

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Texas Molecular Limited Partnership

AUTHORIZING THE OPERATION OF

Chem Plant Deep Well  
Industrial Organic Chemicals

LOCATED AT

Harris County, Texas

Latitude 29° 44' 10" Longitude 095° 5' 30"

Regulated Entity Number: RN100209568

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: O1603 Issuance Date: May 11, 2010

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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. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
    - (i) Title 30 TAC § 101.352 (relating to General Provisions)
    - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
    - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
    - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
    - (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
    - (vi) Title 30 TAC § 101.359 (relating to Reporting)
    - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
    - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
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, Startup, 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 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.

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

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

be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

- (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
  - (iv) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
- 4. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:
  - A. Title 30 TAC § 115.142 (relating to Control Requirements)
  - B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)
  - C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)
  - D. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - E. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - F. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
- 5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements:
  - A. For degassing or cleaning of stationary VOC storage vessels subject to 30 TAC Chapter 115, Subchapter F, Division 3: Degassing or Cleaning of Stationary, Marine, and Transport Vessels, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.541(a)(1) (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.542(a) (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.544 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.545(1) - (9) (relating to Approved Test Methods)
    - (vi) Title 30 TAC § 115.545(11) (relating to Approved Test Methods)
    - (vii) Title 30 TAC § 115.546 (relating to Monitoring and Recordkeeping Requirements)

(viii) Title 30 TAC § 115.547(3) (relating to Exemptions)

6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
  
7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
  - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
  - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
  - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
  - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
  - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
  - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
  - H. Title 40 CFR § 61.15 (relating to Modification)
  - I. Title 40 CFR § 61.19 (relating to Circumvention)
  
8. For facilities where total annual benzene quantity from waste is greater than or equal to 1 megagram per year and less than 10 megagrams per year and subject to emission

standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

- A. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(4)(i) - (ii), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - B. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - C. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.357(a), and (c) (relating to Reporting Requirements)
9. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

#### **Additional Monitoring Requirements**

10. 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**

11. 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
12. 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.
13. The permit holder shall comply with the terms and conditions of the air addendum of the [Municipal Solid Waste], [Industrial Hazardous Waste] permits listed in the New Source Review Authorization Reference Attachment. Requirements other than those of the air addendum are not applicable to this operating permit.
14. The permit holder shall comply with the following requirements of Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611
  - B. General Conditions listed in 30 TAC § 116.615
  - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

### **Compliance Requirements**

15. 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.
16. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
      - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)

17. 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
18. 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**

- 19. 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.

### **Alternative Requirements**

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

### **Permit Location**

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

### **Permit Shield (30 TAC § 122.148)**

- 22. A permit shield is granted for the emission units, groups, or processes specified in the attached “Permit Shield.” Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment “Permit Shield.” Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination

made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Alternative Requirement**

