

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Bayer MaterialScience LLC

AUTHORIZING THE OPERATION OF

BC

Industrial Organic Chemicals

LOCATED AT

Chambers County, Texas

Latitude 29° 45' 39" Longitude 094° 54' 30"

Regulated Entity Number: RN100209931

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: O2103 Issuance Date: _____

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

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

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
- E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. Emission units subject to 40 CFR Part 63, Subpart NNNNN as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1230 which incorporates the 40 CFR Part 63 Subpart by reference.
- G. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.302 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
 - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
 - (v) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
 - (vi) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- H. 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

I. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 101.372 (relating to General Provisions)
- (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
- (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
- (iv) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)
- (v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
- (vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

- B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible

emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

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

opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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. 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.
- C. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- 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)
- 4. 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)
- 5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

- 6. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
 - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

- B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
 - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
 - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
 - E. The permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:
 - (i) Once a year the permit holder shall inspect the capture system in compliance of CAM for leaks in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppm above background or as defined by the underlying applicable requirement; or
 - (ii) Once a month, the permit holder shall conduct a visual, audible, and/or olfactory inspection of the capture system in compliance of CAM to detect leaking components.
 - F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
7. 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

8. 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
9. 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.
10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.
 - A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
 - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

11. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
13. 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)
 - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).
 - C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
14. 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
- 15. 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

- 16. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

- 17. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
 - B. The permit holder shall comply with 40 CFR Part 82, Subpart F related to the disposal requirements for appliances using Class I or Class II (ozone-depleting) substances or non-exempt substitutes as specified in 40 CFR §§ 82.150 - 82.166 and the applicable Part 82 Appendices.

Alternative Requirements

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

Permit Location

19. 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)

