

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Ashland Elastomers, LLC

AUTHORIZING THE OPERATION OF

Port Neches Plant  
Synthetic Rubber (Vulcanizable Elastomers)

LOCATED AT

Jefferson County, Texas

Latitude 29° 59' 15" Longitude 093° 56' 42"

Regulated Entity Number: RN100224799

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: O1224 Issuance Date: August 4, 2011

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For the Commission

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## **GENERAL TERMS AND CONDITIONS**

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

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

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

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

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

## **SPECIAL TERMS AND CONDITIONS:**

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

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

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. 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.
  - E. Emission units subject to 40 CFR Part 63, Subpart U as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.260 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 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. For stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed on or before January 31, 1972 that are not listed in the Applicable Requirements Summary attachment, the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(1)(A) (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)(A), 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 do not emit visible emissions such as vents that emit only VOC or vents that provide passive ventilation, such as plumbing vents; or vents that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(A) and Compliance Assurance Monitoring, as specified in the attached Applicable Requirements Summary and “Additional 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)(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)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. For 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, the permit holder shall comply with the following requirements:
  - (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 do not emit visible emissions such as vents that emit only VOC or vents that provide passive ventilation, such as plumbing vents; or vents that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) and Compliance Assurance Monitoring, as specified in the attached “Applicable Requirements Summary” and “Additional 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) 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.
- C. 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) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

D. 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)

- E. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
  - (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: “Storage of Volatile Organic Compounds,” the permit holder shall comply with the requirements of 30 TAC § 115.112(a)(1).
- 5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
    - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
    - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
    - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
  - B. The permit holder shall comply with the annual reporting requirements under 30 TAC § 115.247(2) for motor vehicle fuel dispensing facilities exempt from Stage II.
- 6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):
  - A. Title 30 TAC § 115.512(1) (relating to Control Requirements)
  - B. Title 30 TAC § 115.512(2) (relating to Control Requirements)
  - C. Title 30 TAC § 115.515 (relating to Testing Requirements)
- 7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

- A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
8. 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)
9. For the National Emissions Standards for Asbestos specified in 40 CFR Part 61, Subpart M, the permit holder shall comply with the following requirements:
- A. For insulating materials other than spray-applied: Title 40 CFR § 61.148 (relating to Standards for Insulating Materials), for installation and reinstallation of asbestos-containing insulation).

10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
11. For elastomer product process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.501(b), the permit holder shall comply with the requirements of 40 CFR § 63.105(b) - (e) (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.260 incorporated by reference).

### **Additional Monitoring Requirements**

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

### **New Source Review Authorization Requirements**

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
14. 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.
15. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or

Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.

- A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
- B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **Compliance Requirements**

- 16. The permit holder shall certify compliance with all permit terms and conditions 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.
- 17. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
  - A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Beaumont-Port Arthur Nonattainment area, 30 TAC § 117.9000
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.150(c) and (c)(1).
- 18. Use of Emission Credits to comply with applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115

- (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
19. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116
    - (iv) Temporarily exceed state NSR permit allowables
  - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
    - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
    - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