**Applicable Requirements Summary**

**Unit Summary .....16**

**Applicable Requirements Summary .....25**

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
GRPGBR1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	GBR001	GRPGBR1-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPGBR1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	GBR001	GRPGBR1-1	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPGDT1	DISTILLATION OPERATIONS	GDTD001, GDTD002, GDTE001, GDTV001, GDTWFE	GRPGDT1-1	40 CFR Part 60, Subpart NNN	No changing attributes.
GRPGBR1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GBR001	GRPGBR1-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPGDT1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GDTD001, GDTD002, GDTE001, GDTV001, GDTWFE	GRPGDT1-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPGRT1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GRT15001, GRT25001, GRT35001, GRT45001	GRPGRT1-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPGFL1	FLARES	GFL001	GRPGFL1-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPGFL1	FLARES	GFL001	GRPGFL1-1	40 CFR Part 60, Subpart A	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPDFU1	FUGITIVE EMISSION UNITS	DFU001	GRPDFU1-1	40 CFR Part 61, Subpart J	No changing attributes.
GRPDFU1	FUGITIVE EMISSION UNITS	DFU001	GRPDFU1-1	40 CFR Part 61, Subpart V	No changing attributes.
GRPGFU1	FUGITIVE EMISSION UNITS	GFU001	GRPGFU1-1	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPGFU1	FUGITIVE EMISSION UNITS	GFU001	GRPGFU1-1	40 CFR Part 60, Subpart VV	No changing attributes.
DLD4	LOADING/UNLOADING OPERATIONS	N/A	DLD4-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPDLD1	LOADING/UNLOADING OPERATIONS	DLD001	GRPDLD1-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPDLD2	LOADING/UNLOADING OPERATIONS	DLD002	GRPDLD2-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPDLD3	LOADING/UNLOADING OPERATIONS	DLD003	GRPDLD3-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPGLD1	LOADING/UNLOADING OPERATIONS	GLD001, GLD002	GRPGLD1-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
DHR001	PROCESS HEATERS/FURNACES	N/A	DHR001-1	30 TAC Chapter 117, Subchapter B	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPGHR1	PROCESS HEATERS/FURNACES	GHR001, GHR002, GHR003	GRPHR1-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPGRT1	REACTOR	GRT15001, GRT25001, GRT35001, GRT45001, GRT55001, GRTFV7, GRTWV6, GRTWV7, GRTWV8	GRPGRT1-1	40 CFR Part 60, Subpart RRR	No changing attributes.
GRPGDG1	SOLVENT DEGREASING MACHINES	GDG1	GRPGDG1-1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
GRPGENG1	SRIC ENGINES	GENG1	GRPGENG1-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPDTK10	STORAGE TANKS/VESSELS	DTK12, DTK23	GRPDTK10-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPDTK100	STORAGE TANKS/VESSELS	DTK32, DTK33, DTK34, DTK56, DTK59	GRPDTK100-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPDTK100	STORAGE TANKS/VESSELS	DTK32, DTK33, DTK34, DTK56, DTK59	GRPDTK100	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPDTK17	STORAGE TANKS/VESSELS	DTK18, DTK19A, DTK27	GRPDTK17	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPDTK20	STORAGE TANKS/VESSELS	DTK44, DTK45	GRPDTK20-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPDTK20	STORAGE TANKS/VESSELS	DTK44, DTK45	GRPDTK20-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPDTK40	STORAGE TANKS/VESSELS	DTK16, DTK28, DTK29, DTK30	GRPDTK40-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPDTK73	STORAGE TANKS/VESSELS	DTK03, DTK04, DTK05, DTK06	GRPDTK73-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPGTK110	STORAGE TANKS/VESSELS	GTK104, GTK109, GTK204, GTK209, GTK214, GTK219	GRPGTK110-1	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Flare
GRPGTK110	STORAGE TANKS/VESSELS	GTK104, GTK109, GTK204, GTK209, GTK214, GTK219	GRPGTK110-2	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Direct-flame incinerator
GRPGTK110	STORAGE TANKS/VESSELS	GTK104, GTK109, GTK204, GTK209, GTK214, GTK219	GRPGTK110-1	40 CFR Part 60, Subpart Kb	PRODUCT STORED = Volatile organic liquid, STORAGE VESSEL DESCRIPT = Closed vent system (CVS) with a flare used as the control device (fixed roof)
GRPGTK110	STORAGE TANKS/VESSELS	GTK104, GTK109, GTK204, GTK209, GTK214, GTK219	GRPGTK110-2	40 CFR Part 60, Subpart Kb	PRODUCT STORED = Waste mixture of indeterminate or variable composition, STORAGE VESSEL DESCRIPT = CVS and control device other than a flare (fixed roof)
GRPGTK30	STORAGE TANKS/VESSELS	GTK220, GTK221, GTK222, GTK223	GRPGTK30-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPGTK30	STORAGE TANKS/VESSELS	GTK220, GTK221, GTK222, GTK223	GRPGTK30-2	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPGTK40	STORAGE TANKS/VESSELS	GTK200, GTK201, GTK202, GTK203, GTK210, GTK211, GTK212, GTK213, GTK215, GTK216, GTK217, GTK218	GRPGTK40-1	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Flare
GRPGTK40	STORAGE TANKS/VESSELS	GTK200, GTK201, GTK202, GTK203, GTK210, GTK211, GTK212, GTK213, GTK215, GTK216, GTK217, GTK218	GRPGTK40-2	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Direct-flame incinerator
GRPGTK40	STORAGE TANKS/VESSELS	GTK200, GTK201, GTK202, GTK203, GTK210, GTK211, GTK212, GTK213, GTK215, GTK216, GTK217, GTK218	GRPGTK40-1	40 CFR Part 60, Subpart Kb	PRODUCT STORED = Volatile organic liquid, STORAGE VESSEL DESCRIPT = Closed vent system (CVS) with a flare used as the control device (fixed roof)
GRPGTK40	STORAGE TANKS/VESSELS	GTK200, GTK201, GTK202, GTK203, GTK210, GTK211, GTK212, GTK213, GTK215, GTK216, GTK217, GTK218	GRPGTK40-2	40 CFR Part 60, Subpart Kb	PRODUCT STORED = Waste mixture of indeterminate or variable composition, STORAGE VESSEL DESCRIPT = CVS and control device other than a flare (fixed roof)

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPGTK42	STORAGE TANKS/VESSELS	GTK100, GTK101, GTK102, GTK103, GTK105, GTK106, GTK107, GTK108, GTK111, GTK112, GTK113, GTK205, GTK206, GTK207, GTK208	GRPGTK42-1	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Flare
GRPGTK42	STORAGE TANKS/VESSELS	GTK100, GTK101, GTK102, GTK103, GTK105, GTK106, GTK107, GTK108, GTK111, GTK112, GTK113, GTK205, GTK206, GTK207, GTK208	GRPGTK42-2	30 TAC Chapter 115, Storage of VOCs	CONTROL DEVICE TYPE = Direct-flame incinerator
GRPGTK42	STORAGE TANKS/VESSELS	GTK100, GTK101, GTK102, GTK103, GTK105, GTK106, GTK107, GTK108, GTK111, GTK112, GTK113, GTK205, GTK206, GTK207, GTK208	GRPGTK42-1	40 CFR Part 60, Subpart Kb	PRODUCT STORED = Volatile organic liquid, STORAGE VESSEL DESCRIPT = Closed vent system (CVS) with a flare used as the control device (fixed roof)