20. 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 23

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
FC83000100	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FT11015300	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	U15/To2-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FT11015900	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FT11016000	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FT11016100	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV11014000	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	U15/To2-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV11500411	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FV11521201	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-001	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV11602000	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV12002011	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	U15/T02-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV12002022	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	U15/T02-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV12018100	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FV12502022	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	U15/T02-02	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FVHCLHEADR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FVSCRUBRHD	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
FU10500001	FUGITIVE EMISSION UNITS	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FL10530900	LOADING/UNLOADIN G OPERATIONS	N/A	R5211	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
FL10531600	LOADING/UNLOADIN G OPERATIONS	N/A	U04/To1-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
FL72005110	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FL72005120	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FL72005130	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FL72005140	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FL72005150	MISCELLANEOUS UNITS	N/A	63NNNNN-LR	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FT11000510	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FT11000610	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FT11013700	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FT11515900	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FT11518000	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FT11600900	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FU10500001	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FV11602000	MISCELLANEOUS UNITS	N/A	63NNNNN	40 CFR Part 63, Subpart NNNNN	No changing attributes.
FG11609400	SRIC ENGINES	N/A	R7310-E01	30 TAC Chapter 117, Subchapter B	No changing attributes.
FG11609400	SRIC ENGINES	N/A	60IIII-EMER	40 CFR Part 60, Subpart IIII	No changing attributes.
FG11609400	SRIC ENGINES	N/A	63ZZZZ-001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FG11609500	SRIC ENGINES	N/A	R7310-E01	30 TAC Chapter 117, Subchapter B	No changing attributes.
FG11609500	SRIC ENGINES	N/A	60IIII-EMER	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FG11609500	SRIC ENGINES	N/A	63ZZZZ-001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FG12509310	SRIC ENGINES	N/A	R7310-E02	30 TAC Chapter 117, Subchapter B	No changing attributes.
FG84007400	SRIC ENGINES	N/A	R7310-E03	30 TAC Chapter 117, Subchapter B	No changing attributes.
FG84007500	SRIC ENGINES	N/A	R7310-E03	30 TAC Chapter 117, Subchapter B	No changing attributes.
FT10510300	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT10510700	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT10520500	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT10520600	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT10530900	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11000510	STORAGE TANKS/VESSELS	N/A	R5112-003	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11000610	STORAGE TANKS/VESSELS	N/A	R5112-003	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11012300	STORAGE TANKS/VESSELS	N/A	R5112-002	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
FT11512310	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11512320	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11515500	STORAGE TANKS/VESSELS	N/A	R5112-003	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11515900	STORAGE TANKS/VESSELS	N/A	R5112-003	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11600900	STORAGE TANKS/VESSELS	N/A	R5112-003	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11602100	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FT11602400	STORAGE TANKS/VESSELS	N/A	R5112-002	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FV11017700	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
FV11512500	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
FV11519000	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FV11602700	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FC83000100	EP	R1111	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
FT11015300	EP	U15/To2-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FT11015900	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FT11016000	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11016100	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FV11014000	EP	U15/To2-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FV11500411	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FV11521201	EP	R5121-001	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FV11602000	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FV12002011	EP	U15/To2-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FV12002022	EP	U15/To2-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FV12018100	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FV12502022	EP	U15/To2-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
FVHCLHEA DR	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(A)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
FVSCRUBR HD	EP	R5121	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from 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
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	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
FU10500001	EU	R5352ALL	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