### **Risk Management Plan**

- 20. 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**

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

### **Permit Location**

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

## **ATTACHMENTS**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**New Source Review Authorization References**

## **Applicable Requirements Summary**

**Unit Summary .....17**

**Applicable Requirements Summary ..... 22**

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

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BOILER 2	BOILERS/ STEAM GENERATORS/ STEAM GENERATING UNITS	N/A	60Dc-1	40 CFR Part 60, Subpart Dc	No changing attributes.
EPPU 1	CHEMICAL MANUFACTURING PROCESS	N/A	63U-ALL	40 CFR Part 63, Subpart U	No changing attributes.
GRP-UDRYERS	CHEMICAL MANUFACTURING PROCESS	S-DRYERA, S-DRYERB, S-DRYERC, S-DRYERD, S-DRYERE, S-DRYERF, S-DRYERG, S-DRYERH, S-DRYERJ, S-DRYERI	63U	40 CFR Part 63, Subpart U	No changing attributes.
GRP-DRYER	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	S-DRYERA, S-DRYERB, S-DRYERC, S-DRYERD, S-DRYERE, S-DRYERF, S-DRYERG, S-DRYERH, S-DRYERJ, S-DRYERI	Primary	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTB	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	S-8CCVENT1	Primary	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTB	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	S-8CCVENT1	Primary	40 CFR Part 63, Subpart U	No changing attributes.
GRP-VENTC	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	S-0173VENT, S-0174VENT, S-0175VENT, S-0176VENT, S-0396VENT	Primary	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
S-7CDVENT	EMISSION POINTS/	N/A	R5121-1	30 TAC Chapter 115, Vent	CONTROL DEVICE TYPE

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	STATIONARY VENTS/ PROCESS VENTS			Gas Controls	= Smokeless flare
S-7CDVENT	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	CONTROL DEVICE TYPE = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.
S-7CDVENT	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
DOCKFLARE	FLARES	N/A	Primary	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PLANTFLARE	FLARES	N/A	Primary	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PLANTFLARE	FLARES	N/A	Primary	40 CFR Part 60, Subpart A	No changing attributes.
GRP-FUG	FUGITIVE EMISSION UNITS	DOCK FUGT, F-MONTF, F-REACCA, F-REACCB, F-REACCC, F-REACDA, F-REACDB, F-RECOVCA, F-RECOVCB, F-RECOVCC, F-RECOVDA, F-RECOVDB	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-FUG	FUGITIVE EMISSION UNITS	DOCK FUGT, F-MONTF, F-REACCA, F-REACCB, F-REACCC, F-REACDA, F-REACDB, F-RECOVCA, F-RECOVCB, F-RECOVCC, F-RECOVDA, F-RECOVDB	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
AIRCOMP	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	Custom requirements determination.
FWPUMP	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	Custom requirements determination.
SERVPUMP	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	Custom requirements determination.
UTILGEN2	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	Custom requirements determination.
39-0013	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
39-0014	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
39-0015	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
39-0016	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
39-0167	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
39-0189	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	VESSELS				
39-0190	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
39-0195	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
40-0193	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
40-0234	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
40-0235	STORAGE TANKS/ VESSELS	N/A	Primary	40 CFR Part 63, Subpart U	No changing attributes.
F-RFBASIN	WASTEWATER BASIN	N/A	63U	40 CFR Part 63, Subpart U	No changing attributes.
F-SKIM	WASTEWATER BASIN	N/A	63U	40 CFR Part 63, Subpart U	No changing attributes.
GRPHI1-2	STORAGE TANKS/ VESSELS	39-0215, 39-0372, 39-0374, 39-0381, 39-0382, 40-0229, 40-0230, 40-0231, 40-0232	Primary	40 CFR Part 63, Subpart U	No changing attributes.
GRPLOWCAP1	STORAGE TANKS/ VESSELS	39-0176, 40-0213	Primary	40 CFR Part 63, Subpart U	No changing attributes.
GRP-MACTU	WASTEWATER BASIN	F-7CBASIN, F-7DBASIN, F-TFLIFT	63U	40 CFR Part 63, Subpart U	No changing attributes.
GRPMID1-2	STORAGE TANKS/ VESSELS	39-0188, 39-0193, 39-0194, 39-0216, 39-0219, 39-0366, 40-0233, 40-0253	Primary	40 CFR Part 63, Subpart U	No changing attributes.
GRPMID3-2	STORAGE TANKS/	39-0213, 39-0214, 39-0217,	Primary	40 CFR Part 63, Subpart U	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	VESSELS	40-0252			
GRPMIDCAP1	STORAGE TANKS/ VESSELS	39-0059, 39-0061, 39-0068, 39-0142, 39-0143, 39-0149, 39-0150, 39-0171, 39-0294, 39-0295, 39-0327, 39-0365, 40-0013, 40-0014, 40-0035, 40-0036, 40-0037, 40-0038, 40-0184, 40-0185, 40-0187, 40-0188, 40-0189, 40-0192, 40-0195, 40-0197, 40-0210, 40-0211, 40-0214, 40-0215, 40-0216, 40-0251, 40-0297, 40-0298	Primary	40 CFR Part 63, Subpart U	No changing attributes.

