 TAC § 122.145)                                                                |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       | § 63.162(h)<br>[G]§ 63.171                                                                                                 |                                                                                    |                                                                   |                                                                                                                                           | [G]§ 63.182(d)                                                                                           |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                | Standards: Pumps in heavy liquid service. §63.169(a)-(d)                           | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                   | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i)                                                          | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.166<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                                  | Standards: Sampling connection systems. §63.166(a)-(c)                             | [G]§ 63.180(b)<br>[G]§ 63.180(d)                                  | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(i)                                                                            | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.165<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                                  | Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)             | [G]§ 63.165<br>[G]§ 63.180(b)<br>[G]§ 63.180(c)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(f)                                                                            | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.164<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                | Standards: Compressors. §63.164(a)-(i)                                             | [G]§ 63.164<br>[G]§ 63.180(b)<br>[G]§ 63.180(c)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(f)                                                          | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| 007-1                     | EU                      | 63H-1         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart H          | [G]§ 63.168<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.175 | Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j) | [G]§ 63.168<br>[G]§ 63.175<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)    | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(h)<br>[G]§ 63.181(h)(1)<br>[G]§ 63.181(h)(2)<br>§ 63.181(h)(4) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No.   | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                           | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                            | Monitoring And Testing Requirements                                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                          | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                      |
|---------------------------|-------------------------|-----------------|----------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |                 |                |                                       |                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                    | [G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7)                                                                                                                                                                                  |                                                                                                                                                                                                                |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | 63.11915<br>63.11890(b)<br>63.11915(a)<br>[G]63.11915(b)<br>[G]63.11915(c)                                                                                                                                                                                                                                                                  | For each equipment leak component in HAP service, comply with the specified requirements of 40 CFR Part 63, Subpart UU and/or 63.11915, as applicable.                                                                                                               | 63.11915(a)<br>[G]63.11915(b)<br>63.11915(c)                                                                                                                                                                                                       | None                                                                                                                                                                                                                                   | None                                                                                                                                                                                                           |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | 63.11915(a)<br>63.1022(a)<br>63.1022(c)(1)<br>63.1022(c)(2)<br>63.1022(c)(2)(i)(A)<br>§63.1022(c)(2)(i)(B)<br>§63.1022(c)(4)(i)<br>§63.1022(c)(4)(ii)<br>§63.1023(a)<br>§63.1023(e)(1)<br>§63.1024(a)<br>§63.1024(c)(1)<br>§63.1024(c)(2)<br>§63.1024(d)(1)<br>63.1024(d)(2)<br>63.1024(d)(3)<br>63.1024(d)(5)<br>[G]63.1025<br>63.11890(b) | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart UU— National Emission Standards for Equipment Leaks—Control Level 2: §63.1025, Valves in gas and vapor service and in light liquid service standards. §63.1025(a)–(e) | 63.1023(a)<br>63.1023(a)(1)(i)<br>63.1023(b)<br>63.1023(b)(1)<br>63.1023(b)(2)(i)<br>63.1023(b)(2)(ii)<br>63.1023(b)(3)<br>63.1023(b)(4)<br>63.1023(b)(4)(i)<br>63.1023(b)(4)(ii)<br>63.1023(b)(5)<br>63.1023(b)(6)<br>[G]63.1023(c)<br>63.1023(d) | 63.1022(c)(3)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1024(d)<br>[G]63.1024(f)<br>63.1038(a)<br>63.1038(b)(1)<br>63.1038(b)(2)<br>63.1038(b)(7)<br>[G]63.1038(c)(1)<br>63.11990(a)<br>63.11990(c)<br>63.11995(a)<br>63.11995(b) | 63.1039(a)<br>[G]63.1039(a)(1)<br>63.1039(b)<br>63.1039(b)(1)<br>63.1039(b)(1)(i)<br>63.1039(b)(2)<br>63.1039(b)(3)<br>63.1039(b)(5)<br>63.1039(b)(8)<br>63.11985(a)(2)<br>[G]63.11985(a)(9)<br>[G]63.11985(b) |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | 63.11915(a)<br>63.1022(a)<br>63.1022(b)<br>63.1022(b)(2)<br>63.1022(c)(1)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1023(a)<br>63.1023(e)(1)<br>63.1024(a)                                                                                                                                                                             | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart UU— National Emission Standards for Equipment Leaks—Control Level 2: §63.1026, Pumps in light liquid service standards. §63.1026(a)–(e)                               | 63.1023(a)<br>63.1023(a)(1)(ii)<br>63.1023(a)(2)(i)<br>63.1023(b)<br>63.1023(b)(1)<br>63.1023(b)(2)(i)<br>63.1023(b)(2)(ii)<br>63.1023(b)(3)<br>63.1023(b)(4)<br>63.1023(b)(4)(i)                                                                  | 63.1022(c)(3)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1023(e)(2)<br>63.1024(d)<br>[G]63.1024(f)<br>[G]63.1035(d)(2)<br>63.1035(d)(3)<br>[G]63.1035(e)<br>63.1038(a)                                                             | 63.1039(a)<br>[G]63.1039(a)(1)<br>63.1039(b)<br>63.1039(b)(1)<br>63.1039(b)(1)(ii)<br>63.1039(b)(2)<br>63.1039(b)(6)<br>63.1039(b)(8)<br>63.11985(a)(2)<br>[G]63.11985(a)(9)                                   |