FU10500001	EU	R5352ALL	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 ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.353(a) § 115.353(b) § 115.910	For all affected persons in the Beaumont-Port Arthur, Dallas-Fort Worth, El Paso, and Houston-Galveston areas, as defined in §115.10, any alternate methods of demonstrating and documenting continuous compliance with the applicable control requirements or exemption criteria in this division may be approved by the executive director in accordance with §115.910 if emission reductions are demonstrated to be substantially equivalent.	None	None	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 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(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 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(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 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) [G]§ 115.356(3)(C) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 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) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 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) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 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) [G]§ 115.356(3)(C) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 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) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 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) [G]§ 115.356(3)(C) § 115.356(5)	None
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound.	§ 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) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(8) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	No component shall be allowed to have a VOC leak, for more than 15 days, after discovery. If the owner or operator elects to use the alternative work practice in §115.358 of this title, any leak detected as defined in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
FL10530900	EU	R5211	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 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)	None
FL10531600	EU	U04/To1-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 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)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL72005110	EU	63NNNN N	HAP	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9005(a)-(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1)-(5) § 63.9020(c) § 63.9020(c)(1) § 63.9020(e)(3) § 63.9020(e)(4) § 63.9025(a)(1)-(5) § 63.9025(b)(1)-(3) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b) § 63.9035(b)(1) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(3)-(5) § 63.9060(a)-(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9030(c) § 63.9040(c) § 63.9045(a)-(b) § 63.9045(f) § 63.9045(g)(1)-(2) § 63.9050(a) § 63.9050(b)(1)-(5) § 63.9050(c)(1)-(10) § 63.9050(d)(1)-(9) § 63.9050(e) § 63.9050(f)(1)-(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL72005120	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9020(c) § 63.9020(c)(1) § 63.9020(c)(3) § 63.9020(c)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9025(b)(1) § 63.9025(b)(2) § 63.9025(b)(3) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b) § 63.9035(b)(1) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL72005130	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9025(a)(4) § 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9020(c) § 63.9020(c)(1) § 63.9020(c)(3) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(5) § 63.9025(b)(1) § 63.9025(b)(2) § 63.9025(b)(3) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b) § 63.9035(b)(1) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL72005140	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9020(c) § 63.9020(e)(1) § 63.9020(e)(3) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9025(b)(1) § 63.9025(b)(2) § 63.9025(b)(3) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b) § 63.9035(b)(1) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL72005150	EU	63NNNN N-LR	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.9000(a), Table 1.3 § 63.9000(b) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) [G]§ 63.9020(e)(1) § 63.9040(e) § 63.9065(a)	Emission stream from an HCl transfer operation at an existing source must reduce HCl emissions by 99 percent or greater or achieve an outlet concentration of 120 ppm by volume or less.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) [G]§ 63.9020(a) [G]§ 63.9020(b) § 63.9020(c) § 63.9020(c)(1) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9035(b)(2) § 63.9055(a) [G]§ 63.9055(b) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11000510	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9000(d) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)		[G]§ 63.9025(b) § 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(2) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9055(b)(6)(i) § 63.9055(b)(6)(ii) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) § 63.9045(g)(1) § 63.9045(g)(2) § 63.9050(a) § 63.9050(b)(1) § 63.9050(b)(2) § 63.9050(b)(3) § 63.9050(b)(4) § 63.9050(b)(5) § 63.9050(c)(1) § 63.9050(c)(10) § 63.9050(c)(2) § 63.9050(c)(3) § 63.9050(c)(4) § 63.9050(c)(5) § 63.9050(c)(6) § 63.9050(c)(7) § 63.9050(c)(8) § 63.9050(c)(9) § 63.9050(d)(1) § 63.9050(d)(2) § 63.9050(d)(3) § 63.9050(d)(4) § 63.9050(d)(5) § 63.9050(d)(6) § 63.9050(d)(7) § 63.9050(d)(8) § 63.9050(d)(9) § 63.9050(e) § 63.9050(f)(1) § 63.9050(f)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11000610	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9000(d) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1) § 63.9020(e)(1)(i) § 63.9020(e)(1)(ii) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(2) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9055(b)(6)(i) § 63.9055(b)(6)(ii) § 63.9060(a) § 63.9060(b) § 63.9060(c)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11013700	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9000(d) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9035(b)(2) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(2) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11515900	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9000(d) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1) § 63.9020(e)(1)(i) § 63.9020(e)(1)(ii) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9005(d)(6) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9035(b)(2) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(2) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9055(b)(6)(i) § 