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
BOILER 2	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) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
BOILER 2	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) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
BOILER 2	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) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
EPPU 1	PRO	63U-ALL	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.480(f)(1)(iv) § 63.480(f)(g) [G]§ 63.480(j)	If the primary product of a process unit is an elastomer product, then that process unit shall be designated as an EPPU.	§ 63.504(a) [G]§ 63.504(a)(1) § 63.504(a)(5) § 63.504(b) § 63.506(h)(1)(i) [G]§ 63.506(h)(1)(ii) § 63.506(h)(1)(iii) § 63.506(h)(1)(iv) [G]§ 63.506(h)(1)(v)	[G]§ 63.506(a) § 63.506(b) § 63.506(b)(1) [G]§ 63.506(b)(1)(i) § 63.506(c) § 63.506(h) § 63.506(h)(1) § 63.506(h)(1)(i) [G]§ 63.506(h)(1)(ii) § 63.506(h)(1)(iii) [G]§ 63.506(h)(1)(vi) § 63.506(h)(2) § 63.506(h)(2)(ii) § 63.506(h)(2)(iii)	§ 63.480(f)(8) § 63.480(f)(8)(i) § 63.480(f)(9) § 63.480(h)(6) [G]§ 63.481(e) § 63.504(a)(4) § 63.506(b) § 63.506(b)(1) § 63.506(b)(1)(ii) § 63.506(e) [G]§ 63.506(e)(1)(iii) § 63.506(e)(2) [G]§ 63.506(e)(3)(ix) § 63.506(e)(5) [G]§ 63.506(e)(5)(i) § 63.506(e)(5)(ii) § 63.506(e)(5)(ii)(A) § 63.506(e)(5)(ii)(B)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
								§ 63.506(e)(5)(ii)(C) § 63.506(e)(5)(ii)(E) § 63.506(e)(5)(v) § 63.506(e)(5)(vi) § 63.506(e)(5)(viii) § 63.506(e)(5)(x) § 63.506(e)(5)(xii) § 63.506(e)(6) § 63.506(e)(6)(i) § 63.506(e)(6)(ii) § 63.506(e)(6)(iii) § 63.506(e)(6)(iii)(A) § 63.506(e)(6)(iii)(B) § 63.506(e)(6)(iii)(D)(2) [G]§ 63.506(e)(6)(iii)(D)(3) § 63.506(e)(6)(ix) [G]§ 63.506(e)(6)(v) § 63.506(e)(6)(vi) § 63.506(e)(6)(viii) § 63.506(e)(6)(x) [G]§ 63.506(e)(6)(xii) § 63.506(e)(7) § 63.506(e)(7)(iv) [G]§ 63.506(e)(7)(v) § 63.506(e)(8) § 63.506(e)(8)(ii) § 63.506(h) § 63.506(h)(1) § 63.506(h)(2)(i) § 63.506(h)(2)(ii)	
GRP-UDRYERS	PRO	63U	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.494(a) [G]§ 63.481(m) § 63.494(a)(1)(i) § 63.494(b) § 63.495(a) § 63.500(a) § 63.500(a)(1) § 63.500(a)(3) § 63.506(e)(1)	Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149.	§ 63.495(b)(2)(ii) § 63.495(b)(4) § 63.495(b)(5) [G]§ 63.495(d)(1) [G]§ 63.495(e) § 63.495(f) § 63.500(c) § 63.500(c)(2) § 63.500(c)(2)(i)	§ 63.495(b)(4) § 63.498(a) § 63.498(a)(1) § 63.498(a)(2) § 63.498(a)(3) § 63.498(b) § 63.498(b)(1) § 63.498(b)(1)(i) § 63.498(b)(1)(ii)	[G]§ 63.499(a) § 63.500(e) § 63.500(e)(1) § 63.500(e)(2)(ii) § 63.506(e)(6)(iii)(D)(4)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
							§ 63.500(c)(2)(ii) § 63.500(c)(2)(iii) [G]§ 63.500(c)(2)(iv) § 63.500(e)(2)(i) § 63.506(d)(1) § 63.506(d)(3) § 63.506(d)(3)(i)	§ 63.498(b)(1)(iii) § 63.498(b)(1)(iii)(A) § 63.498(b)(1)(iv) § 63.498(b)(2) § 63.498(b)(3) § 63.500(c)(2)(v) [G]§ 63.500(d) § 63.506(d) § 63.506(d)(2) § 63.506(d)(6) [G]§ 63.506(d)(7) § 63.506(d)(8)	
GRP-DRYER	EP	Primary	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP-VENTB	EP	Primary	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
GRP-VENTB	EP	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.486(a) [G]§ 63.481(m) [G]§ 63.487(a)(1) § 63.504(c) § 63.506(e)(1)	Batch front-end process vents at affected sources shall comply with requirements in § 63.487 through § 63.492.	§ 63.11(b)(4) § 63.11(b)(6) § 63.11(b)(7)(i) § 63.11(b)(7)(iii) § 63.11(b)(8) § 63.489(a) § 63.489(a)(1) § 63.489(b) § 63.489(b)(2) § 63.489(d)(2) § 63.504(c)(1) § 63.504(c)(2) § 63.504(c)(3)	§ 63.489(d)(2) [G]§ 63.491(b)(3) § 63.491(c) § 63.491(e)(1) § 63.491(e)(1)(i) § 63.491(e)(2) § 63.491(e)(2)(i) § 63.491(e)(2)(iii) § 63.491(e)(4)(i) § 63.491(e)(5)	§ 63.492(a) § 63.492(a)(1) § 63.492(f)(2) § 63.506(e)(5)(ii)(D)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
GRP-VENTC	EP	Primary	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
S-7CDVENT	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
S-7CDVENT	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
S-7CDVENT	PRO	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.485(a) [G]§ 63.113(a)(1) § 63.113(h) [G]§ 63.481(m) § 63.504(c) § 63.506(e)(1)	For each continuous front-end process vent located at an affected source, the owner or operator shall comply with §§63.113-63.118, except as provided for in § 63.485(b)-(v).	§ 63.11(b)(4) § 63.11(b)(6) § 63.11(b)(7)(i) § 63.11(b)(7)(iii) § 63.11(b)(8) § 63.114(a) § 63.114(a)(2) § 63.114(e) [G]§ 63.115(a) § 63.116(a) § 63.504(c)(1) § 63.504(c)(2) § 63.504(c)(3)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) [G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(3) § 63.118(f)(5) [G]§ 63.485(l)