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| Unit Group Process ID No. | Unit Group Process Type | SOP Index No.   | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                               | Monitoring And Testing Requirements                                                                                                                                                                                                                                         | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                            | Reporting Requirements (30 TAC § 122.145)                                                                                                                                      |
|---------------------------|-------------------------|-----------------|----------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |                 |                |                                       | 63.1024(c)(2)<br>63.1024(d)(1)<br>63.1024(d)(2)<br>63.1024(d)(4)<br>63.1024(d)(4)(i)<br>63.1024(d)(4)(i)(A)<br>63.1024(d)(4)(i)(B)<br>63.1024(d)(4)(i)(C)<br>63.1024(d)(4)(ii)<br>[G]63.1026<br>63.1035(a)<br>63.1035(a)(1)<br>63.1035(a)(2)<br>63.1035(b)<br>63.1035(c)<br>63.1035(d)<br>63.1035(d)(1)<br>[G]63.1035(d)(5)<br>[G]63.1035(d)(7)<br>[G]63.1035(d)(8)<br>63.11890(b)<br>63.11915(b)(1) |                                                                                                                                                                                                                                                                         | 63.1023(b)(4)(ii)<br>63.1023(b)(5)<br>63.1023(b)(6)<br>[G]63.1023(c)<br>63.1023(d)<br>[G]63.1026(b)<br>[G]63.1026(c)<br>63.1026(d)<br>63.1026(e)(4)<br>63.1026(e)(5)<br>63.1026(e)(6)<br>63.1035(d)(4)<br>[G]63.1035(d)(6)<br>63.1038(b)(6)                                 | 63.1038(b)(1)<br>63.1038(b)(2)<br>63.1038(b)(6)<br>63.1038(b)(7)<br>[G]63.1038(c)(2)<br>[G]63.1038(c)(7)<br>63.11990(a)<br>63.11990(c)<br>63.11995(a)<br>63.11995(b)                                                                                                                     | [G]63.11985(b)                                                                                                                                                                 |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | 63.11915(a)<br>63.1022(a)<br>63.1022(b)<br>63.1022(b)(1)<br>63.1022(c)(1)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1022(d)(1)<br>63.1023(a)<br>63.1023(e)(1)<br>63.1024(a)<br>63.1024(c)(1)<br>63.1024(c)(2)<br>63.1024(d)(1)<br>63.1024(d)(2)<br>[G]63.1024(d)(3)<br>63.1024(e)                                                                                                               | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart UU—National Emission Standards for Equipment Leaks—Control Level 2: §63.1027, Connectors in gas and vapor service and in light liquid service standards. §63.1027(a)–(e) | 63.1023(a)<br>63.1023(a)(1)(iii)<br>63.1023(b)<br>63.1023(b)(1)<br>63.1023(b)(2)(i)<br>63.1023(b)(2)(ii)<br>63.1023(b)(3)<br>63.1023(b)(4)<br>[G]63.1023(b)(4)(i)<br>[G]63.1023(b)(4)(ii)<br>63.1023(b)(5)<br>63.1023(b)(6)<br>[G]63.1023(c)<br>63.1023(d)<br>63.1038(b)(6) | 63.1022(c)(3)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1022(d)(2)<br>63.1023(e)(2)<br>63.1024(d)<br>[G]63.1024(f)<br>63.1038(a)<br>63.1038(b)(1)<br>63.1038(b)(2)<br>63.1038(b)(3)<br>63.1038(b)(6)<br>63.1038(b)(7)<br>63.1038(c)(3)<br>63.11990(a)<br>63.11990(c)<br>63.11995(a) | 63.1039(a)<br>[G]63.1039(a)(1)<br>63.1039(b)<br>63.1039(b)(1)<br>63.1039(b)(1)(iii)<br>63.1039(b)(2)<br>63.1039(b)(8)<br>63.11985(a)(2)<br>[G]63.11985(a)(9)<br>[G]63.11985(b) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No.   | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                           | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                              | Monitoring And Testing Requirements                                                                                                                                                                                                                                                        | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                            | Reporting Requirements (30 TAC § 122.145)                                                                                                                                     |
|---------------------------|-------------------------|-----------------|----------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |                 |                |                                       | [G]63.1027<br>63.11890(b)                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                            | 63.11995(b)                                                                                                                                                                                                                                                              |                                                                                                                                                                               |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | 63.11915(a)<br>63.1022(a)<br>63.1022(b)<br>63.1022(b)(2)<br>63.1022(c)(1)<br>63.1022(c)(2)<br>63.1022(c)(2)(ii)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1023(a)<br>63.1023(e)(1)<br>63.1024(a)<br>63.1024(c)(2)<br>63.1024(d)(1)<br>63.1024(d)(2)<br>[G]63.1024(d)(3)<br>[G]63.1028<br>63.11890(b)<br>63.11915(b)(2) | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart UU—National Emission Standards for Equipment Leaks—Control Level 2: §63.1028, Agitators in gas and vapor service and in light liquid service standards. §63.1028(a)-(e) | 63.1023(a)<br>63.1023(a)(1)(iv)<br>63.1023(a)(2)(iii)<br>63.1023(b)<br>63.1023(b)(1)<br>63.1023(b)(2)(i)<br>63.1023(b)(2)(ii)<br>63.1023(b)(3)<br>63.1023(b)(4)<br>63.1023(b)(4)(i)<br>63.1023(b)(4)(ii)<br>63.1023(b)(5)<br>63.1023(b)(6)<br>[G]63.1023(c)<br>63.1023(d)<br>63.1038(b)(6) | 63.1022(c)(3)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1023(e)(2)<br>63.1024(d)<br>[G]63.1024(f)<br>63.1038(a)<br>63.1038(b)(1)<br>63.1038(b)(2)<br>63.1038(b)(6)<br>63.1038(b)(7)<br>[G]63.1038(c)(4)<br>63.11990(a)<br>63.11990(c)<br>63.11995(a)<br>63.11995(b) | 63.1039(a)<br>[G]63.1039(a)(1)<br>63.1039(b)<br>63.1039(b)(1)<br>63.1039(b)(1)(iv)<br>63.1039(b)(2)<br>63.1039(b)(8)<br>63.11985(a)(2)<br>[G]63.11985(a)(9)<br>[G]63.11985(b) |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | 63.11915(a)<br>63.1022(a)<br>63.1022(b)<br>63.1022(b)(2)<br>63.1022(b)(3)<br>63.1023(a)<br>63.1023(e)(1)<br>63.1024(a)<br>63.1024(c)(2)<br>63.1024(d)(1)<br>63.1024(d)(2)<br>[G]63.1030(a)<br>63.11890(b)<br>[G]63.11915(c)                                                                                                 | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart UU—National Emission Standards for Equipment Leaks—Control Level 2: §63.1030, Pressure relief devices in gas and vapor service standards. §63.1030(a)-(e)               | 63.1023(a)<br>63.1023(a)(1)(v)<br>63.1023(b)<br>63.1023(b)(1)<br>63.1023(b)(2)(i)<br>63.1023(b)(2)(ii)<br>63.1023(b)(3)<br>63.1023(b)(4)<br>63.1023(b)(4)(i)<br>63.1023(b)(4)(ii)<br>63.1023(b)(5)<br>63.1023(b)(6)<br>[G]63.1023(c)<br>63.1023(d)<br>63.1038(b)(6)                        | 63.1023(e)(2)<br>63.1024(d)<br>[G]63.1024(f)<br>63.1038(a)<br>63.1038(b)(1)<br>63.1038(b)(6)<br>63.1038(b)(7)<br>63.1038(c)(5)<br>63.11990(a)<br>63.11990(c)<br>63.11995(a)<br>63.11995(b)                                                                               | 63.1039(a)<br>[G]63.1039(a)(1)<br>63.1039(b)<br>63.1039(b)(2)<br>63.1039(b)(4)<br>63.1039(b)(8)<br>63.11985(a)(2)<br>[G]63.11985(a)(9)<br>[G]63.11985(b)<br>[G]63.11985(c)(7) |
| 007-1                     | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart            | 63.11915(a)<br>63.1022(a)                                                                                                                                                                                                                                                                                                   | Control equipment leaks according to all applicable                                                                                                                                                                                                                    | 63.1023(a)<br>63.1023(a)(1)(vi)                                                                                                                                                                                                                                                            | 63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)                                                                                                                                                                                                                                    | 63.1039(a)<br>[G]63.1039(a)(1)                                                                                                                                                |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                                                             | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                          | Reporting Requirements (30 TAC § 122.145)                                                                                                                   |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           | HHHHHHH                               | 63.1022(b)<br>63.1022(b)(2)<br>63.1022(c)(4)(i)<br>63.1022(c)(4)(ii)<br>63.1022(e)<br>63.1023(a)<br>63.1023(e)(1)<br>63.1024(a)<br>63.1024(c)(2)<br>63.1024(d)(1)<br>63.1024(d)(2)<br>63.1031(a)<br>[G]63.1031(b)<br>63.1031(c)<br>[G]63.1031(d)<br>63.1031(e)<br>[G]63.1031(f)<br>63.11890(b)<br>63.11915(b)(2) | requirements under 40 CFR part 63, subpart UU—National Emission Standards for Equipment Leaks—Control Level 2: §63.1031, Compressors standards. §63.1031(a)-(f)                                                                                              | 63.1023(b)<br>63.1023(b)(1)<br>63.1023(b)(2)(i)<br>63.1023(b)(2)(ii)<br>63.1023(b)(3)<br>63.1023(b)(4)<br>63.1023(b)(4)(i)<br>63.1023(b)(4)(ii)<br>63.1023(b)(5)<br>63.1023(b)(6)<br>[G]63.1023(c)<br>63.1023(d)<br>63.1031(c)<br>63.1038(b)(6) | [G]63.1022(f)<br>63.1023(e)(2)<br>63.1024(d)<br>[G]63.1024(f)<br>[G]63.1031(d)<br>63.1038(a)<br>63.1038(b)(1)<br>63.1038(b)(4)<br>63.1038(b)(5)<br>63.1038(b)(6)<br>63.1038(b)(7)<br>63.1038(c)(6)(i)<br>63.1038(c)(6)(ii)<br>63.11990(a)<br>63.11990(c)<br>63.11995(a)<br>63.11995(b) | 63.1039(b)<br>63.1039(b)(1)<br>63.1039(b)(1)(v)<br>63.1039(b)(2)<br>63.1039(b)(4)<br>63.1039(b)(8)<br>63.11985(a)(2)<br>[G]63.11985(a)(9)<br>[G]63.11985(b) |
| 313A                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                                                                                                                                                                                                                                                                            | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B)                                                                                                                                                                                                 | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B)                                                                                                                                                                                                                           | None                                                                                                                                                        |
| 313A                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                                                                                                                                                                                                                                                                            | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C)                                                                                                                                                                                                 | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C)                                                                                                                                                                                                                           | None                                                                                                                                                        |
| 313B                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas          | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                                                                                                                                                                                                                                                                            | A vent gas stream having a concentration of the VOC                                                                                                                                                                                                          | [G]§ 115.125<br>§ 115.126(2)                                                                                                                                                                                                                    | § 115.126<br>§ 115.126(2)                                                                                                                                                                                                                                                              | None                                                                                                                                                        |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                    | Monitoring And Testing Requirements             | Recordkeeping Requirements (30 TAC § 122.144)                | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           | Controls                              |                                                                   | specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                                                                                | § 115.126(3)(C)                                 | § 115.126(3)<br>§ 115.126(3)(C)                              |                                           |
| 313B                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B) | None                                      |
| 313C                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C) | None                                      |
| 313C                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B) | None                                      |
| 313D                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this                                                                                                                                     | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B) | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                    | Monitoring And Testing Requirements             | Recordkeeping Requirements (30 TAC § 122.144)                | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                       |                                                                   | title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.                                                                                                                          |                                                 |                                                              |                                           |
| 313D                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C) | None                                      |
| 313E                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B) | None                                      |
| 313E                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C) | None                                      |
| 313F                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from                                                   | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B) | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                    | Monitoring And Testing Requirements             | Recordkeeping Requirements (30 TAC § 122.144)                | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                       |                                                                   | the requirements of §115.121(c)(1) of this title.                                                                                                                                                                                                            |                                                 |                                                              |                                           |
| 313F                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C) | None                                      |
| 313G                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B) | None                                      |
| 313G                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C) | None                                      |
| 313H                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                             | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C) | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C) | None                                      |
| 313H                      | EP                      | R5121-2       | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                             | A vent gas stream having a combined weight of the VOC or classes of                                                                                                                                                                                          | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B) | § 115.126<br>§ 115.126(2)<br>§ 115.126(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)                                                                                                                                |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                    | compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.                                                                     |                                                                        | § 115.126(3)(B)                                                                 |                                                                                                                                                                          |
| 313I                      | EP                      | R5121-2       | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                                                                                                                              | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B)                        | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B)                    | None                                                                                                                                                                     |
| 313I                      | EP                      | R5121-2       | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                                                                                                                              | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C) less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                            | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C)                        | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C)                    | None                                                                                                                                                                     |
| 415                       | EU                      | 63DDDDD       | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD         | § 63.7500(a)(1)-<br>Table 3.1<br>§ 63.7500(a)(1)<br>§ 63.7500(a)(3)<br>§ 63.7505(a)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)<br>§ 63.7540(a)(12)<br>§ 63.7540(a)(13) | A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.                                  | § 63.7515(d)<br>§ 63.7525(a)(7)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10) | § 63.7555(a)<br>§ 63.7555(a)(1)<br>§ 63.7560(a)<br>§ 63.7560(b)<br>§ 63.7560(c) | § 63.7530(e)<br>§ 63.7530(f)<br>§ 63.7545(a)<br>§ 63.7545(b)<br>§ 63.7545(c)<br>[G]§ 63.7545(e)<br>§ 63.7550(a)<br>[G]§ 63.7550(b)<br>[G]§ 63.7550(c)<br>[G]§ 63.7550(h) |
| 416                       | EU                      | 63DDDDD       | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD         | § 63.7500(a)(1)-<br>Table 3.1<br>§ 63.7500(a)(1)                                                                                                                   | A new or existing boiler or process heater with a continuous oxygen trim                                                                                                                                                                                     | § 63.7515(d)<br>§ 63.7525(a)(7)<br>§ 63.7540(a)                        | § 63.7555(a)<br>§ 63.7555(a)(1)<br>§ 63.7560(a)                                 | § 63.7530(e)<br>§ 63.7530(f)<br>§ 63.7545(a)                                                                                                                             |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                              | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                   | Monitoring And Testing Requirements                                    | Recordkeeping Requirements (30 TAC § 122.144)                                   | Reporting Requirements (30 TAC § 122.145)                                                                                                                                |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | § 63.7500(a)(3)<br>§ 63.7505(a)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)<br>§ 63.7540(a)(12)<br>§ 63.7540(a)(13)                                                 | system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.                                                                          | [G]§ 63.7540(a)(10)                                                    | § 63.7560(b)<br>§ 63.7560(c)                                                    | § 63.7545(b)<br>§ 63.7545(c)<br>[G]§ 63.7545(e)<br>§ 63.7550(a)<br>[G]§ 63.7550(b)<br>[G]§ 63.7550(c)<br>[G]§ 63.7550(h)                                                 |
| 417                       | EU                      | 63DDDDD       | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD         | § 63.7500(a)(1)-Table 3.1<br>§ 63.7500(a)(1)<br>§ 63.7500(a)(3)<br>§ 63.7505(a)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)<br>§ 63.7540(a)(12)<br>§ 63.7540(a)(13) | A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540. | § 63.7515(d)<br>§ 63.7525(a)(7)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10) | § 63.7555(a)<br>§ 63.7555(a)(1)<br>§ 63.7560(a)<br>§ 63.7560(b)<br>§ 63.7560(c) | § 63.7530(e)<br>§ 63.7530(f)<br>§ 63.7545(a)<br>§ 63.7545(b)<br>§ 63.7545(c)<br>[G]§ 63.7545(e)<br>§ 63.7550(a)<br>[G]§ 63.7550(b)<br>[G]§ 63.7550(c)<br>[G]§ 63.7550(h) |
| 418                       | EU                      | 63DDDDD       | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD         | § 63.7500(a)(1)-Table 3.1<br>§ 63.7500(a)(1)<br>§ 63.7500(a)(3)<br>§ 63.7505(a)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)<br>§ 63.7540(a)(12)<br>§ 63.7540(a)(13) | A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540. | § 63.7515(d)<br>§ 63.7525(a)(7)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10) | § 63.7555(a)<br>§ 63.7555(a)(1)<br>§ 63.7560(a)<br>§ 63.7560(b)<br>§ 63.7560(c) | § 63.7530(e)<br>§ 63.7530(f)<br>§ 63.7545(a)<br>§ 63.7545(b)<br>§ 63.7545(c)<br>[G]§ 63.7545(e)<br>§ 63.7550(a)<br>[G]§ 63.7550(b)<br>[G]§ 63.7550(c)<br>[G]§ 63.7550(h) |
| 419                       | EU                      | 63DDDDD       | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD         | § 63.7500(a)(1)-Table 3.1<br>§ 63.7500(a)(1)<br>§ 63.7500(a)(3)<br>§ 63.7505(a)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)<br>§ 63.7540(a)(12)<br>§ 63.7540(a)(13) | A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540. | § 63.7515(d)<br>§ 63.7525(a)(7)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10) | § 63.7555(a)<br>§ 63.7555(a)(1)<br>§ 63.7560(a)<br>§ 63.7560(b)<br>§ 63.7560(c) | § 63.7530(e)<br>§ 63.7530(f)<br>§ 63.7545(a)<br>§ 63.7545(b)<br>§ 63.7545(c)<br>[G]§ 63.7545(e)<br>§ 63.7550(a)<br>[G]§ 63.7550(b)<br>[G]§ 63.7550(c)<br>[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)                                                                                                                                |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 420                       | EU                      | 63DDDDD       | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD         | § 63.7500(a)(1)-Table 3.1<br>§ 63.7500(a)(1)<br>§ 63.7500(a)(3)<br>§ 63.7505(a)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)<br>§ 63.7540(a)(12)<br>§ 63.7540(a)(13) | A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.      | § 63.7515(d)<br>§ 63.7525(a)(7)<br>§ 63.7540(a)<br>[G]§ 63.7540(a)(10)                  | § 63.7555(a)<br>§ 63.7555(a)(1)<br>§ 63.7560(a)<br>§ 63.7560(b)<br>§ 63.7560(c)         | § 63.7530(e)<br>§ 63.7530(f)<br>§ 63.7545(a)<br>§ 63.7545(b)<br>§ 63.7545(c)<br>[G]§ 63.7545(e)<br>§ 63.7550(a)<br>[G]§ 63.7550(b)<br>[G]§ 63.7550(c)<br>[G]§ 63.7550(h) |
| 999                       | EP                      | R1111         | Opacity     | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C)<br>§ 111.111(a)(1)(E)                                                                                                                       | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.                       | [G]§ 111.111(a)(1)(F)<br>** See Periodic Monitoring Summary                             | None                                                                                    | None                                                                                                                                                                     |
| 999                       | EU                      | 63HHHHH HH-1  | 112(B) HAPS | 40 CFR Part 63, Subpart HHHHHHH       | § 63.11920(d)(2)<br>§ 63.11890(b)<br>[G]§ 63.11920(c)<br>[G]§ 63.11920(e)<br>[G]§ 63.11920(g)                                                                  | For a closed-loop recirculation heat exchange system, a leak is detected if the measurement value taken according to requirements in §63.11920(a) equals or exceeds the leak action level.                                       | [G]§ 63.11920(a)(1)<br>[G]§ 63.11920(a)(3)<br>[G]§ 63.11920(a)(4)<br>§ 63.11920(f)      | [G]§ 63.11920(h)<br>§ 63.11990(a)<br>[G]§ 63.11990(d)<br>§ 63.11995(a)<br>§ 63.11995(b) | § 63.11985(a)(3)<br>[G]§ 63.11985(a)(9)<br>[G]§ 63.11985(b)                                                                                                              |
| GRP-RES-STRIPR            | EU                      | 63HHHHH HH-1  | 112(B) HAPS | 40 CFR Part 63, Subpart HHHHHHH       | § 63.11960(a)-Table 1<br>§ 63.11890(a)<br>§ 63.11890(b)<br>§ 63.11900(a)<br>[G]§ 63.11960(b)                                                                   | For a resin stripper at an existing affected source that produces suspension resin, meet a vinyl chloride emission limit of 37 parts per million by weight (ppmv) and a total non-vinyl chloride HAP emission limit of 670 ppmw. | § 63.11905<br>[G]§ 63.11960(c)<br>[G]§ 63.11960(d)<br>[G]§ 63.11960(e)<br>§ 63.11960(f) | § 63.11990(a)<br>[G]§ 63.11990(h)<br>§ 63.11995(a)<br>§ 63.11995(b)                     | [G]§ 63.11985(a)(7)<br>[G]§ 63.11985(a)(9)<br>[G]§ 63.11985(b)                                                                                                           |
| HE/LE                     | EU                      | R5211-1       | VOC         | 30 TAC Chapter                        | § 115.212(b)(1)                                                                                                                                                | In Aransas, Bexar, Calhoun,                                                                                                                                                                                                      | § 115.212(b)(3)(B)                                                                      | § 115.216                                                                               | None                                                                                                                                                                     |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                           | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                               | Monitoring And Testing Requirements                                                                                                                                                                                                                                          | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                                                                      | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             | 115, Loading and Unloading of VOC     | § 115.212(b)(1)(B)<br>§ 115.212(b)(2)<br>§ 115.212(b)(3)(A)<br>§ 115.212(b)(3)(A)(i)<br>§ 115.212(b)(3)(B)<br>[G]§ 115.212(b)(3)(C)<br>§ 115.212(b)(3)(D)<br>§ 115.212(b)(3)(E)<br>§ 115.214(b)(1)(B)<br>§ 115.214(b)(1)(C) | Gregg, Matagorda, Nueces, San Patricio, Travis, and Victoria Counties, vapors caused by the loading of VOC with a TVP greater than or equal to 1.5 psia must be controlled using one of the methods specified in §115.212(b)(1)(A)-(C). | [G]§ 115.212(b)(3)(C)<br>§ 115.214(b)(1)(A)<br>§ 115.214(b)(1)(A)(i)<br>§ 115.214(b)(1)(A)(ii)<br>§ 115.214(b)(1)(A)(iii)<br>§ 115.215<br>§ 115.215(1)<br>§ 115.215(10)<br>[G]§ 115.215(2)<br>§ 115.215(4)<br>§ 115.215(5)<br>§ 115.215(8)<br>§ 115.215(9)                   | § 115.216(2)<br>§ 115.216(3)(A)<br>§ 115.216(3)(A)(i)<br>§ 115.216(3)(A)(ii)<br>§ 115.216(3)(A)(iii)<br>§ 115.216(3)(B)                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HE/LE                     | EU                      | 63G-7         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.126(a)<br>§ 63.126(a)(1)<br>§ 63.126(a)(2)<br>§ 63.126(a)(3)<br>§ 63.126(b)(3)<br>§ 63.126(f)<br>§ 63.126(g)<br>§ 63.126(h)<br>[G]§ 63.148(d)<br>§ 63.148(e)                                                           | For Group 1 transfer racks shall operate a vapor collection system and control device for organic HAPs.                                                                                                                                 | § 63.128(e)<br>§ 63.128(e)(1)<br>§ 63.128(e)(3)<br>§ 63.148(b)(1)(ii)<br>[G]§ 63.148(c)<br>§ 63.148(g)<br>§ 63.148(g)(2)<br>§ 63.148(h)<br>§ 63.148(h)(2)<br>§ 63.152(g)(1)(i)<br>[G]§ 63.152(g)(1)(ii)<br>§ 63.152(g)(1)(iii)<br>§ 63.152(g)(1)(iv)<br>[G]§ 63.152(g)(1)(v) | § 63.129(a)(1)<br>§ 63.130(e)<br>§ 63.130(f)<br>§ 63.130(f)(1)<br>§ 63.130(f)(2)<br>§ 63.130(f)(3)<br>§ 63.130(f)(3)(ii)<br>§ 63.148(g)(2)<br>§ 63.148(h)(2)<br>§ 63.148(i)(1)<br>§ 63.148(i)(2)<br>[G]§ 63.148(i)(4)<br>§ 63.148(i)(5)<br>§ 63.148(i)(6)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>§ 63.152(g)(1)<br>§ 63.152(g)(1)(i)<br>[G]§ 63.152(g)(1)(ii)<br>§ 63.152(g)(1)(iii)<br>§ 63.152(g)(1)(iv)<br>[G]§ 63.152(g)(1)(v) | § 63.129(a)(2)<br>§ 63.129(a)(3)<br>§ 63.130(d)(1)<br>§ 63.130(d)(2)<br>§ 63.148(j)<br>§ 63.148(j)(1)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name            | Emission Limitation, Standard or Equipment Specification Citation                                                                                                   | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                   | Monitoring And Testing Requirements                                                                                    | Recordkeeping Requirements<br>(30 TAC § 122.144)                                                              | Reporting Requirements<br>(30 TAC § 122.145)                                                              |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                                  |                                                                                                                                                                     |                                                                                                                                                                                                                                             |                                                                                                                        | [G]§ 63.152(g)(1)(vi)<br>§ 63.152(g)(2)<br>§ 63.152(g)(2)(i)<br>§ 63.152(g)(2)(ii)<br>§ 63.152(g)(2)(iii)     | [G]§ 63.152(c)(6)<br>§ 63.152(g)(1)<br>§ 63.152(g)(2)(i)<br>§ 63.152(g)(2)(ii)                            |
| MEOH UNL                  | EU                      | R5211-4       | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(b)(2)<br>§ 115.212(b)(2)<br>§ 115.214(b)(1)(B)<br>§ 115.214(b)(1)(D)<br>§ 115.214(b)(1)(D)(i)                                                             | All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified. | § 115.214(b)(1)(A)<br>§ 115.214(b)(1)(A)(i)<br>§ 115.215<br>§ 115.215(4)                                               | § 115.216<br>§ 115.216(2)<br>§ 115.216(3)(B)                                                                  | None                                                                                                      |
| MEOH UNL                  | EU                      | 63EEEE-1      | 112(B) HAPS | 40 CFR Part 63, Subpart EEEE                     | § 63.2338(b)<br>The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE                                                                                                                                             | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE |
| PV-301                    | EU                      | R5131-2       | VOC         | 30 TAC Chapter 115, Water Separation             | § 115.132(c)(1)                                                                                                                                                     | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.                                                                             | ** See Periodic Monitoring Summary                                                                                     | None                                                                                                          | None                                                                                                      |
| PV-301                    | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G                        | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)                                                              | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator                                                                                                           | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)                          | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)                           | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)                |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                  | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                           | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                 | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | § 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | to a control device and which meets §63.137(b).           | § 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PV-301B                   | EU                      | R5131-2       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(1)                                                                                                                                                                                                                                                                                                                                                              | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.                   | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | None                                                                                                                                                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PV-301B                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(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)                                                                                                                                                                                              |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                                  |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |                                                                                                                                      | § 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| PVCGEN                    | EU                      | 63ZZZZ-1      | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ                     | § 63.6602-Table 2c.1<br>§ 63.6595(a)(1)<br>§ 63.6605(a)<br>§ 63.6605(b)<br>§ 63.6625(e)<br>§ 63.6625(f)<br>§ 63.6625(h)<br>§ 63.6625(i)<br>§ 63.6640(f)(1)<br>§ 63.6640(f)(2)<br>§ 63.6640(f)(2)(i)<br>§ 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)<br>§ 63.6640(a)<br>§ 63.6640(a)-Table 6.9.a.i<br>§ 63.6640(a)-Table 6.9.a.ii                                                                                                     | § 63.6625(i)<br>§ 63.6655(e)<br>§ 63.6655(f)<br>§ 63.6660(a)<br>§ 63.6660(b)<br>§ 63.6660(c)                                         | § 63.6640(e)<br>§ 63.6650(f)                                                                                                                                                                                                           |
| TC LOAD                   | EU                      | R5211-2       | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.212(b)(1)<br>§ 115.212(b)(1)(B)<br>§ 115.212(b)(3)(A)<br>§ 115.212(b)(3)(A)(ii)<br>§ 115.212(b)(3)(B)<br>[G]§ 115.212(b)(3)(C)<br>§ 115.212(b)(3)(E)<br>§ 115.214(b)(1)(B)<br>§ 115.214(b)(1)(C)                 | In Aransas, Bexar, Calhoun, Gregg, Matagorda, Nueces, San Patricio, Travis, and Victoria Counties, vapors caused by the loading of VOC with a TVP greater than or equal to 1.5 psia must be controlled using one of the methods specified in §115.212(b)(1)(A)-(C). | § 115.212(b)(3)(B)<br>[G]§ 115.212(b)(3)(C)<br>§ 115.214(b)(1)(A)<br>§ 115.214(b)(1)(A)(i)<br>§ 115.214(b)(1)(A)(ii)<br>§ 115.214(b)(1)(A)(iii)<br>§ 115.215<br>§ 115.215(1)<br>§ 115.215(10) | § 115.216<br>§ 115.216(2)<br>§ 115.216(3)(A)<br>§ 115.216(3)(A)(i)<br>§ 115.216(3)(A)(ii)<br>§ 115.216(3)(A)(iii)<br>§ 115.216(3)(B) | None                                                                                                                                                                                                                                   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name            | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                   | Textual Description (See Special Term and Condition 1.B.)                                                                     | Monitoring And Testing Requirements                                                                                                             | Recordkeeping Requirements (30 TAC § 122.144)                                                                 | Reporting Requirements (30 TAC § 122.145)                                                                 |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                                  |                                                                                                                                                                                                     |                                                                                                                               | [G]§ 115.215(2)<br>§ 115.215(4)<br>§ 115.215(5)<br>§ 115.215(8)<br>§ 115.215(9)                                                                 |                                                                                                               |                                                                                                           |
| TC LOAD                   | EU                      | 63EEEE-1      | 112(B) HAPS | 40 CFR Part 63, Subpart EEEE                     | § 63.2338(b)<br>The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE                                 | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE                               | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE                          | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE |
| TC UNLOAD                 | EU                      | R5211-3       | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.212(b)(3)<br>§ 115.212(b)(2)<br>§ 115.212(b)(3)(A)<br>§ 115.212(b)(3)(A)(ii)<br>§ 115.212(b)(3)(B)<br>[G]§ 115.212(b)(3)(C)<br>§ 115.212(b)(3)(D)<br>§ 115.214(b)(1)(B)<br>§ 115.214(b)(1)(C) | All land-based VOC transfer to or from transport vessels shall be conducted in the manner specified for leak-free operations. | § 115.212(b)(3)(B)<br>[G]§ 115.212(b)(3)(C)<br>§ 115.214(b)(1)(A)<br>§ 115.214(b)(1)(A)(i)<br>§ 115.214(b)(1)(A)(ii)<br>§ 115.214(b)(1)(A)(iii) | § 115.216<br>§ 115.216(3)(A)<br>§ 115.216(3)(A)(i)<br>§ 115.216(3)(A)(iii)                                    | None                                                                                                      |
| TC UNLOAD                 | EU                      | 63EEEE-1      | 112(B) HAPS | 40 CFR Part 63, Subpart EEEE                     | § 63.2338(b)<br>The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE                                 | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE                               | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE                          | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE |
| VCM UNIT                  | EU                      | 61F-4         | Vinyl       | 40 CFR Part 61,                                  | § 61.63(a)                                                                                                                                                                                          | The concentration of vinyl                                                                                                    | § 61.67(a)                                                                                                                                      | § 61.65(c)                                                                                                    | § 61.67(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)                                                                                                                                                                 |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               | Chloride       | Subpart F                             | [G]§ 61.65(b)(6)<br>§ 61.65(c)<br>§ 61.68(e)                                                                                                             | chloride in each exhaust gas stream is not to exceed 10 ppm (average for 3-hour period), except as provided in §61.65(a).                                                                           | § 61.67(a)(1)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>[G]§ 61.67(g)(1)<br>§ 61.68(a)<br>§ 61.68(b)<br>[G]§ 61.68(c)<br>§ 61.68(d)<br>§ 61.68(e)<br>§ 61.68(f)<br>§ 61.70(c)                                   | § 61.67(f)<br>§ 61.68(f)<br>§ 61.71(a)<br>§ 61.71(a)(3)                                                 | § 61.69(a)<br>§ 61.69(b)(1)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(a)(2)<br>§ 61.70(b)(1)<br>§ 61.70(c)(1)                                                                                          |
| VCM UNIT                  | EU                      | 61F-4         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.65(a)<br>[G]§ 61.242-10<br>[G]§ 61.242-4<br>§ 61.65(b)(4)<br>[G]§ 61.65(b)(6)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3)                       | Except for an emergency relief discharge, and as in §61.65(d), there is to be no discharge to the atmosphere from any relief valve on any equipment in vinyl chloride service. Report as specified. | [G]§ 61.242-4<br>[G]§ 61.245(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii)                                                                                                                                                      | § 61.65(c)                                                                                              | § 61.65(a)                                                                                                                                                                                                |
| VCM UNIT                  | EU                      | 61F-4         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | [G]§ 61.65(b)(1)<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3)<br>§ 61.68(e) | Vinyl chloride emissions from loading and unloading lines which are opened to the atmosphere after each loading or unloading operation are to be minimized specified. §61.65(b)(1)(i)-(ii)          | § 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(a)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>[G]§ 61.67(g)(1)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii)<br>§ 61.68(a)<br>§ 61.68(b) | § 61.65(c)<br>§ 61.67(f)<br>§ 61.68(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2)<br>§ 61.71(a)(3) | § 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.67(e)<br>§ 61.68(e)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                        | Textual Description (See Special Term and Condition 1.B.)                                                                                       | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                      | Recordkeeping Requirements (30 TAC § 122.144)                                                           | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                   |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       |                                                                                                                                                          |                                                                                                                                                 | [G]§ 61.68(c)<br>§ 61.68(d)<br>§ 61.68(e)<br>§ 61.68(f)<br>§ 61.70(c)                                                                                                                                                                                                                                                                    |                                                                                                         |                                                                                                                                                                                             |
| VCM UNIT                  | EU                      | 61F-4         | Vinyl Chloride | 40 CFR Part 61, Subpart F             | [G]§ 61.65(b)(9)<br>§ 61.65(b)(5)<br>[G]§ 61.65(b)(6)<br>§ 61.65(b)(8)<br>§ 61.65(b)(8)(i)<br>§ 61.65(c)<br>§ 61.67(h)(1)<br>§ 61.67(h)(3)<br>§ 61.68(e) | In process wastewater. Vinyl chloride emissions to the atmosphere from in process wastewater are to be reduced as follows. §61.65(b)(9)(i)-(ii) | § 61.65(b)(8)(i)(D)(1)<br>§ 61.65(b)(8)(i)(D)(2)<br>§ 61.67(a)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>[G]§ 61.67(g)(1)<br>§ 61.67(g)(2)<br>§ 61.67(h)(1)<br>§ 61.67(h)(2)(i)<br>§ 61.67(h)(2)(ii)<br>§ 61.68(a)<br>§ 61.68(b)<br>[G]§ 61.68(c)<br>§ 61.68(d)<br>§ 61.68(e)<br>§ 61.68(f)<br>§ 61.70(c) | § 61.65(c)<br>§ 61.67(f)<br>§ 61.68(f)<br>§ 61.71(a)<br>§ 61.71(a)(1)<br>§ 61.71(a)(2)<br>§ 61.71(a)(3) | § 61.65(b)(8)(i)<br>§ 61.65(b)(8)(i)(A)<br>§ 61.65(b)(8)(i)(B)<br>§ 61.65(b)(8)(i)(C)<br>§ 61.65(b)(8)(i)(D)<br>§ 61.67(e)<br>§ 61.69(a)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(c)(1) |
| VCM UNIT                  | EU                      | 61F-4A        | Vinyl Chloride | 40 CFR Part 61, Subpart F             | § 61.60(a)(1)<br>§ 61.62(a)<br>§ 61.62(b)<br>[G]§ 61.65(b)(6)<br>§ 61.65(c)<br>§ 61.68(e)                                                                | This subpart applies to plants which produce ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene.                     | § 61.67(a)<br>§ 61.67(a)(1)<br>§ 61.67(b)<br>§ 61.67(c)<br>§ 61.67(e)<br>§ 61.67(f)<br>§ 61.67(g)<br>[G]§ 61.67(g)(1)<br>§ 61.68(a)<br>§ 61.68(b)<br>[G]§ 61.68(c)                                                                                                                                                                       | § 61.65(c)<br>§ 61.67(f)<br>§ 61.68(f)<br>§ 61.71(a)<br>§ 61.71(a)(3)                                   | § 61.67(e)<br>§ 61.69(a)<br>§ 61.69(b)(1)<br>[G]§ 61.69(c)<br>§ 61.70(a)(1)<br>§ 61.70(a)(2)<br>§ 61.70(b)(1)<br>§ 61.70(c)(1)                                                              |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No.   | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                     | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                                                                    | Monitoring And Testing Requirements                                                                                                        | Recordkeeping Requirements (30 TAC § 122.144)                                                            | Reporting Requirements (30 TAC § 122.145)                                                |
|---------------------------|-------------------------|-----------------|----------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                           |                         |                 |                |                                       |                                                                                                                                                                       |                                                                                                                                                                                                                                                              | § 61.68(d)<br>§ 61.68(e)<br>§ 61.68(f)<br>§ 61.70(c)                                                                                       |                                                                                                          |                                                                                          |
| VCM UNIT                  | PRO                     | 63F-1           | 112(B)<br>HAPS | 40 CFR Part 63, Subpart F             | § 63.100(b)<br>[G]§ 63.102(a)<br>[G]§ 63.102(c)<br>§ 63.104(a)<br>[G]§ 63.104(d)<br>§ 63.104(e)<br>§ 63.104(e)(1)<br>[G]§ 63.104(e)(2)<br>§ 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)<br>§ 63.103(b)(3)<br>§ 63.103(b)(4)<br>[G]§ 63.103(b)(5)<br>§ 63.103(b)(6)<br>[G]§ 63.104(b)                                | [G]§ 63.103(c)<br>[G]§ 63.104(e)(2)<br>[G]§ 63.104(f)(1)<br>[G]§ 63.105(b)<br>§ 63.105(c)<br>§ 63.105(e) | § 63.103(b)(2)<br>[G]§ 63.103(b)(5)<br>[G]§ 63.103(d)<br>[G]§ 63.104(f)(2)               |
| VCMUNITW<br>W             | PRO                     | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63, Subpart HHHHHHH       | § 63.11965(a)-Table 1.4<br>§ 63.11890(a)<br>§ 63.11890(b)<br>§ 63.11900(a)<br>§ 63.11965(a)<br>[G]§ 63.11965(b)<br>§ 63.11965(c)<br>§ 63.11965(d)<br>[G]§ 63.11965(f) | For process wastewater at an existing affected source, meet a vinyl chloride emission limit of 6.8 ppmw and a total non-vinyl chloride HAP emission limit of 110 ppmw.                                                                                       | § 63.11905<br>§ 63.11970(a)<br>§ 63.11970(b)<br>§ 63.11975(a)<br>[G]§ 63.11975(b)<br>[G]§ 63.11975(c)<br>[G]§ 63.11980(a)<br>§ 63.11980(b) | § 63.11990(a)<br>[G]§ 63.11990(i)<br>§ 63.11995(a)<br>§ 63.11995(b)                                      | [G]§ 63.11985(a)(8)<br>[G]§ 63.11985(a)(9)<br>[G]§ 63.11985(b)(4)<br>[G]§ 63.11985(b)(8) |
| VR-290                    | EP                      | R5121-2         | VOC            | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(B)<br>§ 115.127(c)(1)                                                                                                                                 | A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(B)                                                                                            | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(B)                                             | None                                                                                     |
| VR-290                    | EP                      | R5121-2         | VOC            | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(c)(1)(C)<br>§ 115.127(c)(1)                                                                                                                                 | A vent gas stream having a concentration of the VOC specified in § 115.121(c)(1)(B) and (C)                                                                                                                                                                  | [G]§ 115.125<br>§ 115.126(2)<br>§ 115.126(3)(C)                                                                                            | § 115.126<br>§ 115.126(2)<br>§ 115.126(3)<br>§ 115.126(3)(C)                                             | None                                                                                     |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                             | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                                                                                                                               | less than 30,000 ppmv is exempt from § 115.121(c)(1).                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| VT-203D                   | EU                      | R5131-2       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(1)                                                                                                                                                                                                                                                                                                                                                               | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.                   | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | None                                                                                                                                                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| VT-203D                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(iii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                         | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                     | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                   | [G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                   | § 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-203E                   | EU                      | R5131-2       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(1)                                                                                                                                                                                                                                                              | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.                   | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                          | None                                                                                                                                                                                                                                                              | None                                                                                                                                                                                                                                                                                                                          |
| VT-203E                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>[G]§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)                                        |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                            | Textual Description (See Special Term and Condition 1.B.)                                                                                   | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                      | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | § 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) |                                                                                                                                             | § 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | [G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-204D                   | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                              | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title. | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                 | None                                                                                                               | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| VT-204D                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)                               | A fixed roof and a closed vent system that routes the organic hazardous air                                                                 | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)                                                                                                                                                                                                                                              | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)                                                                 | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                           | Textual Description (See Special Term and Condition 1.B.)                                             | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | [G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(iii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | § 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                      | [G]§ 63.182(d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| VT-204E                   | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                                                                                                                                                                                                              | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                       | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | None                                                                                                                                                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| VT-204E                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                           |                         |               |                |                                       |                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                      | § 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                                                                             |
| VT-205E                   | EU                      | 63G-5         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart G          | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                             | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                 | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                   | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                         |
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|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                               |                                                                                                                                                                                   | [G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                                                                                                                                                              |                                                                                                                                                                                                                                                 | § 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-208A/C                 | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                                                                                               | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                       | ** See Periodic Monitoring Summary                                                                                                                                                                                                                  | None                                                                                                                                                                                                                                            | None                                                                                                                                                                                                                                                                                                                                                              |
| VT-208A/C                 | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)                                                                                              |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                           | Textual Description (See Special Term and Condition 1.B.)                                                                                   | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                     | Recordkeeping Requirements (30 TAC § 122.144)                                                                                     | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | § 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) |                                                                                                                                             | [G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-301A                   | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                             | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title. | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                      | None                                                                                                                              | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VT-301A                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)                                                                      | A fixed roof and a closed vent system that routes the                                                                                       | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)                                                                                                                                                                                                                                                                                     | § 63.143(f)<br>§ 63.145(a)(3)                                                                                                     | § 63.146(b)(2)<br>§ 63.146(b)(5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                  | Textual Description (See Special Term and Condition 1.B.)                                                                   | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                       | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|                           |                         |               |           |                                       | § 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | § 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | [G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                      | § 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| VT-301A/B                 | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                                                                                                                                                                                                              | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                       | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| VT-301A/B                 | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                               | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                 |
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|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                   | [G]§ 63.180(d)                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                      | [G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                    |
| VT-302A                   | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                                                                                                                                                              | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                       | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                | None                                                                                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                                      |
| VT-302A                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>[G]§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                     | Textual Description (See Special Term and Condition 1.B.)                                                                                                 | Monitoring And Testing Requirements                                                                                                                                                                                                          | Recordkeeping Requirements (30 TAC § 122.144)                                                         | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | § 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)                                                                          |                                                                                                                                                           | § 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3)                                          | § 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-302A/B                 | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                       | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.               | ** See Periodic Monitoring Summary                                                                                                                                                                                                           | None                                                                                                  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VT-302A/B                 | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)                                                                                                                                 | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)                                                                                                                                                                                                                                                                                                                                                                                               |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                   | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                            | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                               | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | § 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | which meets §63.137(b).                                   | § 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-611C                   | EU                      | R5131-1       | VOC       | 30 TAC Chapter                        | § 115.132(c)(3)                                                                                                                                                                                                                                     | VOC water separator                                       | ** See Periodic                                                                                                                                                                                                                                                                                                                                                                                                                                                | None                                                                                                                                                                                                                                                                        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             | 115, Water Separation                 | § 115.131(c)                                                                                                                                                                                                                                                                                                                                                                 | compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                                           | Monitoring Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VT-611C                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                             | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                       | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                      | § 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                                                                 |
| VT-630C                   | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                                                                                                                                                                                                               | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                       | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                                        | None                                                                                                                                                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                           |
| VT-630C                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(iii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                       | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                         | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                              | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                         |                                                                                                                                                                                   | § 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)           |                                                                                                                                                                            | [G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-632C                   | EU                      | R5131-1       | VOC         | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                         | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(c) of this title.                                       | ** See Periodic Monitoring Summary                                                                                                                                          | None                                                                                                                                                                       | None                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| VT-632C                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)                                                                                                                                                                                                                                                 |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                 | Textual Description (See Special Term and Condition 1.B.)                                                        | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                             | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                          | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | § 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) |                                                                                                                  | § 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | [G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | [G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-633C                   | EU                      | R5131-1       | VOC       | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(3)<br>§ 115.131(c)                                                                                                                                                   | VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                              | None                                                                                                                                                                                                   | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                                                                                                                                                                                                              | §115.131(c) of this title.                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| VT-633C                   | EU                      | 63G-5         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                                                                                                                                                                                                                                |
| VT-710                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| VT-710                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(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)                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                | § 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                                                       |
| VT-720                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                                                             |
| VT-720                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                | § 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                        |
| VT-721                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                     |
| VT-721                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                | § 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-722                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                      |
| VT-722                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)                                                                                                          |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                      | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                        | Recordkeeping Requirements (30 TAC § 122.144)                                                                                             | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                        |                                                                                                                                                                                              |                                                                                                                                                            | § 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3)                                                                              | § 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-730                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                        | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                         | None                                                                                                                                      | None                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VT-730                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)                                                                                                                                                                                                                                                             |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                             | Recordkeeping Requirements (30 TAC § 122.144)                                                                                     | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | § 63.172(i)<br>§ 63.172(m)                                        |                                                                                                                                                                                              | [G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)            | § 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-731                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                   | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                              | None                                                                                                                              | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| VT-731                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to                                                                                     | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)                                                              | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | § 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).                                                                                                                   | [G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | [G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-732                    | EU                      | R5112-1       | VOC       | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                 | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                              | None                                                                                                                                                                                                   | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                           | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VT-732                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5). | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-760                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are                                                              | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                           | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      | equipped with the appropriate control device specified in Table I(b).                                                                                                               |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| VT-760                    | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5). | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VT-763C                   | EU                      | R5112-1       | VOC         | 30 TAC Chapter                        | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC,                                                                                                                                                          | ** See Periodic                                                                                                                                                                                                                    | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                           | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             | 115, Storage of VOCs                  |                                                                                                                                                                      | other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).                   | Monitoring Summary                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VT-763C                   | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5). | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                | § 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| VT-763D                   | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| VT-763D                   | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No.   | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                       | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                         | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                              | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                    |
|---------------------------|-------------------------|-----------------|----------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |                 |                |                                       |                                                                                                                                                                                         |                                                                                                                                                                                   |                                                                                                                                                                             |                                                                                                                                                                            | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                     |
| VV 752                    | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | § 63.11910(c)<br>§ 63.11890(a)<br>§ 63.11890(b)<br>§ 63.11910(c)(1)<br>§ 63.11910(c)(2)<br>§ 63.11910(c)(4)                                                                             | For each pressure vessel used to comply with requirements specified in Table 3 to this subpart, meet the operating and monitoring requirements in § 63.11910(c)(1)-(4).           | § 63.11910(c)(3)                                                                                                                                                            | § 63.11990(a)<br>[G]§ 63.11990(b)<br>§ 63.11995(a)<br>§ 63.11995(b)                                                                                                        | § 63.11985(a)(1)<br>[G]§ 63.11985(a)(9)<br>[G]§ 63.11985(b)                                                                                                                                  |
| VV 753                    | EU                      | 63HHHHH<br>HH-1 | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart<br>HHHHHHH | § 63.11910(c)<br>§ 63.11890(a)<br>§ 63.11890(b)<br>§ 63.11910(c)(1)<br>§ 63.11910(c)(2)<br>§ 63.11910(c)(4)                                                                             | For each pressure vessel used to comply with requirements specified in Table 3 to this subpart, meet the operating and monitoring requirements in § 63.11910(c)(1)-(4).           | § 63.11910(c)(3)                                                                                                                                                            | § 63.11990(a)<br>[G]§ 63.11990(b)<br>§ 63.11995(a)<br>§ 63.11995(b)                                                                                                        | § 63.11985(a)(1)<br>[G]§ 63.11985(a)(9)<br>[G]§ 63.11985(b)                                                                                                                                  |
| VV-305B                   | EU                      | R5131-2         | VOC            | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(1)                                                                                                                                                                         | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.                   | ** See Periodic Monitoring Summary                                                                                                                                          | None                                                                                                                                                                       | None                                                                                                                                                                                         |
| VV-305B                   | EU                      | 63G-5           | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart G          | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                 | Textual Description (See Special Term and Condition 1.B.)                                                                     | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                             | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                          | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | § 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) |                                                                                                                               | § 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | [G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | [G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VV-506B                   | EU                      | R5131-2       | VOC       | 30 TAC Chapter 115, Water Separation  | § 115.132(c)(1)                                                                                                                                                                   | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall | ** See Periodic Monitoring Summary                                                                                                                                                                                                                                                                                                                                                              | None                                                                                                                                                                                                   | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                                                                                                            | Textual Description (See Special Term and Condition 1.B.)                                                                                                                         | Monitoring And Testing Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                                                                                                                        | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       |                                                                                                                                                                                                                                                                                                                                                                              | be vapor-tight except during use.                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| VV-506B                   | EU                      | 63G-5         | 112(B)<br>HAPS | 40 CFR Part 63,<br>Subpart G          | § 63.137(a)(1)<br>§ 63.132(a)(2)(i)(A)<br>§ 63.132(a)(2)(i)(B)<br>[G]§ 63.132(f)<br>§ 63.137(b)(1)(ii)<br>§ 63.137(d)<br>§ 63.137(e)(3)<br>§ 63.137(f)<br>§ 63.139(b)<br>§ 63.139(c)(1)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(f)<br>§ 63.140(a)<br>§ 63.140(b)<br>§ 63.140(c)<br>§ 63.144(a)<br>§ 63.145(i)(9)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i) | A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b). | [G]§ 63.137(e)(1)<br>§ 63.137(e)(2)<br>§ 63.137(e)(3)<br>§ 63.139(c)(1)(ii)<br>§ 63.139(d)(1)<br>§ 63.139(e)<br>§ 63.143(a)<br>§ 63.143(e)<br>§ 63.143(e)(1)<br>§ 63.143(f)<br>§ 63.143(g)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.145(a)(5)<br>[G]§ 63.145(a)(6)<br>§ 63.145(i)(1)<br>§ 63.145(i)(2)<br>§ 63.145(i)(3)<br>§ 63.145(i)(4)<br>§ 63.145(i)(5)<br>[G]§ 63.145(i)(6)<br>§ 63.145(i)(7)<br>§ 63.145(i)(8)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.143(f)<br>§ 63.145(a)(3)<br>[G]§ 63.145(a)(4)<br>§ 63.147(b)<br>§ 63.147(b)(1)<br>§ 63.147(b)(2)<br>§ 63.147(b)(5)<br>§ 63.147(d)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.146(b)(2)<br>§ 63.146(b)(5)<br>§ 63.146(b)(6)<br>§ 63.146(b)(7)<br>§ 63.146(b)(7)(ii)<br>§ 63.146(b)(7)(ii)(A)<br>§ 63.146(b)(7)(ii)(C)<br>§ 63.146(c)<br>§ 63.146(e)<br>§ 63.146(e)(1)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>§ 63.151(e)(5)<br>§ 63.151(f)<br>§ 63.151(f)(1)<br>§ 63.151(f)(2)<br>§ 63.151(f)(3)<br>§ 63.151(h)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(2)(iv)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(3)(ii)<br>§ 63.152(c)(4)(ii) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                                                | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                                                                                                                  | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                              |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                | [G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d)                                                                                                                                                                          |
| VV-751C                   | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                   |
| VV-769A                   | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                           | None                                                                                                                                                                                                                                                                                                   |
| VV-769A                   | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j) |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                                                                                              | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                                                             | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                                  |                                                                                                                                                                                           | [G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VV-769B                   | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                                                                                               | None                                                                                                                                                                                      | None                                                                                                                                                                                                                                                                                                                                                                        |
| VV-769B                   | EU                      | 63G-1         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(1)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a)<br>[G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with §63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).            | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g)<br>[G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)<br>§ 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)                                                                                                                                                                   |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                    | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                    | Monitoring And Testing Requirements                                                                                                      | Recordkeeping Requirements (30 TAC § 122.144)                                                                           | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                      |                                                                                                                                                                                              | [G]§ 63.180(d)                                                                                                                           | § 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3)                                       | [G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VV-790                    | EU                      | R5112-1       | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.112(c)(1)                                                                                                      | Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b). | ** See Periodic Monitoring Summary                                                                                                       | None                                                                                                                    | None                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VV-790                    | EU                      | 63G-2         | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(e)<br>§ 63.119(a)(2)<br>§ 63.119(e)(1)<br>§ 63.119(e)(3)<br>§ 63.119(e)(4)<br>§ 63.119(e)(5)<br>§ 63.172(a) | The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).          | § 63.120(d)(1)<br>§ 63.120(d)(1)(ii)<br>§ 63.120(d)(1)(ii)(A)<br>§ 63.120(d)(5)<br>[G]§ 63.172(f)(1)<br>[G]§ 63.172(f)(2)<br>§ 63.172(g) | § 63.123(a)<br>§ 63.123(f)(1)<br>[G]§ 63.123(f)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>§ 63.181(a) | § 63.120(d)(1)(ii)(B)<br>§ 63.120(d)(2)<br>§ 63.120(d)(2)(i)<br>[G]§ 63.120(d)(2)(iii)<br>§ 63.120(d)(3)<br>§ 63.120(d)(3)(i)<br>§ 63.120(d)(3)(ii)                                                                                                                                                                                                                                                                                                    |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)                                                                                                                                                  | Monitoring And Testing Requirements                                                    | Recordkeeping Requirements (30 TAC § 122.144)                                                                                                       | Reporting Requirements (30 TAC § 122.145)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |           |                                       | [G]§ 63.172(h)<br>§ 63.172(i)<br>§ 63.172(m)                      |                                                                                                                                                                                                            | [G]§ 63.172(h)<br>[G]§ 63.172(k)<br>[G]§ 63.172(l)<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | [G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(g)<br>§ 63.181(g)(1)(i)<br>§ 63.181(g)(1)(ii)<br>[G]§ 63.181(g)(2)<br>[G]§ 63.181(g)(3) | § 63.120(d)(4)<br>§ 63.122(b)<br>§ 63.122(c)(1)<br>[G]§ 63.122(g)(1)<br>[G]§ 63.122(g)(2)<br>§ 63.151(a)(7)<br>[G]§ 63.151(b)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(b)(4)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(3)<br>§ 63.152(c)(3)(i)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6)<br>[G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| VW-C02                    | EP                      | R1111         | Opacity   | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C)<br>§ 111.111(a)(1)(E)                          | Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | [G]§ 111.111(a)(1)(F)<br>** See Periodic Monitoring Summary                            | None                                                                                                                                                | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| VW-C11                    | EP                      | R1111         | Opacity   | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C)<br>§ 111.111(a)(1)(E)                          | Visible emissions from any stationary vent shall not exceed an opacity of 15%                                                                                                                              | [G]§ 111.111(a)(1)(F)<br>** See Periodic                                               | None                                                                                                                                                | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.)                                                                    | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                       |                                                                   | averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | Monitoring Summary                  |                                               |                                           |