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPGTK42	STORAGE TANKS/VESSELS	GTK100, GTK101, GTK102, GTK103, GTK105, GTK106, GTK107, GTK108, GTK111, GTK112, GTK113, GTK205, GTK206, GTK207, GTK208	GRPGTK42-2	40 CFR Part 60, Subpart Kb	PRODUCT STORED = Waste mixture of indeterminate or variable composition, STORAGE VESSEL DESCRIP = CVS and control device other than a flare (fixed roof)
GRPGTK42A	STORAGE TANKS/VESSELS	GTK110	GRPGTK42A-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPGTK42A	STORAGE TANKS/VESSELS	GTK110	GRPGTK42A-2	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPDTK100	WASTEWATER UNITS	DTK32, DTK33, DTK34, DTK56, DTK59	GRPDTK100-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK17	WASTEWATER UNITS	DTK18, DTK19A, DTK27	GRPDTK17-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK20	WASTEWATER UNITS	DTK44, DTK45	GRPDTK20-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK20A	WASTEWATER UNITS	DTK46	GRPDTK20A-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK3	WASTEWATER UNITS	DTK38, DTK39	GRPDTK3-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK30A	WASTEWATER UNITS	DTK26	GRPDTK30A-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPDTK40	WASTEWATER UNITS	DTK16, DTK28, DTK29, DTK30	GRPDTK40-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK40B	WASTEWATER UNITS	DTK07, DTK08	GRPDTK40B-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDTK73	WASTEWATER UNITS	DTK03, DTK04, DTK05, DTK06	GRPDTK73-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
ENG2	SRIC ENGINES	N/A	117-ENG2	30 TAC Chapter 117, Subchapter B	No changing attributes.
ENG2	SRIC ENGINES	N/A	III-ENG2	40 CFR Part 60, Subpart III	No changing attributes.
ENG2	SRIC ENGINES	N/A	ZZZZ-ENG2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPDSTBU1	WASTEWATER UNITS	DSTBU1	115WW-00005	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDSTBU1	STORAGE TANKS/VESSELS	DSTBU1	115TK-00056	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPDSTBU1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DSTBU1	115VENT-026	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPDSTBU1	STORAGE TANKS/VESSELS	DSTBU1	61FF-TK02000	40 CFR Part 61, Subpart FF	No changing attributes.
GRPDSTBU2	WASTEWATER UNITS	DSTBU2	115WW-00005	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPDSTBU2	STORAGE TANKS/VESSELS	DSTBU2	115TK-00056	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPDSTBU2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DSTBU2	115VENT-026	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPDSTBU2	STORAGE TANKS/VESSELS	DSTBU2	61FF-TK02000	40 CFR Part 61, Subpart FF	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				
GRPGBR1	EU	GRPGBR1-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.300 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 117, Subchapter B	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 117, Subchapter B	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 117, Subchapter B	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 117, Subchapter B	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 117, Subchapter B
GRPGBR1	EU	GRPGBR1-1	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) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)
GRPGBR1	EU	GRPGBR1-1	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) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)
GRPGBR1	EU	GRPGBR1-1	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) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)

### 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				
GRPGDT1	EP	GRPGDT1-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(b) § 60.18	Each affected facility shall combust the emissions in a flare that meets the requirements of § 60.18.	§ 60.13(i) § 60.663(b) § 60.663(b)(1) § 60.664(a) § 60.664(d) [G]§ 60.664(e) § 60.703(b)(2) § 60.703(b)(2)(i) § 60.703(b)(2)(ii) ** See Alternate Requirement	§ 60.663(b)(2) § 60.665(b) § 60.665(b)(3) § 60.665(d) § 60.665(f) § 60.705(d)(1) § 60.705(d)(2) § 60.705(l)(2) § 60.705(l)(7)	§ 60.665(a) § 60.665(b) § 60.665(b)(3) § 60.665(k) § 60.665(l) § 60.665(l)(2) § 60.665(l)(4) § 60.705(d)(1) § 60.705(d)(2) § 60.705(l)(7)
GRPGBR1	EP	GRPGBR1-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRPGDT1	EP	GRPGDT1-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(A) § 60.18	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
GRPGRT1	EP	GRPGRT1-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(A) § 60.18	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	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				
GRPGFL1	EU	GRPGFL1-1	PM (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
GRPGFL1	CD	GRPGFL1-1	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 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)(6)	None	None
GRPDFU1	EU	GRPDFU1-1	BENZENE	40 CFR Part 61, Subpart J	§ 61.112(a) § 61.112(b)	Each owner or operator subject to this subpart shall comply with the requirements of 40 CFR 61, Subpart V - National Emission Standard for Equipment Leaks (Fugitive Emission Sources).	None	None	None
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

## 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				
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

### 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				
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	§ 61.242-11(b) § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) § 61.242-11(e) § 61.242-11(m)	Vapor recovery systems (for example, condensers and adsorbers) shall be designed and operated to recover the organic vapors vented to them with an efficiency of 95 percent or greater.	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(d) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
GRPDFU1	EU	GRPDFU1-1	VHAP	40 CFR Part 61, Subpart V	§ 61.242-11(c) § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) § 61.242-11(e) § 61.242-11(m)	Design/operate enclosed combustion devices to reduce VHAP emissions vented to them with an efficiency of 95% or greater, or provide a minimum residence time of 0.50 seconds at a minimum temperature of 760 C (1400 °F).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(d) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
GRPGFU1	EU	GRPGFU1-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

### 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				
GRPGFU1	EU	GRPGFU1-1	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)
GRPGFU1	EU	GRPGFU1-1	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)
GRPGFU1	EU	GRPGFU1-1	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)

### 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				
GRPGFU1	EU	GRPGFU1-1	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)
GRPGFU1	EU	GRPGFU1-1	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)
GRPGFU1	EU	GRPGFU1-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