DOCKFLARE	EU	Primary	OPACITY	30 TAC Chapter 111, Visible	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Emissions		minutes in any two-hour period, except for upset emissions as provided in §101.11(a).			
PLANTFLARE	EU	Primary	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
PLANTFLARE	CD	Primary	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115,	§ 115.352(1)(A) § 115.352(1)	No pressure relief valves (gaseous service), contacting	§ 115.354(1) § 115.354(2)	§ 115.352(7) § 115.356	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Pet. Refinery & Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia,	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					§ 115.357(12)		§ 115.357(1)	§ 115.356(4)	
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						the requirements of this division except §115.356(3)(C) of this title.			
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRP-FUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery &	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
				Petrochemicals		true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f)	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					[G]§ 63.162(g) § 63.162(h) [G]§ 63.171			[G]§ 63.181(i)	§ 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					[G]§ 63.171				
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
					[G]§ 63.171 [G]§ 63.175			[G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(d)
GRP-FUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
AIRCOMP	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602- Table 2c.4.b § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each non-emergency, non-black start CI stationary RICE greater than 300 HP, but less than or equal to 500 HP, you must meet the following requirement, except during periods of startup; a. Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd or less at 15 percent O <sub>2</sub> ; or b. Reduce CO emissions by 70 percent or more.	§ 63.6604 § 63.6612(a) § 63.6620(a) § 63.6620(a)- Table 4.1.a.i § 63.6620(a)- Table 4.1.a.ii § 63.6620(b) § 63.6620(d) § 63.6620(e)(1) [G]§ 63.6620(e)(2) § 63.6620(f) § 63.6630(a)- Table 5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6635(a) § 63.6635(c) [G]§ 63.6655(a) [G]§ 63.6655(b) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)- Table 7.1.a.i § 63.6650(a)- Table 7.1.a.ii § 63.6650(a)- Table 7.1.b § 63.6650(a)- Table 7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(7)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
									§ 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) § 63.6650(d) § 63.6650(f)
FWPUMP	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602- Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For emergency stationary CI RICE, except during periods of startup you must meet the following: a. Change oil and filter every 500 hours of operation or annually, whichever comes first. b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)- Table 6.9.a.i § 63.6640(a)- Table 6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
SERPUMP	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602- Table 2c.2 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b)	For non-emergency stationary, non-black start stationary CI RICE less than 100 HP, except during periods of startup you must meet the following: a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first. b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; c. Inspect all hoses and belts every 500 hours of operation	§ 63.6625(i) § 63.6640(a) § 63.6640(a)- Table 6.9.a.i § 63.6640(a)- Table 6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						or annually, whichever comes first, and replace as necessary.			
UTILGEN2	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602- Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For emergency stationary CI RICE, except during periods of startup you must meet the following: a. Change oil and filter every 500 hours of operation or annually, whichever comes first. b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)- Table 6.9.a.i § 63.6640(a)- Table 6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
39-0013	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
39-0014	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
39-0015	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in §	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						63.484(c) through (s).			
39-0016	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
39-0167	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
39-0189	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
39-0190	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
39-0195	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
40-0193	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in §	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)

## Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						63.484(c) through (s).			
40-0234	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
40-0235	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
F-RFBASIN	EU	63U	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.501(a) § 63.506(e)(1)	Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149.	None	None	§ 63.146(b)(2) § 63.146(b)(5)
F-SKIM	EU	63U	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.501(a) § 63.506(e)(1)	Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149.	None	None	§ 63.146(b)(2) § 63.146(b)(5)
GRPHI1-2	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
GRPLOWCAP1	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in §	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)

### Applicable Requirements Summary

Unit/Group/Process		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements  (30 TAC § 122.144)	Reporting Requirements  (30 TAC § 122.145)
ID No.	Type			Name	Citation				
						63.484(c) through (s).			
GRP-MACTU	EU	63U	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.501(a) § 63.506(e)(1)	Comply with requirements of §§ 63.132-63.147 for each process wastewater stream, § 63.148 for leak inspection and § 63.149 for equipment subject to § 63.149.	None	None	§ 63.146(b)(2) § 63.146(b)(5)
GRPMID1-2	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
GRPMID3-2	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)
GRPMIDCAP1	EU	Primary	112(B) HAPS	40 CFR Part 63, Subpart U	§ 63.484(a) § 63.119(a)(3) [G]§ 63.481(m)	For storage vessels at a source, comply with requirements of §63.119 through §63.123 and §63.148, except as noted in § 63.484(c) through (s).	None	§ 63.123(a)	§ 63.480(g)(6) § 63.506(e)(6)(vii) § 63.506(e)(7)(i)