## **Additional Monitoring Requirements**

|                                          |           |
|------------------------------------------|-----------|
| <b>Periodic Monitoring Summary .....</b> | <b>95</b> |
|------------------------------------------|-----------|

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: 999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R1111              |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> |                                   |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: PV-301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SOP Index No.: R5131-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Main Standard: § 115.132(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Minimum Frequency: Quarterly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Deviation Limit: 500 ppmv (or 10,000 ppmv for seals around a shaft that passes through a cover opening) if the 1st attempt at repair is not made within 5 calendar days and/or the final repair is not made within 15 calendar days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: PV-301B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SOP Index No.: R5131-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Main Standard: § 115.132(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Minimum Frequency: Quarterly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Deviation Limit: 500 ppmv (or 10,000 ppmv for seals around a shaft that passes through a cover opening) if the 1st attempt at repair is not made within 5 calendar days and/or the final repair is not made within 15 calendar days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> |                                |

## Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
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| ID No.: VT-203D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5131-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 115.132(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Minimum Frequency: Quarterly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| <p>Deviation Limit: 500 ppmv (or 10,000 ppmv for seals around a shaft that passes through a cover opening) if the 1st attempt at repair is not made within 5 calendar days and/or the final repair is not made within 15 calendar days.</p> <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: VT-203E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5131-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 115.132(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Minimum Frequency: Quarterly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| <p>Deviation Limit: 500 ppmv (or 10,000 ppmv for seals around a shaft that passes through a cover opening) if the 1st attempt at repair is not made within 5 calendar days and/or the final repair is not made within 15 calendar days.</p> <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-204D                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-204E                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-208A/C                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-301A                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-301A/B                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-302A                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-302A/B                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-611C                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-630C                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-632C                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                         |                                |
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| ID No.: VT-633C                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5131-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 115.132(c)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: once per week                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-710                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-720                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-721                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-722                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                |                                |
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| ID No.: VT-730                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                    | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                     | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                   |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                             |                                |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-731                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-732                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-760                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VT-763C                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: VT-763D                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: VV-305B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SOP Index No.: R5131-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Main Standard: § 115.132(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Minimum Frequency: Quarterly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Deviation Limit: 500 ppmv (or 10,000 ppmv for seals around a shaft that passes through a cover opening) if the 1st attempt at repair is not made within 5 calendar days and/or the final repair is not made within 15 calendar days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: VV-506B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Water Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5131-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 115.132(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Minimum Frequency: Quarterly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| <p>Deviation Limit: 500 ppmv (or 10,000 ppmv for seals around a shaft that passes through a cover opening) if the 1st attempt at repair is not made within 5 calendar days and/or the final repair is not made within 15 calendar days.</p> <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: VV-751C                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                                               | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                          | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Indicator: Record of Tank Construction Specifications                                                                                                                                                                                                                                                                                                                                                                                   |                                |
| Minimum Frequency: N/A                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |
| Deviation Limit: 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 from the bottom                                                                                                                                                                                                                      |                                |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
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| ID No.: VV-751C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Deviation Limit: When structural integrity of the pipe is questioned repairs shall be done before storage vessel is refilled.                                                                                                                                                                                                                                                                                                                                                                         |                                |
| <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.: VV-769A                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VV-769B                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                       |                                |
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| ID No.: VV-790                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                           | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                       | Main Standard: § 115.112(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                          |                                |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Deviation Limit: Temperature below 1664 Degrees F                                                                                                                                                                                                                                                                                                                                                                    |                                |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> |                                |

## Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: VW-C02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R1111              |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> |                                   |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: VW-C11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: R1111              |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period for any source having a total flow rate greater than or equal to 100,000 acfm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> |                                   |

**Permit Shield**

**Permit Shield ..... 131**

### 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                                                                                                                                         |
|-------------------------------|-------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 006A/B/C                      | N/A                     | 40 CFR Part 60, Subpart D     | The waste heat boiler does not have a heat input capacity more than 250 MMBtu/hr.                                                                              |
| 006A/B/C                      | N/A                     | 40 CFR Part 60, Subpart Da    | The waste heat boiler does not have a heat input capacity more than 250 MMBtu/hr.                                                                              |
| 006A/B/C                      | N/A                     | 40 CFR Part 60, Subpart Db    | The waste heat boiler does not have a heat input capacity more than 100 MMBtu/hr.                                                                              |
| 006A/B/C                      | N/A                     | 40 CFR Part 60, Subpart III   | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart III is required to comply only with the provisions of 40 CFR 63 Subpart G. |
| 006A/B/C                      | N/A                     | 40 CFR Part 60, Subpart NNN   | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart NNN is required to comply only with the provisions of 40 CFR 63 Subpart G. |
| 006A/B/C                      | N/A                     | 40 CFR Part 60, Subpart RRR   | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart RRR is required to comply only with the provisions of 40 CFR 63 Subpart G. |
| 006A/B/C                      | N/A                     | 40 CFR Part 61, Subpart F     | A Group I process vent that is also subject to the provisions of 40 CFR 61, Subpart F is required to comply only with the provisions of 40 CFR 63 Subpart G.   |
| 006A/B/C                      | N/A                     | 40 CFR Part 63, Subpart DDDDD | Facility is not a process heater or boiler.                                                                                                                    |
| 006A/B/C                      | N/A                     | 40 CFR Part 63, Subpart JJJJJ | Facility is not a process heater or boiler.                                                                                                                    |
| 006D/E                        | N/A                     | 40 CFR Part 60, Subpart D     | The waste heat boiler does not have a heat input capacity more than 250 MMBtu/hr.                                                                              |

### 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                                                                                                                                         |
|-------------------------------|-------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 006D/E                        | N/A                     | 40 CFR Part 60, Subpart Da           | The waste heat boiler does not have a heat input capacity more than 250 MMBtu/hr.                                                                              |
| 006D/E                        | N/A                     | 40 CFR Part 60, Subpart Db           | The waste heat boiler does not have a heat input capacity more than 100 MMBtu/hr.                                                                              |
| 006D/E                        | N/A                     | 40 CFR Part 60, Subpart III          | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart III is required to comply only with the provisions of 40 CFR 63 Subpart G. |
| 006D/E                        | N/A                     | 40 CFR Part 60, Subpart NNN          | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart NNN is required to comply only with the provisions of 40 CFR 63 Subpart G. |
| 006D/E                        | N/A                     | 40 CFR Part 60, Subpart RRR          | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart RRR is required to comply only with the provisions of 40 CFR 63 Subpart G. |
| 006D/E                        | N/A                     | 40 CFR Part 61, Subpart F            | A Group I process vent that is also subject to the provisions of 40 CFR 60, Subpart F is required to comply only with the provisions of 40 CFR 63 Subpart G.   |
| 006D/E                        | N/A                     | 40 CFR Part 63, Subpart DDDDD        | Facility is not a process heater or boiler.                                                                                                                    |
| 006D/E                        | N/A                     | 40 CFR Part 63, Subpart JJJJJ        | Facility is not a process heater or boiler.                                                                                                                    |
| 415                           | N/A                     | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a solid fossil fuel-fired or liquid fuel-fired furnace or heater.                                                                              |
| 416                           | N/A                     | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a solid fossil fuel-fired or liquid fuel-fired furnace or heater.                                                                              |

### 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                                                                                                                        |
|-------------------------------|-------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 417                           | N/A                     | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a solid fossil fuel-fired or liquid fuel-fired furnace or heater.                                                             |
| 418                           | N/A                     | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a solid fossil fuel-fired or liquid fuel-fired furnace or heater.                                                             |
| 419                           | N/A                     | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a solid fossil fuel-fired or liquid fuel-fired furnace or heater.                                                             |
| 999                           | N/A                     | 40 CFR Part 63, Subpart Q            | The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.                                   |
| CD-001                        | N/A                     | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a solid fossil fuel-fired or liquid fuel-fired furnace or heater.                                                             |
| CT-803                        | N/A                     | 30 TAC Chapter 115, Storage of VOCs  | The storage tank is storing VOC with a true vapor pressure less than 1.5 psia.                                                                |
| CT-803                        | N/A                     | 40 CFR Part 60, Subpart Kb           | The storage tank has a capacity between 75 and 151 cubic meters and stores a liquid with a maximum true vapor pressure of less than 15.0 kPa. |
| CT-803                        | N/A                     | 40 CFR Part 63, Subpart G            | The storage tank does not meet the definition of a Group 1 or Group 2 storage vessel.                                                         |
| CT-807                        | N/A                     | 30 TAC Chapter 115, Storage of VOCs  | The storage tank is storing VOC with a true vapor pressure less than 1.5 psia.                                                                |
| CT-807                        | N/A                     | 40 CFR Part 60, Subpart Kb           | The storage tank does not have a design capacity greater than or equal to 75 cubic meters.                                                    |
| CT-807                        | N/A                     | 40 CFR Part 63, Subpart G            | The storage tank does not meet the definition of a Group 1 or Group 2 storage vessel.                                                         |

### 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                                                                                                                                            |
|-------------------------------|-------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CW-801                        | N/A                     | 40 CFR Part 63, Subpart Q    | The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.                                                       |
| HE/LE                         | N/A                     | 40 CFR Part 63, Subpart EEEE | Loading/unloading operations is subject to both 40 CFR 63, Subpart EEEE and Subpart G (HON). According to 40 CFR 63.2338, we elect to comply with only Subpart G. |
| PV-301                        | N/A                     | 40 CFR Part 63, Subpart VV   | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references.                       |
| PV-301B                       | N/A                     | 40 CFR Part 63, Subpart VV   | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references.                       |
| TC LOAD                       | N/A                     | 40 CFR Part 63, Subpart F    | The loading operation utilizes a vapor balance system.                                                                                                            |
| TC UNLOAD                     | N/A                     | 40 CFR Part 63, Subpart F    | The unloading operation utilizes a vapor balance system.                                                                                                          |
| VT-203D                       | N/A                     | 40 CFR Part 63, Subpart VV   | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references.                       |
| VT-204D                       | N/A                     | 40 CFR Part 63, Subpart VV   | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references.                       |
| VT-208A/C                     | N/A                     | 40 CFR Part 63, Subpart VV   | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references.                       |
| VT-301A/B                     | N/A                     | 40 CFR Part 63, Subpart VV   | The facility does not control air emissions from                                                                                                                  |

### 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                                                                                                                      |
|-------------------------------|-------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                               |                         |                            | oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references.                                                  |
| VT-302A/B                     | N/A                     | 40 CFR Part 63, Subpart VV | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references. |
| VT-611C                       | N/A                     | 40 CFR Part 63, Subpart VV | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references. |
| VT-630C                       | N/A                     | 40 CFR Part 63, Subpart VV | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references. |
| VT-632C                       | N/A                     | 40 CFR Part 63, Subpart VV | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references. |
| VT-633C                       | N/A                     | 40 CFR Part 63, Subpart VV | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references. |
| VT-710                        | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.               |
| VT-720                        | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.               |
| VT-721                        | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.               |
| VT-722                        | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also                                                                                            |

### 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                                                                                                        |
|-------------------------------|-------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                               |                         |                                     | subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.                                                  |
| VT-730                        | N/A                     | 40 CFR Part 60, Subpart Kb          | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G. |
| VT-731                        | N/A                     | 40 CFR Part 60, Subpart Kb          | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G. |
| VT-732                        | N/A                     | 40 CFR Part 60, Subpart Kb          | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G. |
| VT-760                        | N/A                     | 40 CFR Part 60, Subpart Kb          | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G. |
| VT-763C                       | N/A                     | 40 CFR Part 60, Subpart Kb          | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G. |
| VT-763D                       | N/A                     | 40 CFR Part 60, Subpart Kb          | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G. |
| VT-768                        | N/A                     | 30 TAC Chapter 115, Storage of VOCs | The VOC stored in this tank has a vapor pressure of less than 1.5 psia                                                        |
| VT-768                        | N/A                     | 40 CFR Part 60, Subpart Kb          | The storage tank does not have a design capacity greater than or equal to 75 cubic meters.                                    |
| VV-305B                       | N/A                     | 40 CFR Part 63, Subpart VV          | The facility does not control air emissions from oil or organic-water separators for which another                            |

### 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                                                                                                                      |
|-------------------------------|-------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                               |                         |                            | subpart of 40 CFR 60, 61, 63 references.                                                                                                    |
| VV-506B                       | N/A                     | 40 CFR Part 63, Subpart VV | The facility does not control air emissions from oil or organic-water separators for which another subpart of 40 CFR 60, 61, 63 references. |
| VV-769A                       | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.               |
| VV-769B                       | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.               |
| VV-790                        | N/A                     | 40 CFR Part 60, Subpart Kb | A Group 1 or Group 2 storage vessel that is also subject to 40 CFR 60, Subpart Kb will comply only with 40 CFR 63, Subpart G.               |
| VW-C11                        | N/A                     | 40 CFR Part 63, Subpart Q  | The cooling tower has not operated with chromium-based water treatment chemicals on or after Sept. 8, 1994.                                 |

**New Source Review Authorization References**

|                                                                          |            |
|--------------------------------------------------------------------------|------------|
| <b>New Source Review Authorization References .....</b>                  | <b>139</b> |
| <b>New Source Review Authorization References by Emission Unit .....</b> | <b>140</b> |