### 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				
GRPGFU1	EU	GRPGFU1-1	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
GRPGFU1	EU	GRPGFU1-1	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
GRPGFU1	EU	GRPGFU1-1	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
GRPGFU1	EU	GRPGFU1-1	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

### 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				
GRPGFU1	EU	GRPGFU1-1	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
GRPGFU1	EU	GRPGFU1-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

## 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				
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-10(g) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) § 60.482-10(h) § 60.482-10(m)	Leaks, as indicated by the specified instrument or by visual inspections, shall be repaired as soon as practicable except as provided in § 60.482-10(h). § 60.482-10(g)(1)-(2)	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-10(d) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) § 60.482-10(m)	Flares used to comply with this subpart shall comply with the requirements of §60.18.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

## 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				
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPGFU1	EU	GRPGFU1-1	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

### 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				
DLD4	EU	DLD4-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
GRPDL1	EU	GRPDL1-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
GRPDL2	EU	GRPDL2-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
GRPDL3	EU	GRPDL3-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	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				
GRPLD1	EU	GRPLD1-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
DHR001	EU	DHR001-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c)
DHR001	EU	DHR001-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)

### 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				
GRPGHR1	EU	GRPHR1-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c)
GRPGHR1	EU	GRPHR1-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
GRPGRT1	EP	GRPGRT1-1	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.702(b) § 60.18	For each vent stream, combust the emissions in a flare that meets the requirements of §60.18.	§ 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d)	§ 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s)	§ 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s)

### 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				
GRPGDG1	EU	GRPGDG1-1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) [G]§ 115.412(1)(F) § 115.417(1)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
GRPGENG1	EU	GRPGENG1-1	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GRPDTK10	EU	GRPDTK10-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPDTK100	EU	GRPDTK100-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	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				
GRPDTK100	EU	GRPDTK100	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPDTK17	EU	GRPDTK17	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPDTK20	EU	GRPDTK20-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPDTK20	EU	GRPDTK20-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

## 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				
GRPDTK40	EU	GRPDTK40-1	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)
GRPDTK73	EU	GRPDTK73-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK110	EU	GRPGTK110-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK110	EU	GRPGTK110-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK110	EU	GRPGTK110-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)

### 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				
GRPGTK110	EU	GRPGTK110-2	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPGTK30	EU	GRPGTK30-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK30	EU	GRPGTK30-2	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPGTK40	EU	GRPGTK40-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	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				
GRPGTK40	EU	GRPGTK40-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK40	EU	GRPGTK40-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
GRPGTK40	EU	GRPGTK40-2	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPGTK42	EU	GRPGTK42-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See Periodic Monitoring Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK42	EU	GRPGTK42-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	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				
GRPGTK42	EU	GRPGTK42-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
GRPGTK42	EU	GRPGTK42-2	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPGTK42A	EU	GRPGTK42A-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(3) § 115.116(a)(3)(A) § 115.116(a)(4) § 115.116(a)(5)	None
GRPGTK42A	EU	GRPGTK42A-2	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

### 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				
GRPDTK100	EU	GRPDTK100-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
GRPDTK17	EU	GRPDTK17-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(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				
GRPDTK20	EU	GRPDTK20-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
GRPDTK20A	EU	GRPDTK20A-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(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				
GRPDTK3	EU	GRPDTK3-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
GRPDTK30A	EU	GRPDTK30A-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(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				
GRPDTK40	EU	GRPDTK40-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
GRPDTK40B	EU	GRPDTK40B-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(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				
GRPDTK73	EU	GRPDTK73-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(G) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(G) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
ENG2	EU	117-ENG2	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	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				
ENG2	EU	III-ENG2	CO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
ENG2	EU	III-ENG2	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(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				
ENG2	EU	III-ENG2	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
ENG2	EU	ZZZZ-ENG2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

### Applicable Requirements Summary

Unit/Group/Process		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				
GRPDSTBU1	EU	115WW-00005	VOC	30 TAC Chapter 115, Industrial Wastewater	[G]§ 115.143(b) § 115.143(b)(3) [G]§ 115.148	The owner of a wastewater storage, handling, transfer, or treatment facility may elect 90% overall control option, provided that the specified requirements are met. §§115.143(b)(1)-(3)	§ 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	§ 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	§ 115.143(b)(1) § 115.143(b)(2)
GRPDSTBU1	EU	115TK-00056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	None
GRPDSTBU1	EP	115VENT-026	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 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

### 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				
GRPDSTBU1	EU	61FF-TK02000	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(2) § 61.343(d) § 61.343(e)(1) § 61.343(e)(2) § 61.343(e)(3) § 61.343(e)(4) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator must install, operate, and maintain an enclosure and closed-vent system that routes all organic vapors vented from the tank, located inside the enclosure, to a control device in accordance with the requirements specified in paragraph (e) of this section.	§ 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4) § 61.356(n) § 61.356(n)(1) § 61.356(n)(2)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
GRPDSTBU2	EU	115WW-00005	VOC	30 TAC Chapter 115, Industrial Wastewater	[G]§ 115.143(b) § 115.143(b)(3) [G]§ 115.148	The owner of a wastewater storage, handling, transfer, or treatment facility may elect 90% overall control option, provided that the specified requirements are met. §§115.143(b)(1)-(3)	§ 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	§ 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	§ 115.143(b)(1) § 115.143(b)(2)