**Additional Monitoring Requirements**

**Periodic Monitoring Summary.....44**

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: S-7CDVENT	
Control Device ID No.: BACKUPFLARE	Control Device Type: Other Control Device Type
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.121(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per day	
Averaging Period: n/a	
Deviation Limit: Visible Emissions	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded in the flare operation log. A notation in the flare operation log should include the time of day and whether or not the flare had visible emissions. For flares operated less frequently than daily, the observation shall be made for each operation. The flare operator shall record at least 98% of these required observations. 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.</p> <p>If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22 or Test Method 9.</p>	

**New Source Review Authorization References**

**New Source Review Authorization References .....46**  
**New Source Review Authorization References by Emission Unit..... 47**

## 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>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.: 4132A	Issuance Date: 08/15/2013
Authorization No.: 74010	Issuance Date: 05/01/2008
Authorization No.: 9908	Issuance Date: 06/15/2010
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 03/14/1997
Number: 106.512	Version No./Date: 06/13/2001

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
37-0251	UTILITIES AREA DIESEL STG TANK	9908
37-0252	UTILITY AREA DIESEL FUEL TANK FOR FIRE WATER PUMP	9908
37-0258	HSR LATEX HOLDING TANK (BERTH BERTHA)	9908
37-0290	STYRENE TANK 10	9908
37-0291	STYRENE TANK 11	9908
38-0059	7C DIESEL STORAGE TANK	9908
39-0013	6D OIL STG TANK 1	9908
39-0014	6D OIL STG TANK 2	9908
39-0015	6D OIL STG TANK 3	9908
39-0016	6D OIL STG TANK 4	9908
39-0048	6D BLEND AO SURGE TANK	9908
39-0059	6C DILUTE COAGULATION AID	9908
39-0061	6C CONCENTRATED AMINE STORAGE TANK	9908
39-0068	6D COAGULATION AID STORAGE TK	9908
39-0142	9D LOMAR STG TANK 2	9908
39-0143	9D TKPP STORAGE TANK	9908
39-0149	9D WESTVACO STG TANK 1	9908
39-0150	9D LOMAR STG TANK 1	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
39-0167	9C ROSIN SOAP WEIGH TANK	9908
39-0171	9D OXIDANT BULK STG TANK	9908
39-0176	9C ACTIVATOR DUMP TANK	9908
39-0188	C/D PTF FLEXZONE STG TK	9908
39-0189	C/D PTF RAW ROSIN ACID STG TANK 4	9908
39-0190	C/D PTF RAW ROSIN ACID STG TANK 3	9908
39-0193	C/D PTF SULFOLE MODIFIER STG TK	9908
39-0194	C/D PTF SDD SHORTSTOP STG TK	9908
39-0195	C/D PTF RAW WOOD ROSIN STG TANK 1	9908
39-0210	GASOLINE TANK, WEST LOOP ROAD	9908
39-0213	C/D UNLOADING AREA RAW LIGHT OIL STG TANK 1	9908
39-0214	C/D UNLOADING AREA RAW DARK OIL STG TANK 2	9908
39-0215	C/D UNLOADING AREA RAW DARK OIL STG TANK 3	9908
39-0216	C/D UNLOADING AREA RAW LIGHT OIL STG TANK 4	9908
39-0217	C/D UNLOADING AREA RAW DARK OIL STG TANK 5	9908
39-0219	C/D UNLOADING AREA RAW ACOSIX STG TANK	9908