### New Source Review Authorization References

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

| <b>Prevention of Significant Deterioration (PSD) Permits</b>                                                                                                          |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| PSD Permit No.: PSDTX226M7                                                                                                                                            | Issuance Date: 12/15/2025    |
| <b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b> |                              |
| Authorization No.: 7699                                                                                                                                               | Issuance Date: 12/15/2025    |
| <b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>                                                                                                  |                              |
| 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: 106.371                                                                                                                                                       | Version No./Date: 09/04/2000 |
| Number: 106.393                                                                                                                                                       | Version No./Date: 09/04/2000 |
| Number: 106.472                                                                                                                                                       | Version No./Date: 09/04/2000 |
| Number: 106.476                                                                                                                                                       | Version No./Date: 09/04/2000 |
| Number: 106.511                                                                                                                                                       | 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. 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**             |
|---------------------------|--------------------------------|-----------------------------------------------|
| 006A/B/C                  | INCINERATORS/SCRUBBER          | 7699, PSDTX226M7                              |
| 006B                      | INCINERATOR - PROCESS VENT     | 7699, PSDTX226M7                              |
| 006C                      | INCINERATOR - PROCESS VENT     | 7699, PSDTX226M7                              |
| 006D/E                    | INCINERATORS/SCRUBBER          | 7699, PSDTX226M7                              |
| 006E                      | INCINERATOR - PROCESS VENT     | 7699, PSDTX226M7                              |
| 007-1                     | FUGITIVES                      | 7699, PSDTX226M7, 106.261/11/01/2003 [179481] |
| 313A                      | PVC DRYER A                    | 7699, PSDTX226M7                              |
| 313B                      | PVC DRYER B                    | 7699, PSDTX226M7                              |
| 313C                      | PVC DRYER C                    | 7699, PSDTX226M7                              |
| 313D                      | PVC DRYER D                    | 7699, PSDTX226M7                              |
| 313E                      | PVC DRYER E                    | 7699, PSDTX226M7                              |
| 313F                      | PVC DRYER F                    | 7699, PSDTX226M7                              |
| 313G                      | PVC DRYER G                    | 7699, PSDTX226M7                              |
| 313H                      | PVC DRYER H                    | 7699, PSDTX226M7                              |
| 313I                      | PVC DRYER I                    | 7699, PSDTX226M7                              |
| 415                       | EDC CRACKER NO. 3              | 7699, PSDTX226M7                              |
| 416                       | EDC CRACKER NO.4               | 7699, PSDTX226M7                              |
| 417                       | EDC CRACKER NO. 5              | 7699, PSDTX226M7                              |
| 418                       | EDC CRACKER NO. 6              | 7699, PSDTX226M7                              |
| 419                       | EDC CRACKER NO. 7              | 7699, PSDTX226M7                              |
| 420                       | EDC CRACKER NO. 8              | 7699, PSDTX226M7                              |

### New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description            | New Source Review Authorization**                                                 |
|---------------------------|-------------------------------------------|-----------------------------------------------------------------------------------|
| 999                       | COOLING TOWER                             | 7699, PSDTX226M7, 106.261/11/01/2003 [160487], 106.262/11/01/2003 [160487,172930] |
| CD-001                    | PVC OFF-GRADE DRYER                       | 7699, PSDTX226M7                                                                  |
| CT-803                    | LIQUID STABILIZER TANK                    | 7699, PSDTX226M7                                                                  |
| CT-807                    | METHYLTIN MERCAPTIDE TANK                 | 7699, PSDTX226M7                                                                  |
| HE/LE                     | HEAVY ENDS/LIGHT ENDS LOADING             | 7699, PSDTX226M7                                                                  |
| MEOH UNL                  | METHANOL TRUCK UNLOADING                  | 7699, PSDTX226M7                                                                  |
| PC-701A                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PC-701B                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PC-701C                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PC-701F                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PC-701G                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PC-701H                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PC-701I                   | RESIN STRIPPER                            | 7699, PSDTX226M7                                                                  |
| PV-301                    | VCM DECANter                              | 7699, PSDTX226M7                                                                  |
| PV-301B                   | VCM DECANter                              | 7699, PSDTX226M7                                                                  |
| PVCGEN                    | EMERGENCY GENERATOR                       | 106.511/09/04/2000                                                                |
| TC LOAD                   | VCM TANK CAR LOADING RACKS, C&D STATIONS  | 7699, PSDTX226M7                                                                  |
| TC UNLOAD                 | VCM TANK CAR UNLOADING RACKS A&B STATIONS | 7699, PSDTX226M7                                                                  |
| VCM UNIT                  | EDC CRACKING AND VCM UNIT                 | 7699, PSDTX226M7                                                                  |
| VCM UNIT                  | PROCESS-EDC CRACKING AND VCM UNIT         | 7699, PSDTX226M7                                                                  |

### New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization** |
|---------------------------|--------------------------------|-----------------------------------|
| VCMUNITWW                 | WASTEWATER                     | 7699, PSDTX226M7                  |
| VR-290                    | CATOXID REACTOR VENT           | 7699, PSDTX226M7                  |
| VT-203D                   | EDC SEPARATOR                  | 7699, PSDTX226M7                  |
| VT-203E                   | EDC SEPARATOR                  | 7699, PSDTX226M7                  |
| VT-204D                   | EDC SEPARATOR                  | 7699, PSDTX226M7                  |
| VT-204E                   | EDC SEPARATOR                  | 7699, PSDTX226M7                  |
| VT-205E                   | EDC SEPARATOR                  | 7699, PSDTX226M7                  |
| VT-208A/C                 | EDC DECANTERS                  | 7699, PSDTX226M7                  |
| VT-301A                   | DEHYDRATOR NO. 1 DECANTER      | 7699, PSDTX226M7                  |
| VT-301A/B                 | DEHYDRATOR NO. 1 DECANTER      | 7699, PSDTX226M7                  |
| VT-302A                   | DEHYDRATOR NO. 2 DECANTER      | 7699, PSDTX226M7                  |
| VT-302A/B                 | DEHYDRATOR NO. 2 DECANTER      | 7699, PSDTX226M7                  |
| VT-611C                   | MIXING TANK                    | 7699, PSDTX226M7                  |
| VT-630C                   | EDC WATER DECANTER             | 7699, PSDTX226M7                  |
| VT-632C                   | EDC STRIPPER DECANTER          | 7699, PSDTX226M7                  |
| VT-633C                   | EDC STRIPPER DECANTER          | 7699, PSDTX226M7                  |
| VT-710                    | EDC TANK                       | 7699, PSDTX226M7                  |
| VT-720                    | EDC TANK                       | 7699, PSDTX226M7                  |
| VT-721                    | EDC TANK                       | 7699, PSDTX226M7                  |
| VT-722                    | EDC TANK                       | 7699, PSDTX226M7                  |
| VT-730                    | EDC TANK                       | 7699, PSDTX226M7                  |

### New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description          | New Source Review Authorization**                                          |
|---------------------------|-----------------------------------------|----------------------------------------------------------------------------|
| VT-731                    | EDC TANK                                | 7699, PSDTX226M7                                                           |
| VT-732                    | EDC TANK                                | 7699, PSDTX226M7                                                           |
| VT-760                    | WASTE WATE TANK                         | 7699, PSDTX226M7                                                           |
| VT-763C                   | LIGHT ENDS/HEAVY ENDS TANK              | 7699, PSDTX226M7                                                           |
| VT-763D                   | LIGHT ENDS/HEAVY ENDS TANK              | 7699, PSDTX226M7                                                           |
| VT-768                    | KEROSENE TANK                           | 7699, PSDTX226M7                                                           |
| VV 752                    | STORAGE SPHERE                          | 7699, PSDTX226M7                                                           |
| VV 753                    | STORAGE SPHERE                          | 7699, PSDTX226M7                                                           |
| VV-305B                   | LIGHT ENDS COLUMN OVER HEAD ACCUMULATOR | 7699, PSDTX226M7                                                           |
| VV-506B                   | VCM DECANter                            | 7699, PSDTX226M7                                                           |
| VV-751C                   | VCM PRESSURE TANK                       | 7699, PSDTX226M7                                                           |
| VV-769A                   | HEAVY ENDS/LIGHT ENDS TANK              | 7699, PSDTX226M7                                                           |
| VV-769B                   | HEAVY ENDS/LIGHT ENDS TANK              | 7699, PSDTX226M7                                                           |
| VV-790                    | VENT GAS SPHERE                         | 7699, PSDTX226M7                                                           |
| VW-C02                    | COOLING TOWER                           | 7699, PSDTX226M7, 106.261/11/01/2003 [160486], 106.262/11/01/2003 [160486] |
| VW-C11                    | COOLING TOWER                           | 7699, PSDTX226M7, 106.261/11/01/2003 [159948], 106.262/11/01/2003 [159948] |

\*\*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..... 145**

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



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 14, 2016

MR RICK CRABTREE  
ASSISTANT GENERAL MANAGER  
FORMOSA PLASTICS CORPORATION TEXAS  
PO BOX 700  
POINT COMFORT TX 77978-0700

Re: Alternative Method of Compliance (AMOC) No. 66  
Alternative Monitoring For Cooling Towers  
Formosa Point Comfort Plant  
Regulated Entity Number: RN100218973  
Customer Reference Number: CN600130017  
Associated Permit Numbers: 7699, 19166, 19167, 19168, 19198, 19199, 19200,  
19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752,  
HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226,  
PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383,  
PSDTX1384, PSDTX226M7, PSDTX760M9, O1484, O1951, O1953, O1954, O1956,  
O1957, O1958, O3409, and O3421

Dear Mr. Crabtree:

This correspondence is in response to Formosa Plastics Corporation, Texas's (Formosa's) request for Alternative Monitoring for all cooling towers (CT) at the Formosa Point Comfort Plant. The AMOC is used to comply with requirements for sampling and analysis of VOCs in cooling tower feed water and makeup water.

We understand that Formosa is requesting clarification and confirmation of the alternative VOC sampling procedure for all authorized CT at the site installed on similar product processes (see Attachment 1). This alternative method was previously approved for Formosa on December 2, 1992, January 11, 1996, and August 1997.

The alternative VOC sampling (referenced in historical correspondence as FPC TX VOC IN WATER AND WASTEWATER) is equivalent to Test Method 8020A. The method is detailed in Attachment 2 and should provide representative concentrations of non-methane hydrocarbons to comply with the above-referenced permits. This alternative method does not apply to any requirements that may in 40 Code of Federal Regulations Part 60, New Source Performance Standards (NSPS), 40 Code of Federal Regulations Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAP), or 40 Code of Federal Regulations Part 63, Maximum Achievable Control Technology (MACT) Standards for Hazardous Air Pollutants.

December 14, 2016  
Page 2  
Mr. Rick Crabtree

Re: AMOC #66

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. 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.

This AMOC approval may supersede certain requirements or representations in Permit Nos. 7699, 19166, 19167, 19168, 19198, 19199, 19200, 19201, 20203, 40157, 76044, 76305, 91780, 107518, 107520, 127838, 128752, HAP10, PSDTX1053, PSDTX1058, PSDTX1222, PSDTX1224, PSDTX1226, PSDTX1232, PSDTX1234, PSDTX1237, PSDTX1238, PSDTX1240, PSDTX1383, PSDTX1384, PSDTX226M7, and PSDTX760M9. To ensure effective and consistent enforceability, we request that Formosa incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval, if not already included.

This approval may also change applicable requirements for the site, which are identified in the site operating permits (SOP) O1484, O1951, O1953, O1954, O1956, O1957, O1958, O3409, and O3421. 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.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,



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

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

Project Number: 255806

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Mr. Rick Crabtree

Re: AMOC #66

bcc: Air Section Manager, Region 14 - Corpus Christi  
Rebecca Partee, Manager, Chemical Section, Air Permits Division, OA: MC-163

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Mr. Rick Crabtree

Re: AMOC #66

December 14, 2016  
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Re: AMOC #66

| Attachment 1 - Summary of Cooling Towers and Authorizations |                     |                                                 |                                              |                   |
|-------------------------------------------------------------|---------------------|-------------------------------------------------|----------------------------------------------|-------------------|
| Permit Nos.                                                 | Type of Process     | Plant                                           | EPNs                                         | Previous Approval |
| 19166, HAP10, PSDTX760M9, O1951                             | Inorganic           | Utilities Plant                                 | Not identified on MAERT                      | 12/2/1992         |
| 19167, O1953                                                | Inorganic           | Caustic Chlorine Plant                          | Not identified on MAERT (shares with EDC-CT) | 1/11/1996         |
| 76044, PSDTX1053, O3421                                     | Inorganic           | Pet Coke / Coal Fired Generation                | CT-1 through CT-12                           | N/A               |
| 19168, PSDTX1226, O1958                                     | Organic Olefins     | Olefins I<br>Olefins II<br>GHU<br>PPU<br>FRACII | 1010<br>1064<br>8801U<br><br>FRACII-CT       | N/A               |
| 107518, PSDTX1383 SOP PENDING                               | Organic Olefins     | Olefins III<br>PDH                              | OL3-CTWR<br>PDH-CWTR                         | N/A               |
| 19201, PSDTX1232 O1957                                      | Organic Polyolefins | HDPE I                                          | PO-CT                                        | 1/11/1996         |
| 40157, PSDTX1222 O1957                                      | Organic Polyolefins | HDPE II                                         | PP2-CT                                       | N/A               |
| 20203, PSDTX1224 O1957                                      | Organic Polyolefins | LLDPE                                           | LL-CT                                        | 12/2/1992         |
| 107520, PSDTX1384 SOP PENDING                               | Organic Polyolefins | LDPE                                            | LD-CT                                        | N/A               |
| 19200, PSDTX1237, O1956                                     | Organic Polyolefins | Polypropylene I Plant (PP I)                    | PO-CT<br>PP1-CT                              | 1/11/1996         |
| 91780, PSDTX1240 O1956                                      | Organic Polyolefins | PP II                                           | PP20CT                                       | N/A               |
| 127838 SOP PENDING                                          | Organic Polyolefins | HDPE 3                                          | PE3-12                                       | N/A               |
| 19199, PSDTX1238 O1953                                      | Organic Other       | Ethylene Dichloride (EDC)                       | 2C-C1<br>2C-C2<br>EDC-CT                     |                   |
| 7699, PSDTX226M7 O1954                                      | Organic Other       | EDC Cracking, VCM, PVC                          | 999<br>VW-C02<br>VW-C11                      | 12/2/1992         |
| 19198, PSDTX1234 O1484                                      | Organic Other       | Ethylene Glycol (EG)                            | EG-CT                                        | 8/1997            |
| 128752 SOP PENDING                                          | Organic Other       | EG 2                                            | EG2-CT                                       | N/A               |
| 76305, PSDTX1058 O3409                                      | Organic Other       | Specialty PVC                                   | CT-01                                        | N/A               |

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Mr. Rick Crabtree

Re: AMOC #66

Mr. Wilson  
June 11, 2015

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Attachment 2

VOG in Water and Wastewater by TACB-VOG Method Procedure

Re: AMOC #66

LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Page 1 of 14

1.0 PURPOSE \*

Revision Number 0

In an effort to maintain Quality, Efficiency, Safety, and Environmental Responsibility, this procedure has been developed for L.S. & Q.A. Department Operations.

2.0 SCOPE \*

This method is for the analysis of water and wastewater samples containing Volatile Organic Compounds (VOC) and non-methane hydrocarbons (NMHC). It is intended for analyzing treated and untreated water and wastewater streams permitted in PPC expansion complex. This method can be used to quantify volatile organic compounds that have boiling points less than 200°C and are insoluble or slightly soluble in water.

3.0 ORGANIZATIONS AFFECTED

This procedure affects operation within the L.S. & Q.A. Department and any other department that may request this analysis.

4.0 RESPONSIBILITIES

| Personnel              | Responsibility                                                                                                     |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Management/Supervision | Responsible for development and implementation of the procedure, training personnel, and training of subordinates. |
| QA/QC                  | Responsible for auditing the performance of the procedure.                                                         |
| Lab Technician         | Responsible for knowing and performing analysis per procedure.                                                     |

5.0 DEFINITIONS

VOC Volatile Organic Compounds (VOC) are organic compounds that have boiling points approximately less than 200°C.

6.0 KEY POINTS

Not applicable.

Developed by L.S. & Q.A.

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Re: AMOC #66

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LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number

7.0 POLICIES \*

This procedure has been developed to ensure adherence to FPC Quality, Environmental Health and Safety Policies, FPC Corporate Total Quality Management Policies, I.S. & Q.A. Department Quality Management Plan and I.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

GC  
FID  
Volatile organic compounds (VOC) are extracted from sample by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual components are detected using a flame ionization detector. The resulting peaks are summed and quantitated against external calibration curves constructed using benzene as a standard.

Interferences

Major contaminate peaks are volatile materials in the laboratory and impurities in the inert purging or carrier gas. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol can serve as a check for any possible contamination of sample.

Safety Considerations

The use of proper personal safety glasses, and PRC should be exercised when using reagents. Exercise caution when working with glassware. Wipe any spills, clean area immediately and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water sample are collected in 40mL vial with a Teflon-lined septum and an open top screw cap. At two vials per sampling event must be collected at a minimum per sample point. The containers must be filled in such manner that no air bubbles pass through the sample as the container is being filled. Should bleeding occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (EMSL-CI, unpublished data) indicate that "pear-sized" bubbles (i.e. diameter < 1/4 in.) did not adversely affect volatile data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

Developed by: I.S. & Q.A.

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LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 5

7.0 POLICIES \*

This procedure has been developed to ensure adherence to EPC Quality, Environmental Health and Safety Policies, EPC Corporate Total Quality Management Policies, L.S. & Q.A. Department Quality Management Plan and L.S. & Q.A. Department Quality Assurance Project Plan.

8.0 GUIDELINES

Summary

GC  
FID  
Volatile organic compounds (VOC) are extracted from sample by purge and trap techniques. Stripped sample components are swept to the gas chromatograph inlet where the individual components are detected using a flame ionization detector. The resulting peaks are summed and quantitated against external calibration curve constructed using benzene as a standard.

Interferences

Major contaminant peaks are volatile materials in the laboratory and impurities in the inert purging or carrier gas. A trip blank prepared from organic-free reagent water and carried through the sampling and handling protocol can serve as a check for any possible contamination of sample.

Safety Considerations

The use of proper eye and safety glasses, and PRC should be exercised when using reagents. Exercise caution when working with glassware. Wipe any spills, clean area immediately and dispose of properly. Avoid skin or eye contact, inhalation or ingestion. Do not operate instrument without all protective equipment in place.

Sample Collection and Storage

- Water sample are collected in 40mL vial with a Teflon-lined septum and an open top screw cap. Two vials per sampling event must be collected at a minimum under sample point. The containers must be filled in such manner that no air bubble passes through the sample as the container is being filled. Should bubbling occur, the sample must be poured out and the vial refilled. Seal the vial so that no air bubbles are entrapped in it.
- Due to differing solubility and diffusion properties of gases in liquid matrices at different temperatures, it is possible for the sample to generate some headspace during storage. This headspace will appear in the form of micro-bubbles, and should not invalidate a sample for volatile analysis.
- The presence of a macro-bubble, generally indicates either improper sampling technique or a source of gas evolution within the sample. Studies conducted by the USEPA (BMSL-CI, unpublished data) indicate that "pea-sized" bubbles (i.e. diameter < 1/4 in.) did not adversely affect volatiles data. These bubbles were generally encountered in wastewater samples, which are more susceptible to variations in gas solubility than are groundwater samples.

Department: L.S. & Q.A.

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LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACH-VOC METHOD

Revision Number 3

*QC Requirements*

| QC  | DESCRIPTION                                         | FREQUENCY   | CRITERIA                                             | CORRECTIVE ACTION                                                                                                                    |
|-----|-----------------------------------------------------|-------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| MB  | Method blank; Organic-free reagent water            | 1/10 sample | < 20 ppb<br>Which is the amount of the lowest std.   | Investigate system contamination; correct the problem and reanalyze the samples.                                                     |
| ICV | Initial Calibration verification, Benzene: 100 ppb. | 1/10 sample | 20% deviation from actual value.<br>(80 ppb-120 ppb) | Check for instrument malfunction. Correct the instrument problem and reanalyze. Perform initial calibration after the third failure. |

*Calculations*

Deviation(%)

$$D = \frac{|X - T|}{T} \times 100$$

Where, D = percent deviation  
X = the observed value for the measurement  
T = actual value for the measurement

*Precision and Accuracy*

None

*Reporting*

1. Analytical reporting limit is 40 ppb (ug/L).
2. All verified results must be entered in LIMS and/or the appropriate non-routine log sheet upon completion.
3. For the purpose of reporting to applicable agencies, preliminary results from LIMS may be used to prevent greater than 48hr delay in reporting time.

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LABORATORY STANDARD OPERATING PROCEDURES

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VOC IN WATER AND WASTEWATER BY TACE-VOC METHOD

9.0 PROCEDURES

Revision Number

9.1 Standard Preparation

9.1.2 Calibration Standards

Fill 40 µL VOA vials with reagent water, taking care not to trap any air in the vial. Add the Calibration Standard (AS-B0004) to the vial using a clean microsyringe based on following list to prepare the calibration standards:

|          | Stock solution |
|----------|----------------|
| Blank    | 0.0 µL         |
| 20 ppb   | 0.8 µL         |
| 50 ppb   | 2.0 µL         |
| 100 ppb  | 4.0 µL         |
| 250 ppb  | 10.0 µL        |
| 500 ppb  | 20.0 µL        |
| 1000 ppb | 40.0 µL        |

9.1.3 Initial Calibration Verification Standard: Upon receiving the certified benzene standard (e.g. MSQ2-01-10X), transfer to a 1 mL reaction vial and cap with syringe valve. This standard may be good up to 6 months, but should be replaced if ICY follows. Fill a 40 µL VOA vial with Reagent water, taking care not to trap any air in the vial. Add 2.0 µL to the vial using a clean microsyringe for a 100 ppb std.

9.1.4 All standard preparation activities must be logged in the standards logbook.

9.2 Instrument Setup

9.2.1 GC/EID is configured as follows:

|                   |                  |
|-------------------|------------------|
| Inlet:            | Gas Helium       |
| Mode: split       | 250 °C           |
| Heater:           | 250 °C           |
| Pressure:         | 102 mL/min       |
| Total Flow:       | 102 mL/min       |
| Split ratio:      | 100              |
| Split Flow:       | 60 mL/min        |
| Column:           |                  |
| Mode:             | Carrier Pressure |
| Pressure:         | 5.9 psi          |
| Flow:             | 10.0 mL/min      |
| Average Velocity: | 60 cm/sec        |

Document: L&S G.A.

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Re: AMOC #66

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LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number

Oven:  
Setpoint: 50 °C

Oven Maximum: 300 °C  
Equilibration: 0.5 min

| Oven Ramp | °C/min | Next °C | Hold min | Run time |
|-----------|--------|---------|----------|----------|
| Initial   |        | 50      | 2.00     | 2.00     |
| Ramp 1    | 20.00  | 250     | 9.00     | 16.00    |
| Post Run  |        | 50      | 0        | 16.00    |

Detector:

Header: 280 °C  
H2 flow: 40.0 mL/min  
Air Flow: 450 mL/min  
Makeup Flow (He): 25.0 mL/min  
Flame: On

9.2.2 Purge-and-Trap (OI 4360):

Purge flow: 35 mL/min  
Purge: 1 min at 25 °C  
Desorb: 2 min at 180 °C  
Bake: 10 min at 185 °C  
Transfer line: 180 °C  
Valve: 100 °C  
Sample size: 5 mL  
Drypurge: 1 min

9.3 Re-Calibration

9.3.1 Recalibration is recommended once a year or when new ICV fails 20% recovery. Prior to re-calibration, OC and sampler must be baked out. Raise the GC oven temp to 250 °C and bake for at least 30 min. It is also necessary to cycle the purge-and-trap through one bake cycle to ensure that there are no contaminants present in the trap. After 30 min lower GC temp to 50 °C.

9.3.2 Prepare the calibration standards as outlined in 9.1.2 just prior to analysis. Load the standard vials in the correct slots of the autosampler and prepare following re-calibration sequence in the Method and Run control window of the Chemstation Software. Start the sequence by following steps from 9.4.4 to 9.4.9.