### 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				
GRPDSTBU2	EU	115TK-00056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	None
GRPDSTBU2	EP	115VENT-026	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 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
GRPDSTBU2	EU	61FF-TK02000	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(2) § 61.343(d) § 61.343(e)(1) § 61.343(e)(2) § 61.343(e)(3) § 61.343(e)(4) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator must install, operate, and maintain an enclosure and closed-vent system that routes all organic vapors vented from the tank, located inside the enclosure, to a control device in accordance with the requirements specified in paragraph (e) of this section.	§ 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4) § 61.356(n) § 61.356(n)(1) § 61.356(n)(2)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)

**Additional Monitoring Requirements**

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## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPDTK100	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPDTK100
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPDTK20	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPDTK20-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGBR1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: GRPGBR1-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
<b>MONITORING INFORMATION</b>	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Opacity greater than 15%.	
<p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGDG1	
Control Device ID No.: GDG1	Control Device Type: Other Control Device Type
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: GRPGDG1-1
Pollutant: VOC	Main Standard: § 115.412(1)
<b>MONITORING INFORMATION</b>	
Indicator: Visual Inspection	
Minimum Frequency: monthly	
Averaging Period: n/a	
Deviation Limit: Inspection for compliance with 30 TAC 115.412(1)(A)-(F)	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK110	
Control Device ID No.: GFL001	Control Device Type: Flare
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: GRPGTK110-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Pilot Flame	
Minimum Frequency: once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK110	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPGTK110-2
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK30	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPGTK30-2
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK40	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: GRPGTK40-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Pilot Flame	
Minimum Frequency: once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK40	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPGTK40-2
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

### Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK42	
Control Device ID No.: N/A	Control Device Type: N/A
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: GRPGTK42-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>MONITORING INFORMATION</b>	
Indicator: Pilot Flame	
Minimum Frequency: once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of a pilot flame.	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK42	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPGTK42-2
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

## Periodic Monitoring Summary

<b>UNIT/GROUP/PROCESS INFORMATION</b>	
ID No.: GRPGTK42A	
Control Device ID No.: GRPDTOSTK	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
<b>APPLICABLE REGULATORY REQUIREMENT</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: GRPGTK42A-2
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>MONITORING INFORMATION</b>	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Minimum temperature = 1400 degrees Fahrenheit	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

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

**Permit Shield**

**Permit Shield .....69**

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPDOSTK	DTOSTK	30 TAC Chapter 115, Vent Gas Controls	All VOCs in the vent gas stream originate from a source(s) for which another division within Chapter 115 has established a control requirement(s), emission specification(s), or exemption(s).
GRPGFL1	GFL001	30 TAC Chapter 115, HRVOC Vent Gas	Grouping represents flares that do not have the potential to emit a highly-reactive volatile organic compound.
GRPDCT1	DCT001	30 TAC Chapter 115, HRVOC Cooling Towers	Grouping represents cooling towers that do not have the potential to emit a highly-reactive volatile organic compound.
GRPDCT1	DCT001	40 CFR Part 63, Subpart Q	Does not use chromium based water treatment chemicals.
GRPGCT1	GCT001	30 TAC Chapter 115, HRVOC Cooling Towers	Grouping represents cooling towers that do not have the potential to emit a highly-reactive volatile organic compound.
GRPGCT1	GCT001	40 CFR Part 63, Subpart Q	Does not use chromium based water treatment chemicals.
DTK5201	N/A	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DTK5201	N/A	40 CFR Part 60, Subpart Kb	Storage tank capacity less than 75 cubic meters.
DTKBATCH	N/A	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
DTKBATCH	N/A	40 CFR Part 60, Subpart Kb	Storage tank capacity less than 75 cubic meters.
GRPGTK300	GTK304, GTK307, GTK308	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
GRPGTK300	GTK304, GTK307, GTK308	40 CFR Part 60, Subpart Kb	Grouping represents storage tanks with less than 75 cubic meters capacity.
GRPTKFT	DTKFT1, DTKFT2	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
GRPTKFT	DTKFT1, DTKFT2	40 CFR Part 60, Subpart Kb	Grouping represents storage tanks with less than 75 cubic meters capacity.
GTKDSL	N/A	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
GTKDSL	N/A	40 CFR Part 60, Subpart Kb	Storage tank capacity less than 75 cubic meters.
GRPGENG1	GENG1	30 TAC Chapter 112, Sulfur Compounds	Not a liquid fuel fired steam generator, furnace, or heater.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPDTK20A	DTK46	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
GRPDTK3	DTK38, DTK39	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
GRPDTK3	DTK38, DTK39	40 CFR Part 60, Subpart K	Grouping represents storage tanks with less than 40,000 gallon capacity and storing nonpetroleum liquids.
GRPDTK3	DTK38, DTK39	40 CFR Part 60, Subpart Ka	Does not store petroleum liquid.
GRPDTK3	DTK38, DTK39	40 CFR Part 60, Subpart Kb	Storage capacity of each vessel in the grouping is less than 75 cubic meters.
GRPDTK3	DTK38, DTK39	40 CFR Part 63, Subpart OO	40 CFR Part 63 Subpart OO is not referenced by any other subpart of 40 CFR Part 60, 61, or 63.
GRPDTK40	DTK16, DTK28, DTK29, DTK30	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.
GRPDTK40B	DTK07, DTK08	40 CFR Part 60, Subpart Ka	Grouping represents storage tanks storing nonpetroleum liquids.
GRPDTK40B	DTK07, DTK08	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPDTK73	DTK03, DTK04, DTK05, DTK06	40 CFR Part 60, Subpart K	Grouping represents storage tanks with less than 40,000 gallon capacity and storing nonpetroleum liquids.
GRPGTK5	GTKLAB	40 CFR Part 60, Subpart Kb	Grouping represents storage tanks with less than 10,600 gallon capacity.
GRPGTK5	GTKLAB	30 TAC Chapter 115, Storage of VOCs	Vapor pressure of material less than 1.5 psia at storage conditions.