39-0294	6CC PERCHEM TK (J-LINE,NORTH TANK)	9908
39-0295	6CC BRINE STG TK #2(I-LINE,SOUTH TANK)	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
39-0327	8CC USED OIL TANK, EAST	9908
39-0365	C/D PTF DVB STG TK	9908
39-0366	C/D PTF DDM MODIFIER STG TK	9908
39-0372	A/B PTF HTFA STG TK	9908
39-0374	A/B PTF NON-STAINING RAW OIL STG TANK	9908
39-0381	A/B UNLOADING AREA STAINING RAW OIL STG TANK 1	9908
39-0382	A/B UNLOADING AREA STAINING RAW OIL STG TANK 2	9908
40-0013	6C DILUTE COAGULATION ACID MAKEUP TK	9908
40-0014	6C DILUTE COAGULATION AID SUPPLY TK, G/H	9908
40-0035	6D BLEND AO TANK,#2(SOUTH)	9908
40-0036	6C BLEND AO TANK,#1(NORTH)	9908
40-0037	6D BLEND AO TANK,#1(NORTH)	9908
40-0038	6C BLEND AO TANK,#2(SOUTH)	9908
40-0041	LATEX TANK D-1	9908
40-0042	LATEX TANK D-2	9908
40-0043	LATEX TANK D-3	9908
40-0044	LATEX TANK D-4	9908
40-0045	LATEX TANK D-5	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
40-0046	LATEX TANK D-6	9908
40-0047	LATEX TANK D-7	9908
40-0048	LATEX TANK D-8	9908
40-0049	LATEX TANK D-9	9908
40-0050	LATEX TANK C-11	9908
40-0051	LATEX TANK C-12	9908
40-0052	LATEX TANK C-13	9908
40-0053	LATEX TANK C-14	9908
40-0054	LATEX TANK C-15	9908
40-0055	LATEX TANK C-16	9908
40-0056	LATEX TANK C-17	9908
40-0057	LATEX TANK C-18	9908
40-0058	LATEX TANK C-19	9908
40-0091	LATEX C/D DORR TANK	9908
40-0184	9D-1 AO MAKEUP TANK	9908
40-0185	9D-3 AO MAKEUP TANK	9908
40-0187	9D COMPOSITE MAKEUP TANK	9908
40-0188	9D LOMAR SOLUTION MAKEUP TANK	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
40-0189	9D-2 AO MAKEUP TANK	9908
40-0192	9D SHORTSTOP MAKEUP TANK	9908
40-0193	9D SANTOFLEX STORAGE TANK	9908
40-0195	9D DEFOAMER STG TANK	9908
40-0197	9D SFS ACTIVATOR MAKEUP TANK	9908
40-0210	9C-1 AO MAKEUP TANK	9908
40-0211	9C-2 AO MAKEUP TANK	9908
40-0213	9C PENNSTOP MAKEUP TANK	9908
40-0214	9C PERSULFATE ACTIVATOR MAKEUP	9908
40-0215	9C SHORTSTOP MAKEUP TANK	9908
40-0216	9C HOT SFS ACTIVATOR MAKEUP TANK	9908
40-0229	C/D SOAP UNIT SOAP MAKEUP TANK 101	9908
40-0230	C/D SOAP UNIT SOAP MAKEUP TANK 102	9908
40-0231	C/D SOAP UNIT SOAP MAKEUP TANK 103	9908
40-0232	C/D SOAP UNIT SOAP MAKEUP TANK 104	9908
40-0233	C/D PTF GELTROL STG TK	9908
40-0234	C/D PTF HTFA STG TK	9908
40-0235	C/D SOAP UNIT SOAP MAKEUP TANK 105	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
40-0251	C/D UNLOADING AREA CAUSTIC SOAP MAKEUP TANK	9908
40-0252	C/D UNLOADING AREA DARK OIL EMULSION STG TANK	9908
40-0253	C/D UNLOADING AREA LIGHT OIL EMULSION STG TANK	9908
40-0290	BULK STYRENE TANK	9908
40-0297	6CC AO TANK #1, SOUTH	9908
40-0298	6CC AO TANK #2, NORTH	9908
AIRCOMP	SULL AIR COMPRESSOR	106.512/03/14/1997
40-0309	LATEX TANK CC-41	9908
40-0310	LATEX TANK CC-42	9908
40-0311	LATEX TANK CC-43	9908
40-0312	LATEX TANK CC-44	9908
40-0313	LATEX TANK CC-45	9908
40-0316	LATEX TANK CC-46	9908
40-0344	LATEX TANK B-17	9908
40-0371	LATEX TANK B-16	9908
BOILER 1	56 MMBTU/HR BOILER	74010
BOILER 2	56 MMBTU/HR BOILER	74010
BOILER 3	56 MMBTU/HR BOILER	74010

