

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Eastman Chemical Company

AUTHORIZING THE OPERATION OF
Eastman Chemical Company Texas Operations
C2 - Aldehyde Reduction
Industrial Organic Chemicals

LOCATED AT
Harrison County, Texas
Latitude 32° 26' 15" Longitude 94° 41' 37"
Regulated Entity Number: RN100219815

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: 01968 Issuance Date: March 13, 2014

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 FFFF as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.890 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
- (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
 - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
 - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation

on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

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

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions

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

(4) Compliance Certification:

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

- C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. 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.
- 6. For miscellaneous chemical process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.2485, Table 7, the permit holder shall comply with the requirements of 40 CFR § 63.105 (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).
- 7. For miscellaneous chemical process facilities with Group 2 wastewater streams subject to wastewater operations requirements in 40 CFR Part 63, Subpart FFFF,

the permit holder shall comply with the requirements of 40 CFR § 63.132(a), (a)(1), (a)(1)(i), and (a)(3) as specified in § 63.2485(a) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).

8. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that are completed within 30 consecutive calendar days the permit holder shall comply with 40 CFR § 63.7884(b), (b)(1) - (3) (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference).
9. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

New Source Review Authorization Requirements

10. 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
11. 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.
12. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity

and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

13. 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.
14. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

- 15. 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

- 16. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
 - A. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Permit Location

- 17. 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)