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LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

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Revision Number

Re-calibration sequence:

| Line | Vial | Sample Name | Method Name | Inj/Vial | Sample Type | Cal Level | Update RE | Update RT |
|------|------|-------------|-------------|----------|-------------|-----------|-----------|-----------|
| 1    | 1    | 20H (Blank) | TACB-VOC    | 1        | Sample      |           |           |           |
| 2    | 1    | 20 ppb      | TACB-VOC    | 1        | Calibration | 1         | Replace   | No Update |
| 3    | 1    | 50 ppb      | TACB-VOC    | 1        | Calibration | 2         | Replace   | No Update |
| 4    | 1    | 100 ppb     | TACB-VOC    | 1        | Calibration | 3         | Replace   | Replace   |
| 5    | 1    | 250 ppb     | TACB-VOC    | 1        | Calibration | 4         | Replace   | No Update |
| 6    | 1    | 500 ppb     | TACB-VOC    | 1        | Calibration | 5         | Replace   | No Update |
| 6    | 1    | 1000 ppb    | TACB-VOC    | 1        | Calibration | 6         | Replace   | No Update |

- 9.3.3 In the data analysis window of the ChemStation Software load the chromatogram for the blank (reagent water). Check to see that there are no contamination peaks. For some low level analysis, a small peak will show at the beginning of the run. This is due to pressure change in system when the sampler injects. If a calibration exists, the run should be less than two times the lower analytical limit for the analysis.
- 9.3.4 Open the calibration file and check to see that there are only two significant peaks. The first peak will be the solvent or methanol peak, it should be sharp with minimum tailing. If there are more than two peaks, the calibration stock or the reagent water is contaminated. Correct this condition and begin the calibration again.
- 9.3.5 Once the calibration file is in the software, the results must be assembled in a linear calibration curve. Display the calibration curve and check that the fit is at least  $R^2 > 0.990$ . Calculate a new area factor from the Calibration curve plot. AREA number value x amount + 0 (the number value is the slope of the calibration curve. The amount is 20). Enter this new area into the integration events table in the method file of the method.
- 9.3.6 Calibration should be used to calculate uncalibrated peaks using compound balance. The parameters should turn all the individual peak areas of chromatogram.
- 2.4 Sample Collection
- 9.4.1 **Composite Sample:** A volumetric composite is performed by combining the chilled (4°C) samples collected during a weeklong sampling event in a chilled jar that is surrounded by ice. This must be performed quickly to prevent loss of volatile component. The sample is mixed and transferred to 40mL vials.

Department: E.S. & C.A.

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# LABORATORY STANDARD OPERATING PROCEDURES VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

Revision Number 3

Note: The volumetric composite may not reflect the true emissions over a week long period due to fluctuations in flow rate of the stream to be tested.

- 9.4.2 For grab samples, directly use the vial that the sample was received in.
- 9.4.3 Load the samples in the autosampler racks noting their positions.
- 9.4.4 Bring up the window P & T 6890C (online): Method & Run control by Click Start / Program/HP Chemstation /Instrument online if it is not opened on the computer monitor.
- 9.4.5 Click Sequence/Load Sequence to load an existing sequence.
- 9.4.6 Click Sequence/Sequence Parameter to change the Subdirectory to today's date.
- 9.4.7 Click Sequence/Sequence Table to edit the sequence at the data station. Enter the sample information in a sequence file located in the data station. Be sure that the vial positions correspond with vial locations and the correct method is chosen for the analysis.

Following sequence table is an example:

| Line | Vial | Sample Name   | Method Name | Injection Volume | Sample Type |
|------|------|---------------|-------------|------------------|-------------|
| 1    | 1    | MB(Blank)     | TACB-VOC    | 1                | Sample      |
| 2    | 1    | ICV           | TACB-VOC    | 1                | Sample      |
| 3    | 1    | OL1 CWR 2/5   | TACB-VOC    | 1                | Sample      |
| 4    | 1    | OL1 CWR 2/5   | TACB-VOC    | 1                | Sample      |
| 5    | 1    | OL2 CWR 2/5   | TACB-VOC    | 1                | Sample      |
| 6    | 1    | OL2 CWR 2/5   | TACB-VOC    | 1                | Sample      |
| 7    | 1    | GHU CWR 2/5   | TACB-VOC    | 1                | Sample      |
| 8    | 1    | GHU CWR 2/5   | TACB-VOC    | 1                | Sample      |
| 9    | 1    | T971 2/1-2/7  | TACB-VOC    | 1                | Sample      |
| 10   | 1    | ST971 2/1-2/7 | TACB-VOC    | 1                | Sample      |
| 11   | 1    | CWTP 2/1-2/7  | TACB-VOC    | 1                | Sample      |
| 12   | 1    | LLDPH CWR 2/5 | TACB-VOC    | 1                | Sample      |
| 13   | 1    | MB            | TACB-VOC    | 1                | Sample      |
| 14   | 1    | ICV           | TACB-VOC    | 1                | Sample      |
| 15   | 1    | Sample A      | TACB-VOC    | 1                | Sample      |
| 16   | 1    | Sample B      | TACB-VOC    | 1                | Sample      |

Note: Method blank and calibration verification need be run every 10 samples.

- 9.4.8 Press Run Sequence button. Now system is ready and waiting for Purge-and-trap device to start.
- 9.4.9 Purge-and-trap device preparation:  
(1) Push SPL Button on the front panel, the window will show: L551 start:      end;  
(2) Set the start and end positions that need match with actual sample position and run sequence, use arrow ON button and OFF button to switch between start and end, then use keypad to key in position number.

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LABORATORY STANDARD OPERATING PROCEDURES

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VOC IN WATER AND WASTEWATER BY TAG-VOC METHOD

Revision Number

(1) Press Enter key, then press Clear button, then press Start button to run the sequence.

- 9.4.10 Once data have been generated, check that the chromatograms have been integrated correctly. Samples that are 10 % out of the analytical range for the determination must be diluted and re-analyzed using the appropriate methodology (See table 1).

10.0 TRAINING REQUIREMENTS

Personnel who perform this analysis will be required to complete the following training requirements:

| Period                                  | Requirement                               |
|-----------------------------------------|-------------------------------------------|
| Initial                                 | SOP Training, Test, and Job Qualification |
| Annual Refresher and Procedure Revision | SOP Training and Test                     |
| Audit Finding                           | SOP Training, Test, and Job Qualification |

11.0 FLOWCHART

Not applicable.

12.0 REFERENCES

1. "Guidelines for Preparation of Pollution Guidelines and Procedures," PPC TQM Manual.
2. Test Method for Hazardous Solid Waste (SW-846), "Determinative Chromatographic Separations," Revision 3, March 2003, Method 80001.
3. Test Method for Hazardous Solid Waste (SW-846), "Tag and Tag for Aqueous Samples," Revision 3, May 2003, Method 80002.
4. Test Method for Hazardous Solid Waste (SW-846), "Organic Analysis," Revision 4, February 2003, Chapter 10, Section I, (for sample storage).

13.0 RECORD RETENTION PERIOD

Reports produced using this procedure will be retained for a period of at least 5 years.

14.0 ATTACHMENTS

Figure 1: Chromatogram of Calibration Standard and Sample Run  
Attachment 1: TMSD Approval Letter

Department: L.S. & Q.A.

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LABORATORY STANDARD OPERATING PROCEDURES  
VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD

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TABLE 1. Examples of sample dilution

Add the required amount of high concentration sample to a 50 mL volumetric flask, and then bring level to exact 50 mL with organic-free reagent water.

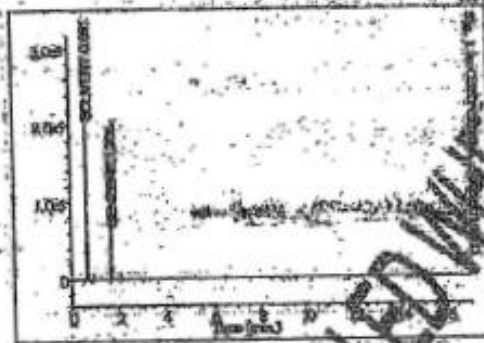
| Dilution factor | High concentration sample | Total volume |
|-----------------|---------------------------|--------------|
| 30000           | 1.67 $\mu$ L              | 50 mL        |
| 20000           | 2.5 $\mu$ L               | 50 mL        |
| 10000           | 5 $\mu$ L                 | 50 mL        |
| 5000            | 10 $\mu$ L                | 50 mL        |
| 4000            | 12.5 $\mu$ L              | 50 mL        |
| 3000            | 16.7 $\mu$ L              | 50 mL        |
| 2000            | 25 $\mu$ L                | 50 mL        |
| 1000            | 50 $\mu$ L                | 50 mL        |
| 500             | 100 $\mu$ L               | 50 mL        |
| 400             | 125 $\mu$ L               | 50 mL        |
| 300             | 167 $\mu$ L               | 50 mL        |
| 200             | 250 $\mu$ L               | 50 mL        |
| 100             | 500 $\mu$ L               | 50 mL        |
| 90              | 556 $\mu$ L               | 50 mL        |
| 80              | 625 $\mu$ L               | 50 mL        |
| 70              | 714 $\mu$ L               | 50 mL        |
| 60              | 833 $\mu$ L               | 50 mL        |
| 50              | 1 mL                      | 50 mL        |
| 40              | 1.25 mL                   | 50 mL        |
| 30              | 1.67 mL                   | 50 mL        |
| 20              | 2.5 mL                    | 50 mL        |
| 10              | 5 mL                      | 50 mL        |
| 5               | 10 mL                     | 50 mL        |
| 2               | 25 mL                     | 50 mL        |

Figure 1: Sample Chromatogram  
Calibration Standard Run

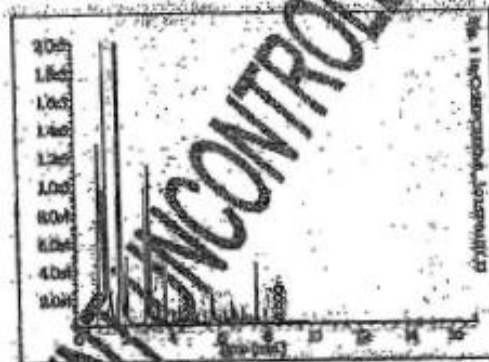
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**LABORATORY STANDARD OPERATING PROCEDURES**  
**VOC IN WATER AND WASTEWATER BY TACB-VOC METHOD**



Sample Run



Attachment 1r TNRC Approval Letter

The next page is a copy of the approval letter from the TNRC.

**Appendix A**

**Acronym List ..... 163**

## Acronym List

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

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

**Appendix B**

**Major NSR Summary Table ..... 165**

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                                |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|--------------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)                | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                                |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
| 006A, B, C                            | Incinerator/Scrubbers (6) (12) | VOC                      | 0.32           | 1.41    | 10, 11, 12, 13, 15, 38, 39                | 10, 11, 12, 13, 15, 31, 32, 33, 34, 39    | 11, 13, 15, 39                            |
|                                       |                                | NO <sub>x</sub>          | 4.24           | 18.60   |                                           |                                           |                                           |
|                                       |                                | SO <sub>2</sub>          | 0.01           | 0.02    |                                           |                                           |                                           |
|                                       |                                | PM                       | 1.24           | 5.43    |                                           |                                           |                                           |
|                                       |                                | PM <sub>10</sub>         | 1.24           | 5.43    |                                           |                                           |                                           |
|                                       |                                | PM <sub>2.5</sub>        | 1.24           | 5.43    |                                           |                                           |                                           |
|                                       |                                | CO                       | 0.89           | 3.88    |                                           |                                           |                                           |
|                                       |                                | Cl <sub>2</sub>          | 2.01           | 8.80    |                                           |                                           |                                           |
|                                       |                                | HCl                      | 1.03           | 4.51    |                                           |                                           |                                           |
|                                       |                                | VCM                      | 1.43           | 6.26    |                                           |                                           |                                           |
|                                       |                                | EDC                      | (8)            | (8)     |                                           |                                           |                                           |
| 006D, E                               | Incinerator/Scrubbers (7) (12) | VOC                      | 0.52           | 2.02    | 10, 11, 12, 13, 15, 38, 39                | 10, 11, 12, 13, 15, 31, 32, 33, 34, 39    | 11, 13, 15, 39                            |
|                                       |                                | NO <sub>x</sub>          | 3.07           | 13.05   |                                           |                                           |                                           |
|                                       |                                | SO <sub>2</sub>          | 0.01           | 0.02    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                  |                          |                |         | Issuance Date: December 15, 2025          |                                            |                                           |
|---------------------------------------|------------------|--------------------------|----------------|---------|-------------------------------------------|--------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)  | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                 | Reporting Requirements                    |
|                                       |                  |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information  | Special Condition/Application Information |
|                                       |                  | PM                       | 0.70           | 3.07    |                                           |                                            |                                           |
|                                       |                  | PM <sub>10</sub>         | 0.70           | 3.07    |                                           |                                            |                                           |
|                                       |                  | PM <sub>2.5</sub>        | 0.70           | 3.07    |                                           |                                            |                                           |
|                                       |                  | CO                       | 7.66           | 32.99   |                                           |                                            |                                           |
|                                       |                  | Cl <sub>2</sub>          | 2.90           | 12.46   |                                           |                                            |                                           |
|                                       |                  | HCl                      | 2.17           | 9.32    |                                           |                                            |                                           |
|                                       |                  | VCM                      | 0.14           | 0.54    |                                           |                                            |                                           |
|                                       |                  | EDC                      | (8)            | (8)     |                                           |                                            |                                           |
| 007-1                                 | Fugitives (5)    | VOC                      | 0.88           | 3.84    | 17, 18, 19, 20, 39, 40, 41, 43, 46, 50    | 17, 18, 19, 20, 39, 40, 41, 43, 46, 49, 50 | 17, 39, 40, 41, 43, 44, 48                |
|                                       |                  | Cl <sub>2</sub>          | 0.01           | 0.05    |                                           |                                            |                                           |
|                                       |                  | HCl                      | 0.31           | 1.38    |                                           |                                            |                                           |
|                                       |                  | VCM                      | 1.04           | 4.54    |                                           |                                            |                                           |
|                                       |                  | EDC                      | 1.52           | 6.66    |                                           |                                            |                                           |
| 209A                                  | Catalyst Hoppers | PM                       | 0.07           | 0.03    | 7, 8, 9                                   | 8, 9                                       |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                                                   |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|---------------------------------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)                                   | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                                                   |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       | Cyclone Separator Bag Filters                     | PM <sub>10</sub>         | 0.07           | 0.03    |                                           |                                           |                                           |
|                                       |                                                   | PM <sub>2.5</sub>        | 0.07           | 0.03    |                                           |                                           |                                           |
| 209D                                  | Catalyst Hoppers<br>Cyclone Separator Bag Filters | PM                       | 0.07           | 0.03    | 7, 8, 9                                   | 8, 9                                      |                                           |
|                                       |                                                   | PM <sub>10</sub>         | 0.07           | 0.03    |                                           |                                           |                                           |
|                                       |                                                   | PM <sub>2.5</sub>        | 0.07           | 0.03    |                                           |                                           |                                           |
| 312                                   | Silos (9)                                         | PM                       | 0.59           | 2.60    | 7                                         |                                           |                                           |
|                                       |                                                   | PM <sub>10</sub>         | 0.59           | 2.60    |                                           |                                           |                                           |
|                                       |                                                   | PM <sub>2.5</sub>        | 0.59           | 2.60    |                                           |                                           |                                           |
| 313A-N<br>313A-S                      | PVC A Dryer Stacks (11)                           | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                                                   | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                                                   | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                                                   | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |
|                                       |                                                   | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313B-N                                | PVC B Dryer Stacks                                | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                            |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|----------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)            | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                            |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
| 313B-S                                | (11)                       | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313C-N<br>313C-S                      | PVC C Dryer Stacks<br>(11) | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                            | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313D-N<br>313D-S                      | PVC D Dryer Stacks<br>(11) | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                            | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |
|                                       |                            | VCM                      | 1.80           | —       |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                         |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|-------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)         | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                         |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
| 313E-N<br>313E-S                      | PVC E Dryer Stacks (11) | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                         | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313F-N<br>313F-S                      | PVC F Dryer Stacks (11) | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                         | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313G-N<br>313G-S                      | PVC G Dryer Stacks (11) | VOC                      | 2.06           | —       | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                         | PM                       | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | PM <sub>10</sub>         | 1.07           | —       |                                           |                                           |                                           |
|                                       |                         | PM <sub>2.5</sub>        | 1.07           | —       |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                       |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|-----------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)       | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                       |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                       | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313H                                  | PVC Dryer H           | VOC                      | 2.06           | —       | 4, 7, 15, 39                              | 4, 15, 39                                 | 4, 15, 39                                 |
|                                       |                       | PM                       | 0.98           | —       |                                           |                                           |                                           |
|                                       |                       | PM <sub>10</sub>         | 0.98           | —       |                                           |                                           |                                           |
|                                       |                       | PM <sub>2.5</sub>        | 0.98           | —       |                                           |                                           |                                           |
|                                       |                       | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313I                                  | PVC Dryer I           | VOC                      | 8.87           | —       | 4, 7, 15, 39                              | 4, 15, 39                                 | 4, 15, 39                                 |
|                                       |                       | PM                       | 0.98           | —       |                                           |                                           |                                           |
|                                       |                       | PM <sub>10</sub>         | 0.98           | —       |                                           |                                           |                                           |
|                                       |                       | PM <sub>2.5</sub>        | 0.98           | —       |                                           |                                           |                                           |
|                                       |                       | VCM                      | 1.80           | —       |                                           |                                           |                                           |
| 313A through 313I                     | PVC Dryers A – I (10) | VOC                      | —              | 35.04   | 4, 7, 39                                  | 4, 39                                     | 4, 39                                     |
|                                       |                       | PM                       | —              | 35.48   |                                           |                                           |                                           |
|                                       |                       | PM <sub>10</sub>         | —              | 35.48   |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                                      |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|--------------------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)                      | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                                      |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                                      | PM <sub>2.5</sub>        | —              | 35.48   |                                           |                                           |                                           |
|                                       |                                      | VCM                      | —              | 16.75   |                                           |                                           |                                           |
| 415                                   | EDC Cracker No. 3                    | VOC                      | 0.29           | 1.29    | 5, 7                                      | 5                                         |                                           |
|                                       |                                      | NO <sub>x</sub>          | 3.30           | 14.45   |                                           |                                           |                                           |
|                                       |                                      | SO <sub>2</sub>          | 0.03           | 0.14    |                                           |                                           |                                           |
|                                       |                                      | PM                       | 0.57           | 2.35    |                                           |                                           |                                           |
|                                       |                                      | PM <sub>10</sub>         | 0.57           | 2.35    |                                           |                                           |                                           |
|                                       |                                      | PM <sub>2.5</sub>        | 0.57           | 2.35    |                                           |                                           |                                           |
|                                       |                                      | CO                       | 1.93           | 8.43    |                                           |                                           |                                           |
| 416                                   | EDC Cracker No. 4 and Hot Oil Heater | VOC                      | 0.29           | 1.29    | 5, 7                                      | 5                                         |                                           |
|                                       |                                      | NO <sub>x</sub>          | 3.30           | 14.45   |                                           |                                           |                                           |
|                                       |                                      | SO <sub>2</sub>          | 0.03           | 0.14    |                                           |                                           |                                           |
|                                       |                                      | PM                       | 0.41           | 1.78    |                                           |                                           |                                           |
|                                       |                                      | PM <sub>10</sub>         | 0.41           | 1.78    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                   |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|-------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)   | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                   |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                   | PM <sub>2.5</sub>        | 0.41           | 1.78    |                                           |                                           |                                           |
|                                       |                   | CO                       | 1.93           | 8.43    |                                           |                                           |                                           |
| 417                                   | EDC Cracker No. 5 | VOC                      | 0.29           | 1.29    | 5, 7                                      | 5                                         |                                           |
|                                       |                   | NO <sub>x</sub>          | 3.30           | 14.45   |                                           |                                           |                                           |
|                                       |                   | SO <sub>2</sub>          | 0.03           | 0.14    |                                           |                                           |                                           |
|                                       |                   | PM                       | 0.75           | 3.30    |                                           |                                           |                                           |
|                                       |                   | PM <sub>10</sub>         | 0.75           | 3.30    |                                           |                                           |                                           |
|                                       |                   | PM <sub>2.5</sub>        | 0.75           | 3.30    |                                           |                                           |                                           |
|                                       |                   | CO                       | 1.93           | 8.43    |                                           |                                           |                                           |
| 418                                   | EDC Cracker No. 6 | VOC                      | 0.29           | 1.29    | 5, 7                                      | 5                                         |                                           |
|                                       |                   | NO <sub>x</sub>          | 3.30           | 14.45   |                                           |                                           |                                           |
|                                       |                   | SO <sub>2</sub>          | 0.03           | 0.14    |                                           |                                           |                                           |
|                                       |                   | PM                       | 0.75           | 3.30    |                                           |                                           |                                           |
|                                       |                   | PM <sub>10</sub>         | 0.75           | 3.30    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                   |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|-------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)   | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                   |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                   | PM <sub>2.5</sub>        | 0.75           | 3.30    |                                           |                                           |                                           |
|                                       |                   | CO                       | 1.93           | 8.43    |                                           |                                           |                                           |
| 419                                   | EDC Cracker No. 7 | VOC                      | 0.36           | 1.59    | 5, 7                                      | 5                                         |                                           |
|                                       |                   | NO <sub>x</sub>          | 4.06           | 17.80   |                                           |                                           |                                           |
|                                       |                   | SO <sub>2</sub>          | 0.04           | 0.17    |                                           |                                           |                                           |
|                                       |                   | PM                       | 0.50           | 2.20    |                                           |                                           |                                           |
|                                       |                   | PM <sub>10</sub>         | 0.50           | 2.20    |                                           |                                           |                                           |
|                                       |                   | PM <sub>2.5</sub>        | 0.50           | 2.20    |                                           |                                           |                                           |
|                                       |                   | CO                       | 2.37           | 10.38   |                                           |                                           |                                           |
| 420                                   | EDC Cracker No. 8 | VOC                      | 0.53           | 2.32    | 5, 6, 7, 15                               | 5, 6, 15                                  | 15                                        |
|                                       |                   | NO <sub>x</sub>          | 2.97           | 13.00   |                                           |                                           |                                           |
|                                       |                   | SO <sub>2</sub>          | 0.06           | 0.25    |                                           |                                           |                                           |
|                                       |                   | PM                       | 0.73           | 3.21    |                                           |                                           |                                           |
|                                       |                   | PM <sub>10</sub>         | 0.73           | 3.21    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                 |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|-----------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2) | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                 |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                 | PM <sub>2.5</sub>        | 0.73           | 3.21    |                                           |                                           |                                           |
|                                       |                 | CO                       | 4.95           | 21.66   |                                           |                                           |                                           |
| 801 through 803                       | PVC Compounding | VOC                      | 5.40           | 1.70    | 7                                         |                                           |                                           |
|                                       |                 | PM                       | 2.28           | 10.00   |                                           |                                           |                                           |
|                                       |                 | PM <sub>10</sub>         | 2.28           | 10.00   |                                           |                                           |                                           |
|                                       |                 | PM <sub>2.5</sub>        | 0.01           | 0.05    |                                           |                                           |                                           |
| 999                                   | Cooling Tower   | VOC                      | 1.39 (5)       | 6.08    | 14, 39                                    | 14, 39                                    | 39                                        |
|                                       |                 | VCM                      | 0.23 (5)       | 1.01    |                                           |                                           |                                           |
|                                       |                 | EDC                      | 0.23 (5)       | 1.01    |                                           |                                           |                                           |
|                                       |                 | PM                       | 1.92           | 8.40    |                                           |                                           |                                           |
|                                       |                 | PM <sub>10</sub>         | 0.70           | 3.05    |                                           |                                           |                                           |
|                                       |                 | PM <sub>2.5</sub>        | 0.01           | 0.02    |                                           |                                           |                                           |
|                                       |                 | HOCl                     | 0.01           | 0.01    |                                           |                                           |                                           |
| VW-CO2                                | Cooling Tower   | PM                       | 0.93           | 4.09    | 14, 39                                    | 14, 39                                    | 39                                        |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                        |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                        |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                        | PM <sub>10</sub>         | 0.34           | 1.49    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | HOCl                     | 0.01           | 0.01    |                                           |                                           |                                           |
| BF-901A                               | BT-901A Silo Bagfilter | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| BF-901B                               | BT-901B Silo Bagfilter | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| CF-803A                               | CT-810A Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.09           | 0.41    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |                                           |                                           |                                           |
| CF-803B                               | CT-810B Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.09           | 0.41    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                        |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                        |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |                                           |                                           |                                           |
| CF-803C                               | CT-810C Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.09           | 0.41    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |                                           |                                           |                                           |
| CF-803D                               | CT-810D Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.09           | 0.41    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |                                           |                                           |                                           |
| CF-805A                               | CT-818A Silo Bagfilter | PM                       | 0.11           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CF-805C                               | CT-818C Silo Bagfilter | PM                       | 0.11           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CF-812                                | Oversize PVC Bagfilter | PM                       | 0.30           | 0.51    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                        |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                        |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CF-813A                               | CT-817A Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CF-813B                               | CT-817B Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CF-813C                               | CT-817C Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CF-813D                               | CT-817D Silo Bagfilter | PM                       | 0.09           | 0.41    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                        |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                        |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
| CT-811A                               | Calcium Carbonate Tank | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-811B                               | Calcium Carbonate Tank | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-811C                               | Calcium Carbonate Tank | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-811D                               | Calcium Carbonate Tank | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-814A                               | Titanium Dioxide Tank  | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                          |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|--------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)          | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                          |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-814B                               | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                          | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-814C                               | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                          | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| CT-814D                               | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    | 7                                         |                                           |                                           |
|                                       |                          | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| PF582                                 | Vacuum System Bag Filter | PM                       | 0.17           | 0.71    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                          | PM <sub>10</sub>         | 0.01           | 0.01    |                                           |                                           |                                           |
|                                       |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |                                           |                                           |                                           |
| PF-601I                               | PT-601I Silo Bagfilter   | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                        |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                        |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-601J                               | PT-601J Silo Bagfilter | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-606A                               | PT-606A Silo Bagfilter | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-606B                               | PT-606B Silo Bagfilter | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-606C                               | PT-606C Silo Bagfilter | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                        | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                                  |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|----------------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)                  | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                                  |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
| PF-607A                               | PT-607A Silo Bagfilter           | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-607B                               | PT-607B Silo Bagfilter           | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-607C                               | PT-607C Silo Bagfilter           | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-607D                               | PT-607D Silo Bagfilter           | PM                       | 0.03           | 0.12    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |                                           |                                           |                                           |
|                                       |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |                                           |                                           |                                           |
| PF-608A                               | PT-607A/B Rotary Valve Bagfilter | PM                       | 0.03           | 0.08    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                                  | PM <sub>10</sub>         | 0.03           | 0.08    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                                  |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|----------------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)                  | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                                  |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                                  | PM <sub>2.5</sub>        | 0.03           | 0.08    |                                           |                                           |                                           |
| PF-608B                               | PT-607C/D Rotary Valve Bagfilter | PM                       | 0.03           | 0.08    | 7, 8, 9, 36                               | 8, 9, 36                                  |                                           |
|                                       |                                  | PM <sub>10</sub>         | 0.03           | 0.08    |                                           |                                           |                                           |
|                                       |                                  | PM <sub>2.5</sub>        | 0.03           | 0.08    |                                           |                                           |                                           |
| PT-421                                | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    | Proj:246330, 12/23/2015, Page 142         | Proj:246330, 12/23/2015, Page 142         |                                           |
| PT-422                                | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    | Proj:246330, 12/23/2015, Page 142         | Proj:246330, 12/23/2015, Page 142         |                                           |
| PT-423                                | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    | Proj:246330, 12/23/2015, Page 142         | Proj:246330, 12/23/2015, Page 142         |                                           |
| PT-424                                | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    | Proj:246330, 12/23/2015, Page 142         | Proj:246330, 12/23/2015, Page 142         |                                           |
| PT-425                                | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    | Proj:246330, 12/23/2015, Page 142         | Proj:246330, 12/23/2015, Page 142         |                                           |
| PT-426                                | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    | Proj:246330, 12/23/2015, Page 142         | Proj:246330, 12/23/2015, Page 142         |                                           |
| VC-641G                               | Decoke Scrubber                  | PM                       | 22.30          | 0.36    | 7, 27, 28                                 | 27, 28                                    | 27, 28                                    |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                      |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|----------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)      | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                      |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                      | PM <sub>10</sub>         | 22.30          | 0.36    |                                           |                                           |                                           |
|                                       |                      | PM <sub>2.5</sub>        | 0.04           | 0.01    |                                           |                                           |                                           |
|                                       |                      | CO                       | 0.05           | 0.01    |                                           |                                           |                                           |
| VC-641D                               | Decoke Scrubber      | PM                       | 19.69          | 1.03    | 7, 27, 28                                 | 27, 28                                    | 27, 28                                    |
|                                       |                      | PM <sub>10</sub>         | 19.69          | 1.03    |                                           |                                           |                                           |
|                                       |                      | PM <sub>2.5</sub>        | 0.04           | 0.01    |                                           |                                           |                                           |
|                                       |                      | CO                       | 0.03           | 0.01    |                                           |                                           |                                           |
| VC-641H                               | Decoke Scrubber      | PM                       | 22.30          | 0.36    | 7, 27, 28                                 | 27, 28                                    | 27, 28                                    |
|                                       |                      | PM <sub>10</sub>         | 22.30          | 0.36    |                                           |                                           |                                           |
|                                       |                      | PM <sub>2.5</sub>        | 0.04           | 0.01    |                                           |                                           |                                           |
|                                       |                      | CO                       | 0.05           | 0.01    |                                           |                                           |                                           |
| VR-290                                | Catoxid Reactor Vent | VOC                      | 0.08           | 0.01    | 7                                         |                                           |                                           |
|                                       |                      | NO <sub>x</sub>          | 3.33           | 0.13    |                                           |                                           |                                           |
|                                       |                      | SO <sub>2</sub>          | 0.01           | 0.01    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7 |                  |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|---------------------------------------|------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                | Source Name (2)  | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                       |                  |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
|                                       |                  | PM                       | 2.50           | 0.10    |                                           |                                           |                                           |
|                                       |                  | CO                       | 79.00          | 3.16    |                                           |                                           |                                           |
| VT-611A                               | Groundwater Tank | VOC                      | 0.01           | 0.01    | 35                                        | 35                                        |                                           |
| VT-680                                | Wastewater Tank  | VOC                      | 0.10           | 0.14    | 35, 39                                    | 35, 39                                    | 39                                        |
|                                       |                  | VCM                      | 0.11           | 0.14    |                                           |                                           |                                           |
|                                       |                  | EDC                      | 0.08           | 0.12    |                                           |                                           |                                           |
| VT-768                                | Kerosene Tank    | VOC                      | 0.70           | 0.01    | 35                                        | 35                                        |                                           |
| VW-C11                                | Cooling Tower    | VOC                      | 0.50 (5)       | 2.19    | 14, 39                                    | 14, 39                                    | 39                                        |
|                                       |                  | VCM                      | 1.25 (5)       | 5.48    |                                           |                                           |                                           |
|                                       |                  | EDC                      | 0.25 (5)       | 1.10    |                                           |                                           |                                           |
|                                       |                  | PM                       | 2.08           | 9.10    |                                           |                                           |                                           |
|                                       |                  | PM <sub>10</sub>         | 0.75           | 3.30    |                                           |                                           |                                           |
|                                       |                  | PM <sub>2.5</sub>        | 0.01           | 0.02    |                                           |                                           |                                           |
|                                       |                  | HOCl                     | 0.01           | 0.01    |                                           |                                           |                                           |