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
BOILER 4	56 MMBTU/HR BOILER	74010
BOILER 5	145 MMBTU/HR BOILER	74010
DOCK FUGT	RIVER DOCK FUGITIVES	4132A
DOCKFLARE	RIVER DOCK FLARE	4132A
EPPU 1	POLYMERS AND RESINS PROCESS	9908
F-7CBASIN	FUGITIVES (TANK)	9908
F-7DBASIN	FUGITIVES (TANK)	9908
F-MONTF	MONOMER TANK FARM FUGITIVES	9908
F-REACCA	CA REACTOR FUGITIVES	9908
F-REACCB	CB REACTOR FUGITIVES	9908
F-REACCC	CC REACTOR FUGITIVES	9908
F-REACDA	DA REACTOR FUGITIVE BUTADIENE	9908
F-REACDB	DB REACTOR FUGITIVES	9908
F-RECOVCA	CA RECOVERY FUGITIVES	9908
F-RECOVCB	CB RECOVERY FUGITIVES	9908
F-RECOVCC	CC RECOVERY FUGITIVES	9908
F-RECOVDA	DA RECOVERY FUGITIVES	9908
F-RECOVDB	DB RECOVERY FUGITIVES	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
F-RFBASIN	RUBBER FINES PIT FUG EMISSION	9908
F-SKIM	SKIMMER PIT FUG EMISSIONS (TANK)	9908
F-TFLIFT	LIFT FUGITIVES (TANK)	9908
FWPUMP	DIESEL FIREWATER PUMP	106.511/09/04/2000
PLANTFLARE	COPOLYMER FLARE	9908
S-0173VENT	8DA STYRENE SURGE TANK VENT	106.478 09/04/2000
S-0174VENT	8DB STYRENE SURGE TANK VENT	106.478 09/04/2000
S-0175VENT	8CA STYRENE SURGE TANK VENT	106.478 09/04/2000
S-0176VENT	8CB STYRENE SURGE TANK VENT	106.478 09/04/2000
S-0396VENT	8CC STYRENE SURGE TANK VENT	106.478 09/04/2000
S-7CDVENT	RECOVERY VENT BYPASS, AREAS C	9908
S-8CCVENT1	8 CC REACTOR 510 BATCH/CONT	9908
S-DRYERA	PROCESS DRYER A STACK	9908
S-DRYERB	PROCESS DRYER B STACK	9908
S-DRYERC	PROCESS DRYER C STACK	9908
S-DRYERD	PROCESS DRYER D STACK	9908
S-DRYERE	PROCESS DRYER E STACK	9908
S-DRYERF	PROCESS DRYER F STACK	9908

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
S-DRYERG	PROCESS DRYER G STACK	9908
S-DRYERH	PROCESS DRYER H STACK	9908
S-DRYERI	PROCESS DRYER I STACK	9908
S-DRYERJ	PROCESS DRYER J STACK	9908
SERVPUMP	SERVICE PUMP	106.512/06/13/2001
S-EWTRBLST	EAST WATER BLASTER STACK	106.512 06/13/2001
S-SWTRBLST	SOUTH WATER BLASTER STACK	106.512 06/13/2001
S-WWTRBLST	WEST WATER BLASTER STACK	106.512 06/13/2001
UTILGEN2	UTILITIES - 350 KW GENERATOR	106.511/09/04/2000

**APPENDIX A**

**Acronym List ..... 57**

## Acronym List

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

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