**New Source Review Authorization References**

**New Source Review Authorization References ..... 74**

**New Source Review Authorization References by Emission Unit..... 75**

## 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.: 22094	Authorization No.: 49822
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 005	Version No./Date: 09/12/1989
Number: 007	Version No./Date: 05/04/1994
Number: 008	Version No./Date: 11/25/1985
Number: 051	Version No./Date: 11/25/1985
Number: 051	Version No./Date: 08/30/1988
Number: 051	Version No./Date: 09/12/1989
Number: 051	Version No./Date: 10/04/1995
Number: 061	Version No./Date: 08/30/1988
Number: 080	Version No./Date: 08/16/1993
Number: 106	Version No./Date: 03/15/1985
Number: 106	Version No./Date: 08/30/1988
Number: 106	Version No./Date: 06/07/1996
Number: 118	Version No./Date: 06/07/1996
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000
<b>Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>	
Permit No.: HW-50058	

### 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
DCT001	COOLING TOWER	008/11/25/1985
DFU001	FUGITIVES	106/03/15/1985
DHR001	WAO HOT OIL HEATER	106.183/09/04/2000
DLD001	TRUCK LOADING/UNLOADING MAIN	49822
DLD002	TRUCK UNLOADING SOUR WATER	051/09/12/1989
DLD003	TRUCK UNLOADING SEA LION	051/09/12/1989
DLD4	TRUCK UNLOADING CAUSTIC PAD	106.472/09/04/2000
DSTBU1	STABILIZATION TANK MT-1	49822
DSTBU2	STABILIZATION TANK MT-2	49822
DTK03	TANK	49822
DTK04	TANK	49822
DTK05	TANK	49822
DTK06	TANK	49822
DTK07	TANK	051/11/25/1985
DTK08	TANK	051/11/25/1985
DTK12	TANK	49822
DTK16	TANK	051/11/25/1985
DTK18	TANK	49822

### 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
DTK19A	TANK	49822
DTK23	TANK	49822
DTK26	TANK	051/11/25/1985
DTK27	TANK	49822
DTK28	TANK	051/11/25/1985
DTK29	TANK	051/11/25/1985
DTK30	TANK	051/11/25/1985
DTK32	TANK	49822
DTK33	TANK	49822
DTK34	TANK	49822
DTK38	TANK	051/11/25/1985
DTK39	TANK	051/11/25/1985
DTK44	TANK	49822
DTK45	TANK	49822
DTK46	TANK	051/11/25/1985
DTK5201	TANK T-5201	106.472/09/04/2000
DTK56	TANK	49822
DTK59	TANK	49822

### 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
DTKBATCH	BATCH TANK	106.532/09/04/2000
DTKFT1	TANK FT-1	106.532/09/04/2000
DTKFT2	TANK FT-2	106.532/09/04/2000
DTOSTK	THERMAL OXIDIZER	49822
GBR001	BOILER	22094
GBR001	BOILER STACK	22094
GCT001	COOLING TOWER	22094
GDG1	COLD SOLVENT DEGREASER	106.454/03/14/1997
GDTD001	DISTILLATION COLUMN	22094
GDTD002	DISTILLATION COLUMN	22094
GDTE001	STILL POT	22094
GDTV001	ACETONITRILE EXTRACTOR	118/06/07/1996
GDTWFE	THIN FILM EVAPORATOR	22094
GENG1	FIRE PUMP ENGINE	005/09/12/1989
GFL001	FLARE	22094
GFU001	FUGITIVES	22094
GHR001	HEATER H-001	22094
GHR002	HEATER H-002	22094

### 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
GHR003	HEATER H-003	22094
GLD001	TANK TRUCK LOADING (WEST)	22094
GLD002	TANK TRUCK LOADING (EAST)	22094
GRT15001	REACTOR R-15001	22094
GRT25001	REACTOR R-25001	22094
GRT35001	REACTOR R-35001	22094
GRT45001	REACTOR R-45001	22094
GRT55001	REACTOR R-55001	22094
GRTFV7	REACTOR F-7	106.261/11/01/2003
GRTWV6	REACTOR W-6	106.261/12/24/1998
GRTWV7	REACTOR W-7	106.261/12/24/1998
GRTWV8	REACTOR W-8	106.261/12/24/1998
GTK100	TANK	22094
GTK101	TANK	22094
GTK102	TANK	22094
GTK103	TANK	22094
GTK104	TANK	22094
GTK105	TANK	22094

### 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
GTK106	TANK	22094
GTK107	TANK	22094
GTK108	TANK	22094
GTK109	TANK	22094
GTK110	TANK	22094
GTK111	TANK	22094
GTK112	TANK	22094
GTK113	TANK	22094
GTK200	TANK	22094
GTK201	TANK	22094
GTK202	TANK	22094
GTK203	TANK	22094
GTK204	TANK	22094
GTK205	TANK	22094
GTK206	TANK	22094
GTK207	TANK	22094
GTK208	TANK	22094
GTK209	TANK	22094