**Major NSR Summary Table**

| Permit Number(s): 7699 and PSDTX266M7    |                         |                          |                |         | Issuance Date: December 15, 2025          |                                           |                                           |
|------------------------------------------|-------------------------|--------------------------|----------------|---------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Emission Point No. (1)                   | Source Name (2)         | Air Contaminant Name (3) | Emission Rates |         | Monitoring and Testing Requirements       | Recordkeeping Requirements                | Reporting Requirements                    |
|                                          |                         |                          | lb/hr          | TPY (4) | Special Condition/Application Information | Special Condition/Application Information | Special Condition/Application Information |
| Maintenance, Startup, and Shutdown (MSS) |                         |                          |                |         |                                           |                                           |                                           |
| PVC-MNT                                  | Emissions to Atmosphere | VOC                      | 502.10         | 2.80    | 7, 32, 33, 35                             | 7, 31, 32, 33, 34, 35                     |                                           |
|                                          |                         | PM                       | 16.70          | 0.31    |                                           |                                           |                                           |
|                                          |                         | PM <sub>10</sub>         | 16.70          | 0.31    |                                           |                                           |                                           |
|                                          |                         | PM <sub>2.5</sub>        | 16.70          | 0.31    |                                           |                                           |                                           |
| VCM-MNT                                  | Emissions to Atmosphere | VOC                      | 1972.00        | 14.70   | 7, 32, 33, 35                             | 7, 31, 32, 33, 34, 35                     |                                           |
|                                          |                         | PM                       | 5.50           | 0.21    |                                           |                                           |                                           |
|                                          |                         | PM <sub>10</sub>         | 2.59           | 0.10    |                                           |                                           |                                           |
|                                          |                         | PM <sub>2.5</sub>        | 0.39           | 0.02    |                                           |                                           |                                           |
|                                          |                         | HCl                      | 90.00          | 1.31    |                                           |                                           |                                           |

- (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 Special Condition 1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> -total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub>-particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide

Cl<sub>2</sub> - chlorine  
HCl - hydrogen chloride  
VCM -vinyl chloride monomer  
EDC - ethylene dichloride

- (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) EPNs 006A, B, and C represents three separate emissions points. Emissions shown are the maximum allowable rates for the three incinerator/scrubber trains combined.
- (7) The EPNs 006D and E represent two separate emissions points. Emissions shown are the maximum allowable rates for the two incinerator/scrubber trains combined.
- (8) Total EDC emissions for Incinerator/Scrubber Systems 006A through 006E (EPNs 006A, B, C, D, and E) are 0.713 pounds per hour and 3.032 tons per year.
- (9) Combined emissions rate for the following product storage silos (1,000-ton capacity) and loading silos (100 ton capacity): PT-602A through E, PT-602G, PT-603, CT-818B, and CT-818D.
- (10) Cumulative annual emission rate limits for all PVC dryers.
- (11) Dryers 313A through 313G each have identical adjacent vent stacks. Allowable emission rates shown are totals for both stacks combined.
- (12) Includes MSS emissions.



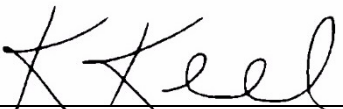
## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*  
**Formosa Plastics Corporation, Texas**  
*Authorizing the Construction and Operation of*  
**Formosa Point Comfort Plant**  
*Located at Point Comfort, Calhoun County, Texas*  
*Latitude 28.6888 Longitude -96.5472*

Permit: 7699, PSDTX226M7

Revision Date: December 15, 2025

Expiration Date: October 24, 2029

  
\_\_\_\_\_  
For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] <sup>1</sup>
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

1. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources-- Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]<sup>1</sup>
2. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]
3. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
4. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
5. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
6. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
7. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.<sup>1</sup>

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

## Common Acronyms in Air Permits

°C = Temperature in degrees Celsius  
 °F = Temperature in degrees Fahrenheit  
 °K = Temperature in degrees Kelvin  
 µg = microgram  
 µg/m<sup>3</sup> = 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  
 GLC<sub>max</sub> = 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  
 H<sub>2</sub>CO = formaldehyde  
 H<sub>2</sub>S = hydrogen sulfide  
 H<sub>2</sub>SO<sub>4</sub> = 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 H<sub>2</sub>O = 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  
 m<sup>3</sup> = 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<sub>x</sub> = 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 PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> = particulate matter equal to or less than 2.5 microns in diameter  
 PM<sub>10</sub> = total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 POC = products of combustion  
 ppb = parts per billion  
 ppm = parts per million  
 ppmv = parts per million (by) volume  
 psia = pounds (per) square inch, absolute  
 psig = pounds (per) square inch, gage  
 PTE = potential to emit  
 RA = relative accuracy  
 RATA = relative accuracy test audit  
 RM = reference method  
 RVP = Reid vapor pressure  
 scf = standard cubic foot or feet  
 scfm = standard cubic foot or feet (per) minute  
 SCR = selective catalytic reduction  
 SIL = significant impact levels  
 SNCR = selective non-catalytic reduction  
 SO<sub>2</sub> = sulfur dioxide  
 SOCM = 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

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1. This permit covers only those emissions from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT) and the facilities covered by this permit are authorized to emit only the air contaminants on that table subject to the emission rates limits and other conditions specified in this permit.

In general, VOC refers to volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1. With respect to VOC emission limits contained in the MAERT, the following exceptions apply:

- A. For any emission point where the MAERT specifies a limit for ethylene dichloride (EDC), the VOC emission limit contained in the MAERT for such emission point does not include EDC.
  - B. For any emission point where the MAERT specifies a limit for vinyl chloride (VCM), the VOC emission limit contained in the MAERT for such emission point does not include VCM.
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. 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 those listed below:
    - A. Safety relief valves in VOC service that discharge to the atmosphere and were installed prior to August 11, 1992.
    - B. V-10, V-11, 790-1, 790-2, 455A, 455B, 455C, 455D, 455E, 455F, 704-C1, and 704 C2 (listed in the company letter dated December 15, 1996).
    - C. RV C302B1, RV-302B2, and RV-E301C.
    - D. RV-508B, RV-503B, RV-502C, RV-C401G1, PSV-1169-1, PSV-1169-2, PSV 2015 1, PSV-2015-2, PSV-2029-1, PSV-2029-2, PSV-2039, PSV-1155, PSV 2057-1, PSV 2057 2, PSV-1598-1, PSV-1598-2, PSV-1124-1, PSV1124-2, and PSV-1125 (listed in the amendment application dated November 1998).
    - E. RM-T763E, RM-T763F, RM-T769A, RM-T769B, RV-E270D, RV-E271D, RV E271D2, RV R290D, RV-T768, RV-V207D, RV-V810F, RV-V810G, RV V810H, RV 810-I, RV 810J, RV-810K, and RV-810L (listed in the amendment application dated July 1999).
    - F. RV-701G, RV-701H, RV-7041-1, and RV-7041-2 (listed in the amendment application dated December 29, 2000).
    - G. RV-E502C, RV-505C, RV-520C, RV-SR03E1-17, RV-SR03F1-16, RV-461G, RV 462G, RV-V422, RV-E321C, RV-E321D, RV-C304B, RV-E320B, and PSV 1134 (listed in the amendment application dated March 28, 2003).
    - H. RV-780-A, RV-780-B, RV-780-C, RV-702C-1, RV-702C-2, RV-702C-3, RV 630D 1, RV-630D-2, RV-C402H-1, RV-C402H-2, RV-R401H-1, RV-R401H-2, RV-C401H-1, RV-C401H-2, RV-E401H1-A, RV-E401H1-B, RV-E401H2-A, RV E401H2-B, RV V422H-1, RV-V422H-2, RV-V403B1.
    - I. RV-1124E, RV-1125E, RV-1134E, RV-1136E, RV-1153E, RV-1251E, RV-1255E, RV-1264E, RV-1265E, RV-1426E, RV-1427E, RV-1437E, RV-1598E, RV-2015E, RV-2021E, RV-2029E, RV-2034E, RV-2039E, RV-2054E, RV-2057E, RV-2060E, RV-2088E, RV-502D, RV-505D,

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RV-630E, RV-C303C1, RV-C303C2, RV-C303C3, RV-E502D1, RV-520D (listed in the amendment application dated September 21, 2017, as updated).

3. The ethylene dichloride (EDC) cracking, vinyl chloride monomer (VCM), and polyvinylchloride (PVC) processing facilities are authorized to manufacture no more than 900,000 short tons per year (tpy) of PVC.

## VOC Residual Control

4. The residual vinyl chloride monomer (RVCM) concentration in the stripper slurry is limited to 75 parts per million by weight (ppmw) on a daily average and 20 ppmw on a rolling 12-month average. The annual averages shall be computed by adding the daily averages and dividing by the number of production days.

A quarterly screening of each PVC product measured at the stripper bottoms and dryer outlet will be tested for methanol to assure compliance with the maximum allowable emissions rate table and this standard. The permit holder shall use the test method developed for methanol that was submitted to the Texas Commission on Environmental Quality (TCEQ) for approval on December 29, 2006. The non-VCM VOC residual differential across the dryer as determined by the sample method shall not exceed 200 ppmw on a daily average and 50 ppmw on a rolling 12-month average.

The rolling 12-month average shall be calculated for the stripper slurry RVCM and total VOC concentration on a monthly basis in accordance with Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61), Subpart F or TCEQ-approved procedure. Records of the sample results for each resin grade and rolling 12-month average RVCM and total VOC concentrations shall be maintained.

## Cracking Furnaces

5. The permittee shall burn only natural gas as a fuel in combustion sources designated as Emission Point Nos. (EPNs) 415, 416, 417, 418, 419, and 420. These combustion sources shall be equipped with oxygen (O<sub>2</sub>) monitors.
6. The EDC Cracker No. 7 (EPN 419) shall be equipped with Low-Nitrogen Oxides (NO<sub>x</sub>) burners emitting no more than 0.06 pound NO<sub>x</sub> per million British thermal units (MMBtu) on an hourly average. EDC Cracker No. 8 (EPN 420) shall emit no more than 0.03 pound NO<sub>x</sub> per MMBtu on an hourly average.

## Particulate Control

7. There shall be no visible emissions exceeding 30 seconds in any six-minute period as determined using U.S. Environmental Protection Agency (EPA) Test Method 22 from any vent from the facilities authorized by this permit.
8. The vents covered by this permit that are controlled by baghouses shall not operate unless control devices and associated equipment are maintained in good working order and operating. Each vent shall be inspected for visible emissions once per day following the procedure in EPA Test Method 22 with a one minute observation period. If there are any visible emissions from a bag house or cyclone, a full (six-minute) EPA Test Method 22 observation shall be completed. The results of the inspections shall be recorded.

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9. A weekly inspection of the bag houses shall be performed which includes: inspection for leaks, pulse-air check, and exhaust inspection for emissions. Records shall be maintained of all inspections and maintenance performed. Inspections are not required when weather conditions prohibit safe access to bag house but will be documented on weekly checklist. Detailed maintenance inspections will be performed every six months or whenever visual checks indicate that maintenance may be necessary. Records shall be maintained of all inspections and maintenance performed.

## Process Vent Controls

10. The incinerators (EPNs 006A/006B/006C and 006D/006E) shall operate with no less than 99.975 percent efficiency in disposing of ethylene dichloride (EDC) and 99.95 percent efficiency in disposing of other carbon compounds captured by the collection system on an hourly average.
11. The six minute average temperature and six minute average oxygen concentration in the incinerators shall be at greater than the respective hourly average maintained during satisfactory stack testing to be completed no later than October 15, 2006, as required by Special Condition No. 15. The interim six minute average firebox exit temperature in the incinerators shall be a minimum 1668° F until the completion of the stack test.
  - A. The incinerator fire box exit temperature shall be continuously monitored and recorded when waste gas is directed to the incinerator. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature 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  $\pm 2.5^{\circ}\text{C}$ .
  - B. The oxygen analyzer shall continuously monitor and record oxygen concentration when waste gas is directed to the oxidizer. It shall reduce the oxygen readings to an averaging period of 6 minutes or less and record it at that frequency. The oxygen analyzer shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified Performance Specification No. 3, 40 CFR Part 60, Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days. A weekly calibration shall be performed prior to that date.

The analyzer shall be quality-assured at least semiannually using cylinder gas audits (CGAs) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2, with the following exception: a relative accuracy test audit is not required once every four quarters (i.e., two successive semiannual CGAs may be conducted). An equivalent quality assurance method approved by the TCEQ may also be used. Successive semiannual audits shall occur no closer than four months. Necessary corrective action shall be taken for all CGA exceedances of  $\pm 15$  percent accuracy and any continuous emissions monitoring system downtime in excess of 5 percent of the incinerator operating time. These occurrences and corrective actions shall be reported to the appropriate TCEQ Regional Director on a quarterly basis. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.
  - C. Quality assured (or valid) data must be generated when waste gas is directed to the incinerator except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the incinerator operated over the previous rolling 12 month

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period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

12. The pH of incinerator scrubbing solutions and the solution flow rates shall be maintained at levels not less than those maintained during the required stack testing. The pH shall be continuously analyzed and recorded at least once every 6 minutes. Each monitoring device shall be cleaned and calibrated every two weeks using hydraulic, chemical, or mechanical cleaning. The pH meter shall be accurate to within + 0.5 pH unit. The liquid flow rate shall be monitored and recorded at least once an hour. The flow monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent, and shall be accurate to within 2 percent of span or 5 percent of the design value.

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

13. The following requirements apply to capture systems for each incinerator/scrubber system designated as EPNs 006A, B, C and 006D, E.

A. 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.

B. The control device shall not have a bypass.

or

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

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

A deviation shall be reported if the monitoring or inspections indicate bypass of the control device.

C. If any of the above inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.

## Cooling Towers

14. The following requirements apply to the cooling towers (EPNs 999, VW-C02, and VW-C11) and associated heat exchange systems. As used in this Special Condition, the term "VOC" means VOC as defined in 30 TAC 101.1, except that VOC does not include VCM or EDC.

- A. Emissions of EDC, VCM and VOC from heat exchange systems associated with the cooling towers shall be minimized as follows:

- (1) The permit holder shall continuously monitor the flow of cooling water at each inlet of the cooling tower. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent, and shall be accurate to within 5 percent.
- (2) The cooling tower inlet and outlet water shall be sampled twice per day following a sampling method consistent with EPA Method 601, except that the method detection limit (MDL) shall be no greater than 5 parts per billion by weight (ppbw) for EDC and 5 ppbw for VCM. The permit holder shall obtain approval from the TCEQ Executive Director for the sampling procedure, and for any significant revisions to the sampling procedure. The requirements of this subparagraph shall not be superseded by any contrary provision of AMOC 66.

The TCEQ Executive Director has approved the sampling method submitted to the TCEQ Air Permits Division by letter dated August 1, 2018, entitled "*Formosa Plastics Corporation, Texas — EPA Method 601 Purgeable Halocarbons (Revision Number 06)*."

- (3) The EDC content of inlet water to the cooling towers shall be continuously monitored with a gas chromatograph and pH probes shall be installed downstream of critical heat exchangers.

A gas chromatograph shall satisfy the requirements of Sections 8.3, 10, 13.1, and 13.2 of 40 CFR Part 60, Appendix B, Performance Specification 9 ("PS-9"). The multi-point calibration procedure in Section 10.1 of PS-9 must be performed at least once every calendar quarter instead of once every month. Daily calibration under PS-9, Section 10.2 is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

- (4) A leak is a measured differential concentration (inlet concentration – outlet concentration) of EDC, VCM, or VOC determined using the sampling methods in subparagraph A(2) which exceeds the following values:
  - (a) EPNs 999: 5 ppbw EDC, 5 ppbw VCM, or 30 ppbw VOC.
  - (b) EPN VW-C11: 5 ppbw EDC, 25 ppbw VCM, or 10 ppbw VOC.
- (5) Leaks shall be repaired at the earliest opportunity but no later than 45 calendar days after a leak is detected. A leak is repaired once the measured differential concentration of each air contaminant specified in subparagraph A(4) is less than the applicable value contained therein.
- (6) Emissions of EDC, VCM, or VOC from a cooling tower are not authorized if the following occur:
  - (a) the measured differential concentration of EDC, VCM, or VOC exceeds ten times any of the applicable values in subparagraph A(4); and
  - (b) The following occurs with respect to a particular air contaminant:
    - i. With respect to VOC, the measured concentration exceeds the level specified in item (a) for 48 hours or longer; or the measured concentration exceeds 800 ppbw in any sample.
    - ii. With respect to EDC, the measured concentration exceeds the level specified in item (a) for 48 hours or longer; or total emissions of EDC from

the cooling tower exceed the applicable reportable quantity (RQ) during a 24-hr period.

- iv. With respect to VCM, total emissions of VCM from the cooling tower exceed the applicable RQ during a 24-hr period; and the flow-weighted average concentration exceeds the level specified in item (a) during a 24-hr period.
- (7) Compliance with the annual (tpy) limits in Special Condition 1 for VOC, EDC and VCM from the cooling towers shall be determined using sampling data collected as required by subparagraph A(2).
- (8) Each monitoring system required by this paragraph shall be operated as required by this paragraph at least 95% of the time when the cooling tower is operational, averaged over a calendar year. The percent measurement data availability must be calculated as the total operating hours of the cooling tower heat exchange system for which valid quality-assured data was recorded divided by the total operating hours of the cooling tower heat exchange system. Time required for normal calibration checks required under this subsection is not considered downtime for purposes of this calculation.
- (9) Cooling tower (EPN VW-C02) is exempt from the monitoring requirements of this paragraph A, except that sampling under subparagraph A(2) shall be performed at such times as may be required by the TCEQ Executive Director. Prior to placing into service any heat exchanger returning water to VW-C02, where such exchanger contacts process streams other than non-VOC refrigerant, the permit holder shall obtain a permit amendment or alteration to include VOC monitoring requirements for cooling tower VW-C02.

B. Emissions of particulate from each cooling tower shall be controlled and monitored as follows:

- (1) Each cooling tower shall be equipped with drift eliminators having manufacturer's design assurance of 0.001% drift or less. Drift eliminators shall be maintained and inspected at least annually. The permit holder shall maintain records of all inspections and repairs.
- (2) Total dissolved solids (TDS) shall not exceed 4150 ppmw. Dissolved solids in the cooling water drift are considered to be emitted as PM, PM<sub>10</sub>, and PM<sub>2.5</sub> as represented in the permit application calculations.
- (3) Cooling towers shall be analyzed for particulate emissions using one of the following methods:
  - (a) Cooling water shall be sampled at least once per day for TDS;
  - (b) TDS sampling may be reduced to weekly if conductivity is monitored daily and TDS is calculated using a ratio of TDS-to-conductivity (in ppmw per  $\mu$ mho/cm or ppmw/siemen). The ratio of TDS-to-conductivity shall be determined by concurrently sampling TDS and monitoring conductivity on a weekly basis. The permit holder may use the average of two consecutive TDS-to-conductivity ratios to calculate daily TDS;
  - (c) TDS sampling may be reduced to quarterly if conductivity is monitored daily and TDS is calculated using a correlation factor established for each cooling tower. The correlation factor shall be the average of four consecutive weekly TDS-to-conductivity ratios determined following section (3)(b), provided that the highest ratio is not more than 10% greater than the smallest ratio.