63.9055(b)(6)(ii) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11518000	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9000(d) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9035(b)(2) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(2) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11600900	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9020(e)(1)(ii) § 63.9000(a) § 63.9000(b) § 63.9000(d) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1) § 63.9020(e)(1)(i) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9035(b)(2) § 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(2) § 63.9055(b)(3) § 63.9055(b)(4) § 63.9055(b)(5) § 63.9055(b)(6)(i) § 63.9055(b)(6)(ii) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU10500001	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9030(a) § 63.9040(a) § 63.9040(b)	§ 63.9055(a) § 63.9055(b)(1) § 63.9055(b)(5) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(f) § 63.9045(g)(1) § 63.9045(g)(2) § 63.9050(a) § 63.9050(b)(1) § 63.9050(b)(2) § 63.9050(b)(3) § 63.9050(b)(4) § 63.9050(b)(5) § 63.9050(c)(1) § 63.9050(c)(10) § 63.9050(c)(2) § 63.9050(c)(3) § 63.9050(c)(4) § 63.9050(c)(5) § 63.9050(c)(6) § 63.9050(c)(7) § 63.9050(c)(8) § 63.9050(c)(9) § 63.9050(d)(1) § 63.9050(d)(2) § 63.9050(d)(3) § 63.9050(d)(4) § 63.9050(d)(5) § 63.9050(d)(6) § 63.9050(d)(7) § 63.9050(d)(8) § 63.9050(d)(9) § 63.9050(e) § 63.9050(f)(1) § 63.9050(f)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FV11602000	EU	63NNNN N	HAPS	40 CFR Part 63, Subpart NNNNN	§ 63.8995(b) § 63.9000(a) § 63.9000(b) § 63.9005(a) § 63.9005(b) § 63.9005(c) § 63.9020(e) § 63.9020(e)(1) § 63.9020(e)(1)(i) § 63.9020(e)(1)(ii) § 63.9040(e) § 63.9065(a)	Meet the applicable emission limit and work practice standard in Table 1 to this subpart for each emission stream listed under §63.8990(b)(1) through (4) that is part of your affected source.	§ 63.9005(d) § 63.9005(d)(1) § 63.9005(d)(2) § 63.9005(d)(3) § 63.9005(d)(4) § 63.9005(d)(5) § 63.9010(b) § 63.9015(a) § 63.9020(a) § 63.9020(a)(1) § 63.9020(a)(2) § 63.9020(a)(3) § 63.9020(a)(4) § 63.9020(d) § 63.9020(e)(4) § 63.9025(a)(1) § 63.9025(a)(2) § 63.9025(a)(3) § 63.9025(a)(4) § 63.9025(a)(5) § 63.9030(a) § 63.9030(b) § 63.9035(a) § 63.9035(d) § 63.9035(e) § 63.9040(a) § 63.9040(b)	§ 63.9005(d)(6) § 63.9025(a)(6) § 63.9035(b)(1) § 63.9035(b)(2) [G]§ 63.9045(g) § 63.9055(a) § 63.9060(a) § 63.9060(b) § 63.9060(c) § 63.9060(d)	§ 63.8995(d) § 63.9005(d) § 63.9005(d)(6) § 63.9015(b) § 63.9030(c) § 63.9040(c) § 63.9045(a) § 63.9045(b) § 63.9045(d) § 63.9045(f) [G]§ 63.9045(g) § 63.9050(a) § 63.9050(b)(1) § 63.9050(b)(2) § 63.9050(b)(3) § 63.9050(b)(4) § 63.9050(b)(5) [G]§ 63.9050(b) [G]§ 63.9050(c) [G]§ 63.9050(d) § 63.9050(e) [G]§ 63.9050(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG11609400	EU	R7310-E01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 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 new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
FG11609400	EU	60III-EMER	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG11609400	EU	60III-EMER	NMHC and NO _x	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 _x 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)
FG11609400	EU	60III-EMER	PM (OPACITY)	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 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG11609400	EU	60III-EMER	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)
FG11609400	EU	63ZZZZ-001	EXEMPT	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6605(b) [G]§ 63.6640(f)(1)	An affected source which meets either of the criteria in paragraph (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).	None	None	§ 63.6645(c) § 63.6645(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG11609500	EU	R7310-E01	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 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 new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
FG11609500	EU	60III-EMER	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG11609500	EU	60III-EMER	NMHC and NO _x	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 _x 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)
FG11609500	EU	60III-EMER	PM (OPACITY)	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 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG11609500	EU	60III-EMER	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)
FG11609500	EU	63ZZZZ-001	EXEMPT	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6605(b) [G]§ 63.6640(f)(1)	An affected source which meets either of the criteria in paragraph (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).	None	None	§ 63.6645(c) § 63.6645(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG12509310	EU	R7310-E02	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(10) [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 any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B)	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
FG84007400	EU	R7310-E03	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FG84007500	EU	R7310-E03	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
FT10510300	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
FT10510700	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT10520500	EU	R5112	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
FT10520600	EU	R5112	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT10530900	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
FT11000510	EU	R5112-003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
FT11000610	EU	R5112-003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
FT11012300	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
FT11512310	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11512320	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
FT11515500	EU	R5112-003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
FT11515900	EU	R5112-003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
FT11600900	EU	R5112-003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
FT11602100	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FT11602400	EU	R5112-002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
FV11017700	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
FV11512500	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
FV11519000	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FV11602700	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary 66