### 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
GTK210	TANK	22094
GTK211	TANK	22094
GTK212	TANK	22094
GTK213	TANK	22094
GTK214	TANK	22094
GTK215	TANK	22094
GTK216	TANK	22094
GTK217	TANK	22094
GTK218	TANK	22094
GTK219	TANK	22094
GTK220	TANK	22094
GTK221	TANK	22094
GTK222	TANK	22094
GTK223	TANK	22094
GTK304	TANK 304	106.473/09/04/2000
GTK305	TANK	051/09/12/1989
GTK307	TANK 307	106.472/09/04/2000
GTK308	TANK 308	106.472/09/04/2000

### New Source Review Authorization References by Emissions Unit

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
GTKDSL	DIESEL STORAGE TANK	106.472/09/04/2000
GTKLAB	LAB WATER TANK	051/09/12/1989
ENG2	DIESEL-FIRED EMERGENCY GENERATOR	106.511/09/04/2000

**Alternative Requirement**

**Alternative Requirement.....83**



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

SEP 22 1999

Mr. W. R. Reeves, Jr.  
Vice President, Regulatory Affairs  
The GNI Group  
2525 Battleground Road  
P.O. Box 1914  
Deer Park, TX 77536-1914

Re: Approval of Alternative Monitoring for NSPS Subpart NNN  
GNI Chemicals, Inc., Chemical Tolling Facility  
Deer Park, Harris County, Texas  
TNRCC Account No. HG-3043-A

Dear Mr. Reeves:

By letter dated October 5, 1998, GNI Chemicals, Inc. (GNIC) requested that the flow indicator location requirement established under the New Source Performance Standards (NSPS) under Subpart NNN - *Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations* of Title 40, Code of Federal Regulations (CFR) Part 60 be waived for the Deer Park Chemical Tolling Facility. GNIC requested that the flow indicator location requirement specified under NSPS Subpart RRR - *Standards of Performance for Volatile Organic Compound Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes* be approved as a alternate location.

GNIC processes a number of chemicals using any combination of distillation and reaction vessels to produce a variety of products. The distillation operations may or may not be subject to NSPS Subpart NNN depending on the chemicals produced in the current chemical tolling operation. The process vents from the distillation columns are routed to a flare. GNIC requested an alternate flow indicator location for two existing or any future distillation operations. In a telephone conversation with Mr. George V. Marusak of my staff on August 16, 1999, Mr. Taylor Duke of GNIC stated that GNIC currently had three distillation columns at its Deer Park Chemical Tolling Facility.

Under NSPS Subpart NNN, a flow indicator that provides a record of the vent stream flow to the flare at least once every hour for each affected facility or distillation unit is required under paragraph (b)(2) of 40 CFR 60.663. Under NSPS Subpart RRR, a flow indicator must be installed at the entrance to any bypass line that could divert the vent stream from being routed to the flare or to the boiler or process heater or the bypass line valve must be secured in the closed position with a car-seal or a lock-and-key type configuration under paragraphs (b)(2), (b)(2)(i), and (b)(2)(ii) of 40 CFR 60.703. Vent stream flow monitoring requirements were promulgated

under NSPS Subpart RRR that are different from those under NSPS Subpart NNN because the installation of flow indicators as specified under NSPS Subpart NNN may be insufficient to meet the intent of the flow monitoring requirements, as EPA explained in the *Federal Register* preamble to NSPS Subpart RRR (58 FR 45962, August 31, 1993).

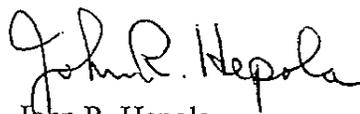
Pursuant to 40 CFR 60.13(i), we are approving the provisions of paragraphs (b)(2), (b)(2)(i), and (b)(2)(ii) of § 60.703 of NSPS Subpart RRR as alternative monitoring to the provisions of paragraph (b)(2) of § 60.663 of NSPS Subpart NNN for vents streams from distillation columns at GNIC's Deer Park Chemical Tolling Facility. GNIC must comply with the reporting and recordkeeping requirements under paragraphs (d)(1), (d)(2), (l)(2), and (l)(7) of § 60.705 of NSPS Subpart RRR.

The authority to implement NSPS in the state of Texas has been delegated to the Texas Natural Resource Conservation Commission (TNRCC). Therefore, please submit any future requests regarding delegated programs to the TNRCC. The TNRCC will forward any requests which require our approval to us.

By letter dated August 18, 1999, we notified the TNRCC of our intention to approve this alternative monitoring. The TNRCC did not have any objections to our approving this alternative monitoring, nor any proposed conditions to this alternative monitoring.

If you have any questions concerning the matters addressed in this letter, please contact Mr. Marusak at (214) 665-8366.

Sincerely yours,



John R. Hepola

Chief

Air/Toxics and Inspection

Coordination Branch

cc: Jeffrey P. Greif, TNRCC  
David Bower, TNRCC  
Orbie Ratcliff, TNRCC Region 12 - Houston



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

AUG 18 1999

Mr. Jeffrey P. Greif  
Section Manager, Engineering Services Section  
Enforcement Division  
Texas Natural Resource Conservation Commission  
P.O. Box 13087  
Austin, TX 78711-3087

Re: Request for Waiver of NSPS Subpart NNN Flow Indicator Requirement  
GNI Chemicals, Inc., Chemical Tolling Facility  
Deer Park, Harris County, Texas  
TNRCC Account No. HG-3043-A

Dear Mr. Greif:

By letter dated October 5, 1998, GNI Chemicals, Inc. (GNIC) requested that the flow indicator location requirement established under the New Source Performance Standards (NSPS) under Subpart NNN - *Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations* of Title 40, Code of Federal Regulations (CFR) Part 60 be waived for the Deer Park Chemical Tolling Facility. GNIC requested that the flow indicator location requirement specified under NSPS Subpart RRR - *Standards of Performance for Volatile Organic Compound Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes* be approved as a alternate location. A copy of GNIC's letter is enclosed for your information.