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- (d) The permit holder shall validate the TDS-to-conductivity correlation factor semi-annually. If the ratio of concurrently sampled TDS and conductivity differs from the established factor by more than 10%, the permit holder shall increase the TDS sampling to weekly until a new correlation factor is established.
- (4) Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.
  - (a) The method of analysis for TDS shall be EPA Method 160.1, ASTM D5907, and SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection, and transferred to a laboratory area for analysis.
  - (b) The method of analysis for conductivity shall be ASTM D1125-95A (or more recent revision) for field or routine laboratory testing, and ASTM D1125-95B (or more recent revision) for a continuous monitor. Any continuous monitor shall be installed, operated, maintained and calibrated in accordance with the manufacturer's specifications.
  - (c) Alternate sampling and methods of analysis may be used to comply with this paragraph with the written approval of the TCEQ Regional Director.
  - (d) Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.
- (5) Emission rates of PM, PM<sub>10</sub> and PM<sub>2.5</sub> shall be calculated using the measured or estimated TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.

**Sampling of Emission Points**

15. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from PVC Dryer PD-501H (EPN 313H), Incinerator/Scrubber Systems (EPNs 006A or 006B, 006C, 006D, and 006E), and EDC Cracker No. 8 (EPN 420) and demonstrate compliance with Special Condition Nos. 1, 6, and 10. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and the EPA Reference Methods.

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

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

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

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

- B. Air contaminants emitted from PVC Dryer PD-501H (EPN 313H) to be tested for include (but are not limited to) VOC, VCM, and particulate matter (PM).

Air contaminants emitted from the Incinerator/Scrubber Systems (EPNs 006A or 006B, 006C, 006D, and 006E) to be tested for include (but are not limited to) VOC, hydrogen chloride, and chlorine.

Air contaminants emitted from EDC Cracker No. 8 to be tested for include (but are not limited to) NO<sub>x</sub> and CO.

- C. Sampling of EDC Cracker No. 8 shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the facility. Stack sampling of the incinerator and scrubbers and PVC dryer shall be repeated at five-year intervals in accordance with parts A, B, and D of this condition. The PVC Dryer I (EPN 313I) may be sampled in lieu of PVC Dryer PD-501H (EPN 313H) at any five-year interval. Air contaminants emitted from the dryers may be limited to VCM and PM. Sampling shall also occur at such other times as may be required by the TCEQ Executive Director and requests for additional time to perform sampling shall be submitted to the appropriate TCEQ Regional Office.

- D. The facility being sampled shall operate at maximum production/firing rates during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

During subsequent operations, if the production/firing rate exceeds that maintained during the test period, stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.

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

One copy to the appropriate TCEQ Regional Office.

- 16. The strippable VOC associated with VCM wastewater shall be sampled immediately after the stripper and analyzed at least weekly with an approved air stripping system or equivalent. If the sampling results show emissions above the maximum allowable emission rate, the cause shall be investigated and corrected and the wastewater shall be resampled within 24 hours. Every

reasonable effort shall be made to repair the faulty component within 15 days after the exceedance has been noted.

The results of the monitoring and corrective actions shall be recorded, and such records shall be maintained for a period of two years. The permit holder may reduce this sampling frequency to monthly after ten samples have been taken and the required operating conditions for the wastewater stripper have been established to ensure the wastewater emissions are controlled.

### **Fugitive Emission Monitoring**

#### **18. Piping, Valves, Connectors, Pumps, Agitators, and Compressors in VOC Service — 28VHP**

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

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

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

- (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 American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. 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, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

- (1) A cap, blind flange, plug, or second valve must be installed on the line or valve; or
- (2) The open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72 hour period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

- G. 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. If a relief valve is equipped with rupture disc, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

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

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

- H. 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.

- J. 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 and a record of the attempt shall be maintained.
- K. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of 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.
- L. 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% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.
- M. 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.
- N. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
- O. Requirements in paragraphs B–E pertaining to new and reworked connections are meant to apply to major significant changes in piping. Insignificant activities exempt from requirements B–E pertaining to new and reworked connections include, but are not limited to: installation/replacement of small number of valves and flanges; minor repairs; gasket replacement; and repair/replacement of small sections of piping. Additionally, the requirement for new and reworked buried connectors to be welded does not apply if compliance would

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require a process unit shutdown or would create a safety issue including, but not limited to, close proximity of other process pipelines and equipment or unsafe access to the piping.

This paragraph M shall not be construed to authorize the replacement or modification of any component in compliance with requirements of paragraphs B–E with a component which is not in compliance with paragraphs B–E.

19. A leak definition of 250 ppmv shall be used in lieu of the VOC concentration shown in SC 17 subparagraph E.(2), and H. This leak definition also applies to connectors monitored according to SC 19.

20. 28CNTQ

In addition to the weekly physical inspection required by Item E of Special Condition No. 17, all accessible connectors in gas/vapor and light liquid service shall be monitored quarterly with an approved gas analyzer in accordance with Items F through J of Special Condition No. 17.

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

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

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

- B. The percent of connectors leaking used in paragraph B shall be determined using the following formula:

$$(Cl + Cs) \times 100/Ct = Cp$$

Where:

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

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

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

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

21. This condition applies to piping, valves, pumps, and compressors in hydrochloric acid and chlorine service.

- A. Audio, olfactory, and visual checks for hydrochloric acid and chlorine leaks within the operating area shall be made once a shift.

- B. Immediately, but no later than two hours 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.

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- (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 TCEQ upon request.

22. Reserved.
23. Reserved.
24. Reserved.
25. Reserved.

## Maintenance Practices

26. Reserved.
27. The concentration of EDC in the equipment vapor space shall be no more than 5 percent of the equipment volume at standard temperature and pressure, or the quantity of EDC shall be no greater than 27 pounds, whichever is less, prior to opening any equipment directly to the atmosphere. This condition shall apply to all equipment larger than 1,250 gallons containing at least 10 percent EDC by weight with the exception of storage tanks in EDC service having capacities greater than 56,000 gallons. These storage tanks will be required to meet the 5 percent requirement.
28. EDC furnace decoking emissions shall be routed to a water scrubber for particulate control. Proper operation of the scrubber shall be verified prior to the decoking evolution. Records shall be maintained documenting the operation check and the emissions from each decoke.
29. Within 60 days of the completion of changes associated with the amendment, PI-1 dated July 29, 2005, the holder of this permit shall submit to the TCEQ Corpus Christi Regional Office documentation which demonstrates how compliance with all the conditions of this permit will be achieved. This documentation shall consist of a statement explaining how each requirement in a condition will be met. It shall include samples of all record sheets required to be maintained by permit conditions and applicable NESHAPS and NSPS subparts and a listing of all testing required with anticipated test dates.

## VCM Loading

30. All railcars loaded with VCM shall be pressure rated and have a current certification in accordance with the U.S. Department of Transportation (DOT) pressure test requirements of 49 CFR § 173.31 for railcars. The permit holder shall keep records of the identification number of each railcar, the pressure rating, the date the railcar last passed the DOT pressure test, and the date of the next required pressure test. A hard pipe connection shall be used between the railcar and loading rack during VCM loading operations. All railcars shall be vapor-balanced to the VCM pressure vessels during loading operations.

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**Maintenance, Startup, and Shutdown (MSS)**

31. This permit authorizes air emissions from the planned maintenance, startup, and shutdown (MSS) activities identified in the following table performed at the facilities authorized by this permit.

| <b>Facilities</b>     | <b>Description/ Emissions Activity</b>                           | <b>EPN</b>        |
|-----------------------|------------------------------------------------------------------|-------------------|
| All facilities*       | Depressurize and purge to control                                | 006 A, B, C, D, E |
| All facilities*       | Degas facilities to atmosphere after control                     | PVC-MNT, VCM-MNT  |
| All facilities*       | Fill and/or vent to control during startup                       | 006 A, B, C, D, E |
| Baghouses/bag filters | Repair, replace, maintain                                        | PMV-MNT, VCM-MNT  |
| Vacuum trucks         | Load and transport liquid to support MSS on permanent facilities | PMC-MNT, VCM-MNT  |
| Instruments/analyzers | Maintenance and calibrations                                     | PVC-MNT, VCM-MNT  |
| All facilities        | Sampling and sight glass cleaning                                | PVC-MNT, VCM-MNT  |

\* - all facilities include piping

In addition, planned MSS emissions emitted from routine emission points are authorized provided the emissions are compliant with the respective MAERT allowable emission rates and special conditions. This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: vacuum trucks and control devices meeting the requirements of Special Condition 38. 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 facilities authorized by this permit, and (c) does not operate as a replacement for an existing authorized facility.

32. This permit authorizes the emissions from the facilities identified in Special Condition 30 for the planned MSS activities summarized in the MSS Activity Summaries (Attachments A, B and C) attached to this permit.

Attachment A identifies the inherently low emitting MSS activities that may be performed at the site. 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 identified in Attachment C and the emissions associated with it shall be recorded and include at least the following information:

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- A. The process unit at which emissions from the MSS activity occurred, including the emission point number and common name of the process unit;
- B. The type of planned MSS activity and the reason for the planned activity;
- C. The common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
- D. The date and time of the MSS activity and its duration;
- E. The estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, PI-1 dated January 3, 2008, and 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.

33. Except for storage tanks, instrumentation/analyzer maintenance and vacuum trucks, process units and facilities shall be depressurized, degassed, and placed back into service in accordance with the following requirements.

- A. The process equipment shall be vented to a control device or a controlled recovery system during depressurization.
- B. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment or commencing depressurization, degassing and/or maintenance. Equipment that only contains material with VOC partial pressure less than 0.50 psi at the normal process temperature and 95°F may be opened to the atmosphere after liquids are removed as required by this condition. 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. Equipment containing only water in the liquid phase is not required to be drained as long as the remaining requirements of this condition are satisfied. **(12/25)**
- C. If mixed phase materials must be removed from process equipment during depressurization, liquids removal, or degassing, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. Any vents in the knockout drum or equivalent must be routed to a control device or a controlled recovery system. Control must remain in place while mixed phase material removal is being performed.
- D. Facilities shall be degassed using practices that 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. Records shall be maintained of the control device or recovery system utilized with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.
- E. After degassing in accordance with Special Condition 32.D, the VOC concentration in the facilities being degassed shall be verified to be below 10,000 ppmv or less than 10 percent of the lower explosive limit (LEL) using one of the methods below prior to opening directly to atmosphere.
  - (1) For MSS activities other than process unit startup, shutdown, hydroblasting, or turnaround, 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) Documentation shall be maintained of the locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the purge gases. If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system before the vent stream may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition 33. 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 less than 10 percent of the lower explosive limit (LEL). Documented plant 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.

- F. 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 or incinerator).
- (3) There is no more than 50 lb of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.
- (4) Emissions of ethylene dichloride must be included in the records required by this condition.

Except as noted in Attachment A, all instances of venting directly to atmosphere per Special Condition 32.F must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the activity record for those planned MSS activities.

34. Air contaminant concentration shall be measured using an instrument/detector meeting one of the following methods:

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

- (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 5 minutes, recording VOC concentration each minute. The highest measured VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.

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- B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.
- (1) The air contaminant concentration measured must be less than 80 percent of the range of the tube. If the maximum range of the tube is greater than the release concentration defined in (3) the concentration measured must be at least 20 percent of the maximum range of the tube.
  - (2) The tube is used in accordance with the manufacturer's guidelines.
  - (3) At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:  
measured contaminant concentration (ppmv) < release concentration.  
Where the release concentration is:  
10,000\*mole fraction of the total air contaminants present in the gas stream that can be detected by the tube.  
The mole fraction of the total air contaminants present in the gas stream that can be detected by the tube may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.  
Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.
- C. Lower explosive limit measured with a lower explosive limit detector.
- (1) The detector shall be calibrated monthly with a certified propane gas standard at 50% of the lower explosive limit (LEL) for propane. 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% 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 50% of the LEL for propane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for propane.
- D. As an alternative to an instrument/detector, the analysis may be conducted in a laboratory. Bag samples of the gas discharged may be drawn and taken to a Formosa laboratory to be analyzed by gas chromatography (GC). A minimum of two bag samples shall be drawn approximately ten minutes apart. A Tedlar bag, or a bag appropriate for the material to be sampled, shall be used and shall have a valve to seal gas in the bag. The samples shall be drawn as follows:
- (1) The sample point on the equipment being cleared shall be purged sufficiently to ensure a representative sample at the sample valve.
  - (2) The sample bag shall be connected directly to the sample valve.
  - (3) The sample valve and sample bag shall be opened to allow the bag to fill to approximately 80% of capacity. The sample connections shall be fitted such that no air is drawn into the sample bag.
  - (4) The two valves shall then be closed to seal the sample in the bag.
  - (5) The sample bag shall then be disconnected and placed in a dark container out of direct sunlight for transport to the analyzer.

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(6) This process is repeated to collect additional samples.

(7) The sample shall be analyzed within 12 hours of collection.

The laboratory GC shall meet or exceed the requirements of 40 CFR 60, Appendix A, Method 18 Sections 6 (Equipment and Supplies), 7 (Reagents and Standards), 9 (Quality Control), and 10 (Calibration and Standards). An alternative laboratory method may be approved by the TCEQ Regional Office upon request. The sample shall be analyzed per Section 8.2.1.1.2 of Method 18, except the analysis does not need to be performed in triplicate. The highest measured VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.

35. 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. 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 and the truck identifier (bill of lading or other unique identifier). 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 pump exhaust is controlled with a control device other than an engine or oxidizer, records shall be maintained of VOC exhaust concentration upon commencing each transfer, at the end of each transfer, and at least every hour during each transfer, measured using an instrument meeting the requirements of Special Condition 33.
  - (4) The volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.
- D. The permit holder shall determine the vacuum truck emissions each month using the daily vacuum truck records and the calculation methods utilized in the permit application. If records of the volume of liquid transferred for each pick-up are not maintained, the emissions shall be determined using the physical properties of the liquid vacuumed with the greatest potential emissions. Rolling 12 month vacuum truck emissions shall also be determined on a monthly basis.

36. This permit authorizes emissions from fixed roof storage tanks. The following requirements apply.

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- A. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at 95°F, controlled degassing shall be completed as follows:
- (1) Any gas or vapor removed 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 storage tank when degassing to the control device or controlled recovery system.
  - (2) The vapor space 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.
  - (3) A volume of purge gas equivalent to twice the volume of the vapor space must have passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-up air introduced into the control device or recovery system. The VOC sampling and analysis shall be performed as specified in Special Condition 33.
  - (4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.
  - (5) Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.
- B. The tank shall not be opened or ventilated without control, except as allowed by (1) or (2) below until one of the criteria in part C of this condition is satisfied.
- (1) Minimize air circulation in the tank vapor space.
    - (a) One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. Other manways or access points may be opened as necessary to remove or de-volatilize the remaining liquid. Wind barriers shall be installed at all open manways and access points to minimize air flow through the tank.
    - (b) Access points shall be closed when not in use
  - (2) Minimize time and VOC partial pressure.
    - (a) The VOC partial pressure of the liquid remaining in the tank shall not exceed 0.044 psi as documented by the method specified in part C.(1) of this condition;
    - (b) Records shall be maintained of the duration of uncontrolled ventilation, and the date and time all standing liquid was removed from the tank.
- C. The tank may be opened without restriction and ventilated without control, after all standing liquid has been removed from the tank or the liquid remaining in the tank has a VOC partial pressure less than 0.02 psia. These criteria shall be demonstrated in any one of the following ways.
- (1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if

practicable. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.

- (2) If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:
  - (a) Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR 435 Subpart A Appendix 1.
  - (b) Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1000 ppmw using EPA method 1664 (may also use 8260B or 5030 with 8015 from SW-846).
  - (c) Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1000 ppmv through the procedure in Special Condition 33.
- (3) No standing liquid verified through visual inspection.

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

- D. The occurrence of each degassing and the associated emissions shall be recorded and the rolling 12-month tank 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 maintenance;
    - (3) for the purpose of estimating emissions, the date, time, and other information specified for each of the following events:
      - (a) all liquid was pumped from the tank to the extent practical,
      - (b) start and completion of controlled degassing, and total volumetric flow,
      - (c) 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,
      - (d) if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,
    - (4) the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events b and d with the data and methods used to determine it. The emissions associated with fixed roof storage tank activities shall be calculated using the methods described in the permit application.
37. Bag filter maintenance shall be performed in a manner to minimize particulate matter emissions and minimize down time.
  38. 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.
  39. Control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions

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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 process or to a collection system that is vented through a control device meeting the requirements of this permit condition.

- A. The plant Incinerator/Scrubber system (EPNs: 006 A, B, C, D, E) shall operate as specified in Special Conditions 10 through 13.
- B. Reserved.

## Federal Applicability

40. These facilities shall comply with the following EPA regulations:

- A. All applicable requirements of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories (a.k.a. Maximum Achievable Control Technology, Subparts A and HHHHHHH, Polyvinyl Chloride and Copolymers Production (PVC MACT), with the exception listed in subparagraph B.
- B. Compliance with the emission standards and requirements related to process vents which have been under reconsideration by EPA since of September 28, 2012 is not required. This exception shall remain in effect until such time as EPA finalizes the reconsideration process, after which the process vents must comply with all promulgated standards of the PVC MACT.

## Ambient Monitoring

41. The holder of this permit, at the permittee's expense, shall continue operation and maintenance of the community ambient air monitoring system as summarized in the table in this condition pursuant to 30 TAC §101.8. A copy of the measured sampling results shall be provided to the TCEQ on a quarterly basis. If a condition of air pollution related to EDC emissions is determined by the TCEQ consistent with the requirements of §382.025 of the Texas Clean Air Act, additional controls may be required. Biannually, FPC TX may petition the Executive Director to discontinue the community ambient air monitoring requirements (as specified in Special Conditions 41 through 51).

The following community ambient air sampling systems will be operated and maintained consistent with applicable guidelines of the quality assurance/quality control procedures as described in EPA's Quality Assurance Handbook for Air Pollution Measurement Systems (EPA-454/B-17-001).

| Monitor Name            | Type of Monitor | Location                                                                         | Monitoring Frequency           |
|-------------------------|-----------------|----------------------------------------------------------------------------------|--------------------------------|
| PC FTIR                 | FTIR            | Formosa Guesthouse in Point Comfort near intersection of Pease St. and Clark St. | 30 minute average data         |
| PC Plant <sup>(2)</sup> | Summa Canister  | Formosa Parking Lot South of Formosa Plant Gate 1 on FM1593                      | Every Other Day <sup>(1)</sup> |
| City Hall               | Summa Canister  | City Hall at 102 Jones Street                                                    | Every Sixth Day <sup>(1)</sup> |
| City Park               | Summa Canister  | On the Northeast side of the City Park on Lamar Street                           | Every Sixth Day <sup>(1)</sup> |
| Formosa                 | Summa           | FTDC on Lamar Street                                                             | Every Sixth                    |

| Training/Development Center (FTDC) | Canister       |                                                                | Day <sup>(1)</sup>              |
|------------------------------------|----------------|----------------------------------------------------------------|---------------------------------|
| North FTIR                         | FTIR           | FM1593 approximately 3 miles North of FM1593/SH35 intersection | 30 minute average data          |
| North                              | Summa Canister | FM1593 approximately 3 miles North of FM1593/SH35 intersection | Once Every Month <sup>(1)</sup> |

- (1) The permit holder shall obtain and analyze 24-hour samples collected by the Summa canisters for five compounds: Ethylene Dichloride, Vinyl Chloride, Benzene, 1,3-Butadiene and Ethylene at the monitoring frequency identified above.
  - (2) The data collected by the PC Plant Summa canister, which is located inside the FPC TX property, will be used to determine concentrations representative of potential maximum public exposure at the nearest residence.
  - (3) The Summa canister systems shall operate with a data return of at least 75%.
42. The permit holder shall operate the Fourier-Transform Infrared (FTIR) monitoring systems consisting of two open path FTIR analyzers continuously. A data collection system shall be installed which does the following:
- A. Compiles five-minute, rolling 30-minute, 24-hour calendar day, and annual averages for benzene, 1,3-butadiene, vinyl chloride, ethylene dichloride, ethylene, ethylene oxide, and hydrogen chloride;
  - B. Graphically displays monitored levels of each reported compound as well as contemporaneous wind speed and wind direction;
  - C. Provides secure internet access to the graphical displays of the FTIR monitoring results to TCEQ staff in Austin and the Corpus Christi Regional Office;
  - D. Determines the operating status of the monitoring system;
  - E. Permanently stores and quantifies all five-minute spectral data, for a period of at least five (5) years; and
  - F. Is capable of retrieving five-minute spectral data for any compound monitored for later evaluation.
  - G. The monitoring system shall operate with a data return of at least 75%.
43. The FTIR monitoring system shall detect off-property concentrations of compounds as listed in the following paragraphs:
- A. Tier 1: The permit holder shall automatically be notified in the event that any single 5-minute average concentration in Table 1 is exceeded. The permit holder shall monitor the data, determine whether elevated levels are continuing, and respond appropriately to mitigate conditions resulting in the reported levels.

Table 1  
Tier 1: Preliminary Notification

| Compound | FTIR Trigger Level<br>5-minute average (ppbv) |
|----------|-----------------------------------------------|
| Benzene  | 120                                           |

|                     |     |
|---------------------|-----|
| 1,3-Butadiene       | 40  |
| Ethylene            | 500 |
| Ethylene dichloride | 100 |
| Ethylene oxide      | 70  |
| Hydrogen chloride   | 14  |
| Vinyl chloride      | 25  |

- B. Tier 2: In addition to the routine Summa canister monitoring required by Special Condition 41,
- 1) For the PC FTIR a one-hour event Summa canister sample at the PC Plant shall be automatically activated in the event that any 30-minute rolling average FTIR trigger level listed in Table 2 is exceeded.
  - 2) For the North FTIR, a one-hour event Summa canister sample at the North site shall be automatically activated in the event that any 30-minute rolling average FTIR trigger level listed in Table 2 is exceeded.
  - 3) One (1) one-hour event Summa canister shall be available at each station in a state of readiness for this activation. The event Summa canister shall be retrieved and exchanged with new event Summa canisters within 48 hours of activation.

Table 2

Tier 2: Canister Activation

| Compound            | FTIR Trigger Level<br>Rolling 30-minute average (ppbv) |
|---------------------|--------------------------------------------------------|
| Benzene             | 60                                                     |
| 1,3-Butadiene       | 25                                                     |
| Ethylene            | 500                                                    |
| Ethylene dichloride | 50                                                     |
| Vinyl chloride      | 25                                                     |

- C. The one-hour event Summa canister located at the PC Plant station shall be capable of being activated by the FTIR per the Tier 2 trigger level above or activated by the permit holder. The four other one-hour event canisters at the remaining stations shall be capable of being activated by the FTIR system computer or by the permit holder. TCEQ Region staff can request that one or more one-hour event canisters be activated by contacting the Shift Safety Coordinator at (361) 987-7000.
- D. All event Summa canisters shall collect 1-hour samples. All samples are to be analyzed, at a minimum, for benzene, vinyl chloride, ethylene, ethylene dichloride, and 1,3-butadiene.
- E. All routine and event Summa canister samples shall be analyzed by a laboratory accredited by the State of Texas under the National Environmental Laboratory Accreditation Program (NELAP). The following requirements shall be met:
- (1) The laboratory shall use Method TO-14 in EPA's Compendium of Methods For The Determination of Toxic Organic Compounds in Ambient Air (EPA-600/4-84-041) or Method TO-15 in EPA's Compendium of Methods for the Determination of Toxic

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Organic Compounds in Ambient Air (EPA-625/R-96/010b) or any revision or update to these Methods as approved by the US EPA or the TCEQ.