Periodic Monitoring Summary..... 67

CAM Summary

Unit/Group/Process Information	
ID No.: FVHCLHEADR	
Control Device ID No.: FV11514600	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Firebox temperature less than 1,400°F.	
<p>CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius. 	

*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

Unit/Group/Process Information	
ID No.: FC83000100	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Opacity above 15%.	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

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		
FC83000100	N/A	40 CFR Part 63, Subpart Q	(63Q-A) This cooling tower has not operated with chromium-based water treatment chemicals since 09/08/1994.
FC83023100	N/A	40 CFR Part 63, Subpart Q	(63Q-A) This cooling tower has not operated with chromium-based water treatment chemicals since 09/08/1994.
FT11013400	N/A	30 TAC Chapter 115, Storage of VOCs	Tank < 1000 gallons
FT11013400	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meter
FG12509310	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAPs
FG84007400	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAPs.
FG84007500	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAPs.
FT10510300	N/A	40 CFR Part 60, Subpart Kb	Tank Capacity <40m ³ (10,567 gallons).
FT10510700	N/A	40 CFR Part 60, Subpart Kb	Tank capacity <40 m ³ (10,567 gallons).
FT10520500	N/A	40 CFR Part 60, Subpart Kb	Tank <75 cubic meters

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		
FT10520600	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meters
FT10530900	N/A	40 CFR Part 60, Subpart Kb	(60Kb-A) Tank capacity is less than 40 cubic meters (10,567 gallons).
FT11000510	N/A	40 CFR Part 60, Subpart K	This storage vessel does not contain greater than 40,000 gallons of petroleum liquids, or was constructed prior to 6/11/73.
FT11000610	N/A	40 CFR Part 60, Subpart K	This storage vessel does not contain greater than 40,000 gallons of petroleum liquids, or was constructed prior to 6/11/73.
FT11012300	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
FT11512310	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meter
FT11512320	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meter
FT11515500	N/A	40 CFR Part 60, Subpart Ka	(60Kb-NA) This storage vessel does not contain petroleum liquids.
FT11515900	N/A	40 CFR Part 60, Subpart Ka	(60Kb-NA) This storage vessel does not contain petroleum liquids.
FT11600900	N/A	40 CFR Part 60, Subpart Kb	Vapor pressure < 3.5 kilo pascal
FT11602100	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meters

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		
FT11602400	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meters
FT12018000	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meter
FT12018700	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meter
FT12018800	N/A	40 CFR Part 60, Subpart Kb	Tank < 75 cubic meters

New Source Review Authorization References

New Source Review Authorization References 73

New Source Review Authorization References by Emission Unit..... 74

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.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 33665	Issuance Date: 06/21/2011
Authorization No.: 34017	Issuance Date: 04/12/2013
Authorization No.: 85149	Issuance Date: 06/27/2008
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997

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
FC83000100	COOLING TOWER	34017
FC83023100	CHLOR ALKALI COOLING TOWER	33665
FG11609400	HCI GENERATOR	34017
FG11609500	HCI GENERATOR	34017
FG12509310	HCL GENERATOR	34017
FG84007400	CHLOR ALKALI GENERATOR	106.511/03/14/1997
FG84007500	CHLOR ALKALI GENERATOR	106.511/03/14/1997
FL10530900	UNLOADING AREA	34017
FL10531600	SOLVENT TRUCK LOADING RACK	34017
FL72005110	RAILCAR LOADING	34017
FL72005120	TANK TRUCK LOADING	34017
FL72005130	TANK TRUCK LOADING	34017
FL72005140	RAILCAR LOADING	34017
FL72005150	RAILCAR LOADING	34017
FT10510300	LUBE OIL RUNDOWN TANK	34017
FT10510700	LUBE OIL RUNDOWN TANK	34017
FT10520500	SOLVENT TANK	34017
FT10520600	SOLVENT TANK	34017

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
FT10530900	THERMINOL EXPANSION TANK	34017
FT11000510	TANK	34017
FT11000610	TANK	34017
FT11012300	TANK	34017
FT11013400	TANK	34017
FT11013700	TANK	34017
FT11015300	HC1 SUMP TANK	34017
FT11015900	TANK	34017
FT11016000	TANK	34017
FT11016100	TANK	34017
FT11512310	TANK	34017
FT11512320	TANK	34017
FT11515500	TANK	34017
FT11515900	TANK	34017
FT11518000	TANK	34017
FT11600900	TANK	34017
FT11602100	TANK	34017
FT11602400	TANK	34017