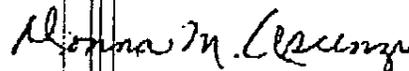
GNIC processes a number of chemicals using any combination of distillation and reaction vessels to produce a variety of products. The distillation operations may or may not be subject to NSPS Subpart NNN depending on the chemicals produced in the current chemical tolling operation. The process vents from the distillation columns are routed to a flare. GNIC requested an alternate flow indicator location for two existing or any future distillation operations. In a telephone conversation with Mr. George V. Marusak of my staff on August 16, 1999, Mr. Taylor Duke of GNIC stated that GNIC currently had three distillation columns at its Deer Park Chemical Tolling Facility.

Under NSPS Subpart NNN, a flow indicator that provides a record of the vent stream flow to the flare at least once every hour for each affected facility or distillation unit is required under paragraphs (b)(2) of 40 CFR 60.663. Under NSPS Subpart RRR, a flow indicator must be installed at the entrance to any bypass line that could divert the vent stream from being routed to the flare or to the boiler or process heater or the bypass line valve must be secured in the closed position with a car-seal or a lock-and-key type configuration under paragraphs (b)(2), (b)(2)(i), and (b)(2)(ii) of 40 CFR 60.703. Vent stream flow monitoring requirements were promulgated under NSPS Subpart RRR that are different from those under NSPS Subpart NNN because the installation of flow indicators as specified under NSPS Subpart NNN may be insufficient to meet the intent of the flow monitoring requirements, as EPA explained in the *Federal Register* preamble to NSPS Subpart RRR (58 FR 45962, August 31, 1993).

Pursuant to 40 CFR 60.13(i), we are proposing to approve the provisions of paragraphs (b)(2), (b)(2)(i), and (b)(2)(ii) of § 60.703 of NSPS Subpart RRR as alternative monitoring to the provisions of paragraphs (b)(2) of § 60.663 of NSPS Subpart NNN for vents streams from distillation columns at GNIC's Deer Park Chemical Tolling Facility. GNIC must comply with the reporting and recordkeeping requirements under paragraphs (d)(1), (d)(2), (l)(2), and (l)(7) of § 60.705 of NSPS Subpart RRR.

If you have any objections to our approving this alternative monitoring, any proposed conditions to this alternative monitoring, or any other comments, please provide them within 30 days of your receipt of this letter. If you have any questions concerning this matter, please contact Mr. Marusak at (214) 665-8366.

Sincerely yours,



Donna Ascenzi  
Chief  
Air Enforcement Section

Enclosure

cc: David Bower, TNRCC (w enclosure)  
Orbie Ratcliff, TNRCC Region 12 - Houston (w enclosure)  
W. R. Reeves, Jr., GNIC (w/o enclosure)

**Appendix A**

**Acronym List..... 88**

## Acronym List

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

30 TAC Chapter 112.....	Title 30 Texas Administrative Code Chapter 112
40 CFR Part 60, Appendix A.....	Title 40 Code of Federal Regulations Part 60, Appendix A
ACFM.....	actual cubic feet per minute
AMOC.....	alternate means of control
ARP.....	Acid Rain Program
ASTM.....	American Society of Testing and Materials
B/PA.....	Beaumont/Port Arthur (nonattainment area)
CAM.....	Compliance Assurance Monitoring
CD.....	control device
COMS.....	continuous opacity monitoring system
CVS.....	closed-vent system
D/FW.....	Dallas/Fort Worth (nonattainment area)
DR.....	Designated Representative
EIP.....	El Paso (nonattainment area)
EP.....	emission point
EPA.....	U.S. Environmental Protection Agency
EU.....	emission unit
FCAA Amendments.....	Federal Clean Air Act Amendments
FOP.....	federal operating permit
GF.....	grandfathered
gr/100 scf.....	grains per 100 standard cubic feet
HAP.....	hazardous air pollutant
H/G/B.....	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S.....	hydrogen sulfide
ID No.....	identification number
lb/hr.....	pound(s) per hour
MMBtu/hr.....	Million British thermal units per hour
MRRT.....	monitoring, recordkeeping, reporting, and testing
NA.....	nonattainment
N/A.....	not applicable
NADB.....	National Allowance Data Base
NO <sub>x</sub> .....	nitrogen oxides
NSPS.....	New Source Performance Standard (40 CFR Part 60)
NSR.....	New Source Review
ORIS.....	Office of Regulatory Information Systems
Pb.....	lead
PBR.....	Permit By Rule
PM.....	particulate matter
ppmv.....	parts per million by volume
PSD.....	prevention of significant deterioration
RO.....	Responsible Official
SO <sub>2</sub> .....	sulfur dioxide
TCEQ.....	Texas Commission on Environmental Quality
TSP.....	total suspended particulate
TVP.....	true vapor pressure
U.S.C.....	United States Code
VOC.....	volatile organic compound