- (2) The permit holder shall instruct the laboratory to hold all Tier 2 trigger event canisters for at least 10 days after collection to provide the TCEQ the opportunity to re-analyze the samples if it is deemed necessary.
44. The permit holder shall obtain a one-hour event PC SUMMA canister sample when a reportable emissions event occurs at the Vinyl Plant if the emissions event results in increased emissions of ethylene dichloride and the wind is blowing in the direction of Point Comfort from the Vinyl plant. The samples shall be analyzed to determine the concentrations of ethylene dichloride. Samples shall be taken as soon as practicable, but not later than 24 hours after the discovery of an emissions event in the Vinyl Plant.
45. The permit holder shall notify the TCEQ Regional Air Section Manager within one working day in the event that a rolling 30-minute average concentration measured by the FTIR exceeds the greater of 3-times the respective Tier 1 trigger level or 2-times the respective Tier 2 trigger level.
46. The permit holder shall provide internet access codes for the TCEQ (for the duration of the monitoring) to remotely access raw or unverified FTIR data.
47. A meteorological monitoring station shall be collocated with the FTIR monitors. This station shall have a ten-meter tower equipped with instrumentation to measure temperature, wind speed and direction, and relative humidity.
48. A digital networked video recording system (NVR) will be utilized and operated continuously (with a data return of at least 75%) oriented toward flare 1018. Recordings shall be provided to the TCEQ Corpus Christi Regional Office as requested. Recordings shall be maintained for a period of at least five (5) years.
49. Written reports summarizing the FTIR data for benzene, 1,3-butadiene, ethylene, ethylene dichloride, ethylene oxide, hydrogen chloride, and vinyl chloride shall be submitted by the permit holder to the regional and central offices of the TCEQ.
  - A. Data shall be submitted quarterly, with the report due by the end of the subsequent month following the calendar quarter for which the data was collected.
  - B. The report shall include the following:
    - (1) 30-minute block average concentrations with 30-minute block average wind direction data.
    - (2) For each calendar day, 24-hour daily average concentrations with 24-hour average wind directions.
    - (3) Summary of data for compounds that exceeded their Tier 2 rolling 30-minute average trigger levels.
    - (4) Data for event canisters triggered due to an exceedance of the Tier 2 FTIR trigger level.
    - (5) Wind speed/direction roses and chemical-specific polar plots for periods when FTIR Tier 2 trigger levels are exceeded.
    - (6) Additional information may be requested by the TCEQ to evaluate trigger level exceedances.

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- (7) Data from routine Summa canisters for scheduled sampling.
- 50. All data, computations, and results of the air monitoring program shall be retained for at least 5 years and be made available to the TCEQ and any local air pollution control agencies.
- 51. An ambient monitoring system for EDC shall be installed inside the Vinyl Plant with an alarmed trigger level of 25 ppm.
- 52. Permits by Rule (PBR) and Standard Permits (SP) that authorize increases in EDC emissions from the facilities authorized by this permit shall be consolidated by incorporation, such that the authorization is transferred from the PBR or SP into the permit and an impacts analysis is conducted. Consolidation by incorporation shall be done at the next amendment or renewal after the PBR is claimed or the SP is issued.

Date: December 15, 2025

**Attachment A**

Permit 7699 and PSDTX226M7

Inherently Low Emitting Activities

| Activity                                    | Emissions |
|---------------------------------------------|-----------|
|                                             | VOC       |
| Soap and other aqueous based cleaners       | X         |
| Maintenance on water treatment systems      | X         |
| Replacement of analyzer filters and screens | X         |
| Cleaning sight glasses                      | X         |

Date: October 24, 2019

**Attachment B**

Permit 7699 and PSDTX226M7

Routine Maintenance Activities

| <b>Facilities</b>            | <b>Description/Emission Activities</b> | <b>EPN</b> |
|------------------------------|----------------------------------------|------------|
| Strainers                    | Vent to atmosphere                     | VCM-MNT    |
| Ejector-Mixer                | Vent to atmosphere                     | VCM-MNT    |
| Separator                    | Vent to atmosphere                     | VCM-MNT    |
| Instruments                  | Vent to atmosphere                     | VCM-MNT    |
| Loading/Unloading            | Vent to atmosphere                     | VCM-MNT    |
| Pumps                        | Vent to atmosphere                     | VCM-MNT    |
| Baghouses                    | Vent to atmosphere                     | VCM-MNT    |
| Propylene Refrigeration      | Vent to atmosphere                     | VCM-MNT    |
| Filter Press                 | Vent to atmosphere                     | VCM-MNT    |
| Waste Drums                  | Vent to atmosphere                     | VCM-MNT    |
| Piping degassing             | Vent to atmosphere                     | VCM-MNT    |
| Vacuum Trucks                | Vent to atmosphere                     | VCM-MNT    |
| Roll-off Boxes               | Vent to atmosphere                     | VCM-MNT    |
| Exchangers                   | Vent to atmosphere                     | VCM-MNT    |
| Compressors/Blowers          | Vent to atmosphere                     | PVC-MNT    |
| Strainers                    | Vent to atmosphere                     | PVC-MNT    |
| Exchangers                   | Vent to atmosphere                     | PVC-MNT    |
| Pumps                        | Vent to atmosphere                     | PVC-MNT    |
| Separators                   | Vent to atmosphere                     | PVC-MNT    |
| Filters                      | Vent to atmosphere                     | PVC-MNT    |
| Small Vessels                | Vent to atmosphere                     | PVC-MNT    |
| Piping                       | Vent to atmosphere                     | PVC-MNT    |
| Baghouses                    | Vent to atmosphere                     | PVC-MNT    |
| Instruments                  | Vent to atmosphere                     | PVC-MNT    |
| Methanol Equipment           | Vent to atmosphere                     | PVC-MNT    |
| Methylene Chloride Equipment | Vent to atmosphere                     | PVC-MNT    |
| Ethylene Glycol Equipment    | Vent to atmosphere                     | PVC-MNT    |
| Formaldehyde Equipment       | Vent to atmosphere                     | PVC-MNT    |

Date: October 24, 2019

## **Attachment C**

Permit 7699 and PSDTX226M7  
Significant MSS Activity Summary

The following activities are subject to the full recordkeeping requirements specified by Special Condition 31.

Reactors

Columns

Frac tanks

Pressure Vessels

Storage Tanks

Hydroblasting

Piping with an isolated volume in excess of 50 ft.<sup>3</sup>

Activities identified in the permit amendment application (form PI-1 dated January 4, 2008, as updated) which are not listed on Attachments A and B.

Date: October 24, 2019

# Emission Sources - Maximum Allowable Emission Rates

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

## Air Contaminants Data

| Emission Point No. (1) | Source Name (2)                   | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|-----------------------------------|--------------------------|----------------|---------|
|                        |                                   |                          | lbs/hour       | TPY (4) |
| 006A, B, C             | Incinerator/Scrubbers<br>(6) (12) | VOC                      | 0.32           | 1.41    |
|                        |                                   | NO <sub>x</sub>          | 4.24           | 18.60   |
|                        |                                   | SO <sub>2</sub>          | 0.01           | 0.02    |
|                        |                                   | PM                       | 1.24           | 5.43    |
|                        |                                   | PM <sub>10</sub>         | 1.24           | 5.43    |
|                        |                                   | PM <sub>2.5</sub>        | 1.24           | 5.43    |
|                        |                                   | CO                       | 0.89           | 3.88    |
|                        |                                   | Cl <sub>2</sub>          | 2.01           | 8.80    |
|                        |                                   | HCl                      | 1.03           | 4.51    |
|                        |                                   | VCM                      | 1.43           | 6.26    |
|                        |                                   | EDC                      | (8)            | (8)     |
| 006D, E                | Incinerator/Scrubbers<br>(7) (12) | VOC                      | 0.52           | 2.02    |
|                        |                                   | NO <sub>x</sub>          | 3.07           | 13.05   |
|                        |                                   | SO <sub>2</sub>          | 0.01           | 0.02    |
|                        |                                   | PM                       | 0.70           | 3.07    |
|                        |                                   | PM <sub>10</sub>         | 0.70           | 3.07    |
|                        |                                   | PM <sub>2.5</sub>        | 0.70           | 3.07    |
|                        |                                   | CO                       | 7.66           | 32.99   |
|                        |                                   | Cl <sub>2</sub>          | 2.90           | 12.46   |
|                        |                                   | HCl                      | 2.17           | 9.32    |
|                        |                                   | VCM                      | 0.14           | 0.54    |
|                        |                                   | EDC                      | (8)            | (8)     |
| 007-1                  | Fugitives (5)                     | VOC                      | 0.88           | 3.84    |
|                        |                                   | Cl <sub>2</sub>          | 0.01           | 0.05    |
|                        |                                   | HCl                      | 0.31           | 1.38    |
|                        |                                   | VCM                      | 1.04           | 4.54    |
|                        |                                   | EDC                      | 1.52           | 6.66    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)                                      | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|------------------------------------------------------|--------------------------|----------------|---------|
|                        |                                                      |                          | lbs/hour       | TPY (4) |
| 209A                   | Catalyst Hoppers<br>Cyclone Separator Bag<br>Filters | PM                       | 0.07           | 0.03    |
|                        |                                                      | PM <sub>10</sub>         | 0.07           | 0.03    |
|                        |                                                      | PM <sub>2.5</sub>        | 0.07           | 0.03    |
| 209D                   | Catalyst Hoppers<br>Cyclone Separator Bag<br>Filters | PM                       | 0.07           | 0.03    |
|                        |                                                      | PM <sub>10</sub>         | 0.07           | 0.03    |
|                        |                                                      | PM <sub>2.5</sub>        | 0.07           | 0.03    |
| 312                    | Silos (9)                                            | PM                       | 0.59           | 2.60    |
|                        |                                                      | PM <sub>10</sub>         | 0.59           | 2.60    |
|                        |                                                      | PM <sub>2.5</sub>        | 0.59           | 2.60    |
| 313A-N<br>313A-S       | PVC A Dryer Stacks<br>(11)                           | VOC                      | 2.06           | —       |
|                        |                                                      | PM                       | 1.07           | —       |
|                        |                                                      | PM <sub>10</sub>         | 1.07           | —       |
|                        |                                                      | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                                                      | VCM                      | 1.80           | —       |
| 313B-N<br>313B-S       | PVC B Dryer Stacks<br>(11)                           | VOC                      | 2.06           | —       |
|                        |                                                      | PM                       | 1.07           | —       |
|                        |                                                      | PM <sub>10</sub>         | 1.07           | —       |
|                        |                                                      | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                                                      | VCM                      | 1.80           | —       |
| 313C-N<br>313C-S       | PVC C Dryer Stacks<br>(11)                           | VOC                      | 2.06           | —       |
|                        |                                                      | PM                       | 1.07           | —       |
|                        |                                                      | PM <sub>10</sub>         | 1.07           | —       |
|                        |                                                      | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                                                      | VCM                      | 1.80           | —       |
| 313D-N<br>313D-S       | PVC D Dryer Stacks<br>(11)                           | VOC                      | 2.06           | —       |
|                        |                                                      | PM                       | 1.07           | —       |
|                        |                                                      | PM <sub>10</sub>         | 1.07           | —       |
|                        |                                                      | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                                                      | VCM                      | 1.80           | —       |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)            | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|----------------------------|--------------------------|----------------|---------|
|                        |                            |                          | lbs/hour       | TPY (4) |
| 313E-N<br>313E-S       | PVC E Dryer Stacks<br>(11) | VOC                      | 2.06           | —       |
|                        |                            | PM                       | 1.07           | —       |
|                        |                            | PM <sub>10</sub>         | 1.07           | —       |
|                        |                            | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                            | VCM                      | 1.80           | —       |
| 313F-N<br>313F-S       | PVC F Dryer Stacks<br>(11) | VOC                      | 2.06           | —       |
|                        |                            | PM                       | 1.07           | —       |
|                        |                            | PM <sub>10</sub>         | 1.07           | —       |
|                        |                            | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                            | VCM                      | 1.80           | —       |
| 313G-N<br>313G-S       | PVC G Dryer Stacks<br>(11) | VOC                      | 2.06           | —       |
|                        |                            | PM                       | 1.07           | —       |
|                        |                            | PM <sub>10</sub>         | 1.07           | —       |
|                        |                            | PM <sub>2.5</sub>        | 1.07           | —       |
|                        |                            | VCM                      | 1.80           | —       |
| 313H                   | PVC Dryer H                | VOC                      | 2.06           | —       |
|                        |                            | PM                       | 0.98           | —       |
|                        |                            | PM <sub>10</sub>         | 0.98           | —       |
|                        |                            | PM <sub>2.5</sub>        | 0.98           | —       |
|                        |                            | VCM                      | 1.80           | —       |
| 313I                   | PVC Dryer I                | VOC                      | 8.87           | —       |
|                        |                            | PM                       | 0.98           | —       |
|                        |                            | PM <sub>10</sub>         | 0.98           | —       |
|                        |                            | PM <sub>2.5</sub>        | 0.98           | —       |
|                        |                            | VCM                      | 1.80           | —       |
| 313A through 313I      | PVC Dryers A – I (10)      | VOC                      | —              | 35.04   |
|                        |                            | PM                       | —              | 35.48   |
|                        |                            | PM <sub>10</sub>         | —              | 35.48   |
|                        |                            | PM <sub>2.5</sub>        | —              | 35.48   |
|                        |                            | VCM                      | —              | 16.75   |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)                      | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|--------------------------------------|--------------------------|----------------|---------|
|                        |                                      |                          | lbs/hour       | TPY (4) |
| 415                    | EDC Cracker No. 3                    | VOC                      | 0.29           | 1.29    |
|                        |                                      | NO <sub>x</sub>          | 3.30           | 14.45   |
|                        |                                      | SO <sub>2</sub>          | 0.03           | 0.14    |
|                        |                                      | PM                       | 0.57           | 2.35    |
|                        |                                      | PM <sub>10</sub>         | 0.57           | 2.35    |
|                        |                                      | PM <sub>2.5</sub>        | 0.57           | 2.35    |
|                        |                                      | CO                       | 1.93           | 8.43    |
| 416                    | EDC Cracker No. 4 and Hot Oil Heater | VOC                      | 0.29           | 1.29    |
|                        |                                      | NO <sub>x</sub>          | 3.30           | 14.45   |
|                        |                                      | SO <sub>2</sub>          | 0.03           | 0.14    |
|                        |                                      | PM                       | 0.41           | 1.78    |
|                        |                                      | PM <sub>10</sub>         | 0.41           | 1.78    |
|                        |                                      | PM <sub>2.5</sub>        | 0.41           | 1.78    |
|                        |                                      | CO                       | 1.93           | 8.43    |
| 417                    | EDC Cracker No. 5                    | VOC                      | 0.29           | 1.29    |
|                        |                                      | NO <sub>x</sub>          | 3.30           | 14.45   |
|                        |                                      | SO <sub>2</sub>          | 0.03           | 0.14    |
|                        |                                      | PM                       | 0.75           | 3.30    |
|                        |                                      | PM <sub>10</sub>         | 0.75           | 3.30    |
|                        |                                      | PM <sub>2.5</sub>        | 0.75           | 3.30    |
|                        |                                      | CO                       | 1.93           | 8.43    |
| 418                    | EDC Cracker No. 6                    | VOC                      | 0.29           | 1.29    |
|                        |                                      | NO <sub>x</sub>          | 3.30           | 14.45   |
|                        |                                      | SO <sub>2</sub>          | 0.03           | 0.14    |
|                        |                                      | PM                       | 0.75           | 3.30    |
|                        |                                      | PM <sub>10</sub>         | 0.75           | 3.30    |
|                        |                                      | PM <sub>2.5</sub>        | 0.75           | 3.30    |
|                        |                                      | CO                       | 1.93           | 8.43    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|------------------------|--------------------------|----------------|---------|
|                        |                        |                          | lbs/hour       | TPY (4) |
| 419                    | EDC Cracker No. 7      | VOC                      | 0.36           | 1.59    |
|                        |                        | NO <sub>x</sub>          | 4.06           | 17.80   |
|                        |                        | SO <sub>2</sub>          | 0.04           | 0.17    |
|                        |                        | PM                       | 0.50           | 2.20    |
|                        |                        | PM <sub>10</sub>         | 0.50           | 2.20    |
|                        |                        | PM <sub>2.5</sub>        | 0.50           | 2.20    |
|                        |                        | CO                       | 2.37           | 10.38   |
| 420                    | EDC Cracker No. 8      | VOC                      | 0.53           | 2.32    |
|                        |                        | NO <sub>x</sub>          | 2.97           | 13.00   |
|                        |                        | SO <sub>2</sub>          | 0.06           | 0.25    |
|                        |                        | PM                       | 0.73           | 3.21    |
|                        |                        | PM <sub>10</sub>         | 0.73           | 3.21    |
|                        |                        | PM <sub>2.5</sub>        | 0.73           | 3.21    |
|                        |                        | CO                       | 4.95           | 21.66   |
| 801 through 803        | PVC Compounding        | VOC                      | 5.40           | 1.70    |
|                        |                        | PM                       | 2.28           | 10.00   |
|                        |                        | PM <sub>10</sub>         | 2.28           | 10.00   |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.05    |
| 999                    | Cooling Tower          | VOC                      | 1.39 (5)       | 6.08    |
|                        |                        | VCM                      | 0.23 (5)       | 1.01    |
|                        |                        | EDC                      | 0.23 (5)       | 1.01    |
|                        |                        | PM                       | 1.92           | 8.40    |
|                        |                        | PM <sub>10</sub>         | 0.70           | 3.05    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.02    |
|                        |                        | HOCl                     | 0.01           | 0.01    |
| VW-CO2                 | Cooling Tower          | PM                       | 0.93           | 4.09    |
|                        |                        | PM <sub>10</sub>         | 0.34           | 1.49    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |
|                        |                        | HOCl                     | 0.01           | 0.01    |
| BF-901A                | BT-901A Silo Bagfilter | PM                       | 0.03           | 0.12    |
|                        |                        | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)        | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|------------------------|--------------------------|----------------|---------|
|                        |                        |                          | lbs/hour       | TPY (4) |
| BF-901B                | BT-901B Silo Bagfilter | PM                       | 0.03           | 0.12    |
|                        |                        | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                        | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| CF-803A                | CT-810A Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.09           | 0.41    |
|                        |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |
| CF-803B                | CT-810B Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.09           | 0.41    |
|                        |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |
| CF-803C                | CT-810C Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.09           | 0.41    |
|                        |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |
| CF-803D                | CT-810D Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.09           | 0.41    |
|                        |                        | PM <sub>2.5</sub>        | 0.09           | 0.41    |
| CF-805A                | CT-818A Silo Bagfilter | PM                       | 0.11           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CF-805C                | CT-818C Silo Bagfilter | PM                       | 0.11           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CF-812                 | Oversize PVC Bagfilter | PM                       | 0.30           | 0.51    |
|                        |                        | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CF-813A                | CT-817A Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CF-813B                | CT-817B Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CF-813C                | CT-817C Silo Bagfilter | PM                       | 0.09           | 0.41    |
|                        |                        | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                        | PM <sub>2.5</sub>        | 0.01           | 0.01    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)          | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|--------------------------|--------------------------|----------------|---------|
|                        |                          |                          | lbs/hour       | TPY (4) |
| CF-813D                | CT-817D Silo Bagfilter   | PM                       | 0.09           | 0.41    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-811A                | Calcium Carbonate Tank   | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-811B                | Calcium Carbonate Tank   | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-811C                | Calcium Carbonate Tank   | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-811D                | Calcium Carbonate Tank   | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-814A                | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-814B                | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-814C                | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| CT-814D                | Titanium Dioxide Tank    | PM                       | 0.01           | 0.01    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| PF582                  | Vacuum System Bag Filter | PM                       | 0.17           | 0.71    |
|                        |                          | PM <sub>10</sub>         | 0.01           | 0.01    |
|                        |                          | PM <sub>2.5</sub>        | 0.01           | 0.01    |
| PF-601I                | PT-601I Silo Bagfilter   | PM                       | 0.03           | 0.12    |
|                        |                          | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                          | PM <sub>2.5</sub>        | 0.03           | 0.12    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)                  | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|----------------------------------|--------------------------|----------------|---------|
|                        |                                  |                          | lbs/hour       | TPY (4) |
| PF-601J                | PT-601J Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-606A                | PT-606A Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-606B                | PT-606B Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-606C                | PT-606C Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-607A                | PT-607A Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-607B                | PT-607B Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-607C                | PT-607C Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-607D                | PT-607D Silo Bagfilter           | PM                       | 0.03           | 0.12    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.12    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.12    |
| PF-608A                | PT-607A/B Rotary Valve Bagfilter | PM                       | 0.03           | 0.08    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.08    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.08    |
| PF-608B                | PT-607C/D Rotary Valve Bagfilter | PM                       | 0.03           | 0.08    |
|                        |                                  | PM <sub>10</sub>         | 0.03           | 0.08    |
|                        |                                  | PM <sub>2.5</sub>        | 0.03           | 0.08    |
| PT-421                 | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    |
| PT-422                 | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    |
| PT-423                 | Organic Peroxide Tank            | VOC                      | 0.01           | 0.01    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2)       | Air Contaminant Name (3) | Emission Rates |         |
|------------------------|-----------------------|--------------------------|----------------|---------|
|                        |                       |                          | lbs/hour       | TPY (4) |
| PT-424                 | Organic Peroxide Tank | VOC                      | 0.01           | 0.01    |
| PT-425                 | Organic Peroxide Tank | VOC                      | 0.01           | 0.01    |
| PT-426                 | Organic Peroxide Tank | VOC                      | 0.01           | 0.01    |
| VC-641G                | Decoke Scrubber       | PM                       | 22.30          | 0.36    |
|                        |                       | PM <sub>10</sub>         | 22.30          | 0.36    |
|                        |                       | PM <sub>2.5</sub>        | 0.04           | 0.01    |
|                        |                       | CO                       | 0.05           | 0.01    |
| VC-641D                | Decoke Scrubber       | PM                       | 19.69          | 1.03    |
|                        |                       | PM <sub>10</sub>         | 19.69          | 1.03    |
|                        |                       | PM <sub>2.5</sub>        | 0.04           | 0.01    |
|                        |                       | CO                       | 0.03           | 0.01    |
| VC-641H                | Decoke Scrubber       | PM                       | 22.30          | 0.36    |
|                        |                       | PM <sub>10</sub>         | 22.30          | 0.36    |
|                        |                       | PM <sub>2.5</sub>        | 0.04           | 0.01    |
|                        |                       | CO                       | 0.05           | 0.01    |
| VR-290                 | Catoxid Reactor Vent  | VOC                      | 0.08           | 0.01    |
|                        |                       | NO <sub>x</sub>          | 3.33           | 0.13    |
|                        |                       | SO <sub>2</sub>          | 0.01           | 0.01    |
|                        |                       | PM                       | 2.50           | 0.10    |
|                        |                       | CO                       | 79.00          | 3.16    |
| VT-611A                | Groundwater Tank      | VOC                      | 0.01           | 0.01    |
| VT-680                 | Wastewater Tank       | VOC                      | 0.10           | 0.14    |
|                        |                       | VCM                      | 0.11           | 0.14    |
|                        |                       | EDC                      | 0.08           | 0.12    |
| VT-768                 | Kerosene Tank         | VOC                      | 0.70           | 0.01    |
| VW-C11                 | Cooling Tower         | VOC                      | 0.50 (5)       | 2.19    |
|                        |                       | VCM                      | 1.25 (5)       | 5.48    |
|                        |                       | EDC                      | 0.25 (5)       | 1.10    |
|                        |                       | PM                       | 2.08           | 9.10    |
|                        |                       | PM <sub>10</sub>         | 0.75           | 3.30    |
|                        |                       | PM <sub>2.5</sub>        | 0.01           | 0.02    |
|                        |                       | HOCl                     | 0.01           | 0.01    |

## Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1)                   | Source Name (2)         | Air Contaminant Name (3) | Emission Rates |         |
|------------------------------------------|-------------------------|--------------------------|----------------|---------|
|                                          |                         |                          | lbs/hour       | TPY (4) |
| Maintenance, Startup, and Shutdown (MSS) |                         |                          |                |         |
| PVC-MNT                                  | Emissions to Atmosphere | VOC                      | 502.10         | 2.80    |
|                                          |                         | PM                       | 16.70          | 0.31    |
|                                          |                         | PM <sub>10</sub>         | 16.70          | 0.31    |
|                                          |                         | PM <sub>2.5</sub>        | 16.70          | 0.31    |
| VCM-MNT                                  | Emissions to Atmosphere | VOC                      | 1972.00        | 14.70   |
|                                          |                         | PM                       | 5.50           | 0.21    |
|                                          |                         | PM <sub>10</sub>         | 2.59           | 0.10    |
|                                          |                         | PM <sub>2.5</sub>        | 0.39           | 0.02    |
|                                          |                         | HCl                      | 90.00          | 1.31    |

- (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 Special Condition 1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide  
 Cl<sub>2</sub> - chlorine  
 HCl - hydrogen chloride  
 VCM - vinyl chloride monomer  
 EDC - ethylene dichloride
- (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) EPNs 006A, B, and C represents three separate emissions points. Emissions shown are the maximum allowable rates for the three incinerator/scrubber trains combined.
- (7) The EPNs 006D and E represent two separate emissions points. Emissions shown are the maximum allowable rates for the two incinerator/scrubber trains combined.
- (8) Total EDC emissions for Incinerator/Scrubber Systems 006A through 006E (EPNs 006A, B, C, D, and E) are 0.713 pounds per hour and 3.032 tons per year.
- (9) Combined emissions rate for the following product storage silos (1,000-ton capacity) and loading silos (100 ton capacity): PT-602A through E, PT-602G, PT-603, CT-818B, and CT-818D.
- (10) Cumulative annual emission rate limits for all PVC dryers.
- (11) Dryers 313A through 313G each have identical adjacent vent stacks. Allowable emission rates shown are totals for both stacks combined.
- (12) Includes MSS emissions.

Date: October 24, 2019