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
FT12018000	MAINFRAME LUBE OIL RESERVOIR	34017
FT12018700	MAINFRAME LUBE OIL STORAGE TANK	34017
FT12018800	CYLINDER LUBE OIL STORAGE TANK	34017
FU10500001	HCL COMPLEX COMPONENT FUGITIVES	34017
FV11014000	WASTE GAS VENT STACK	34017
FV11017700	PHASE SEPARATOR (PVDF)	34017
FV11500411	WASTE GAS VENT STACK	34017
FV11512500	PHASE SEPARATOR	34017
FV11519000	PHASE SEPARATOR	34017
FV11521201	WASTE GAS VENT STACK	34017
FV11602000	WASTE GAS VENT STACK	34017
FV11602700	PHASE SEPARATOR (PVDR/FRP)	34017
FV12002011	LUBE OIL RESERVOIR VENT EDUCTOR	34017
FV12002022	LUBE OIL RESERVOIR VENT EDUCTOR	34017
FV12018100	HIGH PRESSURE HYDROGEN VENT STACK	34017
FV12502022	LUBE OIL RESERVOIR VENT EDUCTOR	34017
FVHCLHEADR	HCL INCINERATOR HEADER	34017
FVSCRUBRHD	TANK FARM SCRUBBER HEADER	34017

Alternative Requirement

Alternative Requirement 78



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

APIRT
OCT 04 2010

JUN 24 2010

CERTIFIED MAIL – RETURN RECEIPT REQUESTED: 7007 1490 0004 0562 9736

Rebecca Fitzpatrick-Yancey
Environmental Specialist
Bayer MaterialScience, LLC
8500 West Bay Road MS-21
Baytown, TX 77523

Re: Alternate Monitoring Plan (AMP) for Hydrochloric Acid (HCl) Fume
Scrubber for HCl Production Facilities under 40 CFR Part 63, Subpart
NNNNN located at Bayer MaterialScience Facility in Baytown, Texas.

Dear Ms. Fitzpatrick-Yancey:

This letter is in response to your AMP request dated May 14, 2010, for parametric monitoring of the HCl Fume Scrubber at the Baytown Facility, as referenced above. The United States Environmental Protection Agency (EPA) approves your AMP as explained within this letter.

Bayer MaterialScience (BMS) operates hydrochloric acid production facilities subject to NESHAP Subpart NNNNN. BMS produces HCl as a byproduct of isocyanate production. The HCl byproduct is absorbed into water to create HCl solution. BMS also previously operated an electrolysis unit to convert HCl into chlorine and hydrogen for use in other processes at the facility. Chlorine emissions from the electrolysis unit as well as adsorber vents (not HCl process vents) and storage tank vents subject to Subpart NNNNN were routed first to the HCl Fume Scrubber and then to the Caustic Fume Scrubber where the chlorine reacted with the caustic to form bleach, a saleable product. BMS monitored the recirculating liquid flow rate and the effluent pH for the Caustic Fume Scrubber to comply with monitoring requirements in Subpart NNNNN.

In July of 2009, BMS permanently shut down the electrolysis unit which produced chlorine. Therefore, although the Caustic Fume Scrubber is still operated to comply with Subpart NNNNN, the source of chlorine controlled by the caustic scrubber is no longer present and BMS proposes to discontinue the use of the Caustic Fume Scrubber. Operation of only the HCl Fume Scrubber (FV11012101) will ensure compliance with Subpart NNNNN.

Pursuant to 40 C.F.R. §§ 63.9025(b) and 63.8(f), BMS's AMP involves monitoring the conductivity, in lieu of pH, of the HCl Fume Scrubber effluent. The continuous monitoring system (CMS) is calibrated to convert conductivity to percent HCl by weight. BMS provided data from the manufacturer of the CMS showing a correlation between conductivity (microsiemens) and percent HCl by weight. BMS also provided data showing that the pH of

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OCT 04 2010

HCl solutions above 5% HCl by weight are close to or below 0 on the pH scale. The scrubber is designed to operate with a concentration of 10% HCl in the sump of the scrubber, and therefore conductivity is a more accurate indication of scrubber operation because the pH range of the scrubber during normal operation (-0.5 to 0 pH) is beyond the capability and scale of a commercial pH analyzer.

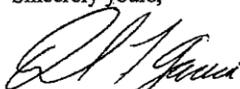
Using ASPEN modeling, BMS also showed how the removal efficiency of the scrubber varied with HCl concentration in the sump. At concentrations at or below 10% HCl by weight, the modeling showed an efficiency above 99.98%. BMS will continue to monitor both the inlet liquid flow and makeup water flow rates to the scrubber. Makeup water flow rate will be determined and controlled by the HCl concentration of the effluent. BMS indicated that based on the ASPEN modeling the scrubber would be in compliance with a makeup water flow rate of not less than 5.5 gallons per minute (gpm) and an inlet liquid flow rate not less than 19 gpm.

In order to demonstrate compliance with Subpart NNNNN, BMS intends to conduct a performance test to establish operating parameter limits (OPLs) for minimum inlet liquid flow and maximum percent HCl by weight of the effluent. The CMS shall be installed, operated, and maintained in accordance with 40 C.F.R. § 63.9025(a).

Based on the information provided in BMS' AMP request, and supplemental information provided by BMS on June 7, 2010 and June 17, 2010, EPA hereby approves BMS' AMP request. Interim approval is granted to monitor conductivity pending the results of the performance test. Until the performance test is conducted, BMS shall maintain the inlet liquid flow at a minimum of 19 gpm and shall maintain the concentration of HCl in the liquid effluent at a maximum of 10.0% by weight. Once a performance test is conducted, BMS will continue to demonstrate compliance by monitoring effluent conductivity and inlet flow using OPLs established during the performance test. This AMP approval assumes that all applicable standards will be met during the performance test for the scrubber and that OPLs for maximum percent HCl by weight of the effluent and minimum inlet liquid flow rate will be set as determined by the performance test. If any information is found that would reverse this determination, then it would become invalid and a new determination would be needed.

If you have any questions or concerns about this determination, please contact Amanda Ferguson of my staff at (214) 665-8420.

Sincerely yours,



David F. Garcia
Associate Director
Air/Toxics and Inspection
Coordination Branch

cc: Scott Throwe, OECA
Randy McDonald, OAQPS
Jeff Greif, TCEQ

Appendix A

Acronym List 81

Acronym List

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

ACFM	.....	actual cubic feet per minute
AMOC	.....	alternate means of control
ARP	.....	Acid Rain Program
ASTM	.....	American Society of Testing and Materials
B/PA	.....	Beaumont/Port Arthur (nonattainment area)
CAM	.....	Compliance Assurance Monitoring
CD	.....	control device
COMS	.....	continuous opacity monitoring system
CVS	.....	closed-vent system
D/FW	.....	Dallas/Fort Worth (nonattainment area)
DR	.....	Designated Representative
ELP	.....	El Paso (nonattainment area)
EP	.....	emission point
EPA	.....	U.S. Environmental Protection Agency
EU	.....	emission unit
FCAA Amendments	.....	Federal Clean Air Act Amendments
FOP	.....	federal operating permit
GF	.....	grandfathered
gr/100 scf	.....	grains per 100 standard cubic feet
HAP	.....	hazardous air pollutant
H/G/B	.....	Houston/Galveston/Brazoria (nonattainment area)
H ₂ 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 _x	.....	nitrogen oxides
NSPS	.....	New Source Performance Standard (40 CFR Part 60)
NSR	.....	New Source Review
ORIS	.....	Office of Regulatory Information Systems
Pb	.....	lead
PBR	.....	Permit By Rule
PM	.....	particulate matter
ppmv	.....	parts per million by volume
PSD	.....	prevention of significant deterioration
RO	.....	Responsible Official
SO ₂	.....	sulfur dioxide
TCEQ	.....	Texas Commission on Environmental Quality
TSP	.....	total suspended particulate
TVP	.....	true vapor pressure
U.S.C.	.....	United States Code
VOC	.....	volatile organic compound