- 18. 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

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary13

Applicable Requirements Summary 20

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 |
|-------------------------------|---|--------------------------|---------------|---------------------------------|-------------------------|
| OX010D13 | DISTILLATION OPERATIONS | N/A | 60NNN-0002 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D14 | DISTILLATION OPERATIONS | N/A | 60NNN-0001 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D15 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D16 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D18 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D19 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D20 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D22 | DISTILLATION OPERATIONS | N/A | 60NNN-0004a | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D22 | DISTILLATION | N/A | 60NNN-0004b | 40 CFR Part 60, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|---------------------------------|-------------------------|
| | OPERATIONS | | | NNN | |
| OX010D25 | DISTILLATION OPERATIONS | N/A | 60NNN-0005 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D27 | DISTILLATION OPERATIONS | N/A | 60NNN-0006 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D28 | DISTILLATION OPERATIONS | N/A | 60NNN-0030 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D30 | DISTILLATION OPERATIONS | N/A | 60NNN-0008 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D31B | DISTILLATION OPERATIONS | N/A | 60NNN-0029 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D34 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D37 | DISTILLATION OPERATIONS | N/A | 60NNN-0014 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX010D38 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX010D39 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|---------------------------------|-------------------------|
| OXo10E184 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OXo10FG1 | FUGITIVE EMISSION UNITS | N/A | 63FFFF-0006 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OXo10FG2 | FUGITIVE EMISSION UNITS | N/A | 60VV-0001 | 40 CFR Part 60, Subpart VV | No changing attributes. |
| OXo10FG3 | FUGITIVE EMISSION UNITS | N/A | 63FFFF-0006 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OXo10MWW1 | TREATMENT PROCESS | N/A | 63FFFF-0010 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OXo10MWW3 | TREATMENT PROCESS | N/A | 63FFFF-0010 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OXo10R11 | REACTOR | N/A | 60RRR-0002a | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OXo10R11 | REACTOR | N/A | 60RRR-0002b | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OXo10R124 | REACTOR | N/A | 60RRR-0026 | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OXo10R13 | REACTOR | N/A | 60RRR-0003a | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OXo10R13 | REACTOR | N/A | 60RRR-0003b | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OXo10R16 | REACTOR | N/A | 60RRR-0011a | 40 CFR Part 60, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|-------------------|--------------------------|---------------|------------------------------|--|
| | | | | RRR | |
| OX010R16 | REACTOR | N/A | 60RRR-0011b | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OX010R20 | REACTOR | N/A | 60RRR-0004a | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OX010R20 | REACTOR | N/A | 60RRR-0004b | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OX010R22 | REACTOR | N/A | 60RRR-0012a | 40 CFR Part 60, Subpart RRR | Control Device = Boiler or process heater with design heat input of 44 MW (150MMBTU/hr) or greater. |
| OX010R22 | REACTOR | N/A | 60RRR-0012b | 40 CFR Part 60, Subpart RRR | TRE for Halogenated Vent Stream = TRE index value is being calculated for a nonhalogenated vent stream., Control Device = Flare that meets the requirements of 40 CFR § 60.18. |
| OX010R323 | REACTOR | N/A | 60RRR-0008 | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OX010R325 | REACTOR | N/A | 60RRR-0024 | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OX010R326 | REACTOR | N/A | 60RRR-0025 | 40 CFR Part 60, Subpart RRR | No changing attributes. |
| OX010WW1A | TREATMENT PROCESS | N/A | 63FFFF-0011 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|--|-------------------------|
| OX011D41 | DISTILLATION OPERATIONS | N/A | 60NNN-0025 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX011D43 | DISTILLATION OPERATIONS | N/A | 60NNN-0027 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX011D43 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX011D44 | DISTILLATION OPERATIONS | N/A | 60NNN-0028 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX011D44 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX011FL1A | FLARES | N/A | R1111-0001 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OX011FL1B | FLARES | N/A | R1111-0002 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OX011FL1B | FLARES | N/A | 60A-0001 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OX048FL1C | FLARES | N/A | R1111-0003 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| OX048FL1C | FLARES | N/A | 60A-0001 | 40 CFR Part 60, Subpart A | No changing attributes. |
| OX050T190 | STORAGE | N/A | 60KB-0004 | 40 CFR Part 60, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---|--------------------------|---------------|---------------------------------|-------------------------|
| | TANKS/VESSELS | | | Kb | |
| OX050T191R | STORAGE TANKS/VESSELS | N/A | 60Kb-0001 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| OX050T422 | STORAGE TANKS/VESSELS | N/A | 60KB-0006 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| OX053D32 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX053D5 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX053D8B | DISTILLATION OPERATIONS | N/A | 60NNN-0017 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| OX053D8B | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63FFFF-0005 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| OX053D9R | DISTILLATION OPERATIONS | N/A | 60NNN-0018 | 40 CFR Part 60, Subpart NNN | No changing attributes. |
| PRONPG | CHEMICAL MANUFACTURING PROCESS | N/A | 63FFFF-0013 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| PRONPGHE | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63FFFF-0007 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------------------|--------------------------|---------------|---------------------------------|-------------------------|
| PROPROH | CHEMICAL MANUFACTURING PROCESS | N/A | 63FFFF-0013 | 40 CFR Part 63, Subpart FFFF | No changing attributes. |
| PROPROHHE | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63FFFF-0007 | 40 CFR Part 63, Subpart FFFF | 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|---|--|
| OX010D13 | EP | 60NNN-0002 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate <0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OX010D14 | EP | 60NNN-0001 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(4) § 60.662(c) | Each affected facility with a total resource effectiveness (TRE) index value > 8.0 is exempt from this subpart except for § 60.662; § 60.664(d), (e), (f); and § 60.665(h) and (l). | [G]§ 60.664(e) § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2) | [G]§ 60.665(h) § 60.665(p) | § 60.664(g)(1) § 60.665(l) § 60.665(l)(7) § 60.665(p) |
| OX010D15 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OX010D16 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|---|---|--|---|--|
| OX010D18 | EP | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OX010D19 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OX010D20 | EP | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OX010D22 | EP | 60NNN-0004a | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.662(c) | The affected facility shall maintain a TRE index value > 1.0 without use of VOC emission control devices. | § 60.663(e) § 60.663(e)(2)(i) § 60.664(a) [G]§ 60.664(e) | § 60.663(e)(2)(i) § 60.665(b) § 60.665(b)(4)(ii) § 60.665(b)(4)(v) | § 60.664(g)(1) § 60.665(a) § 60.665(b) § 60.665(b)(4)(ii) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|---|--|
| | | | | | | | § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2) | § 60.665(g) § 60.665(g)(2) [G]§ 60.665(h) | § 60.665(b)(4)(v) § 60.665(g) § 60.665(g)(2) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(7) |
| OX010D22 | EP | 60NNN-0004b | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.662(b) § 60.18 | Each affected facility shall combust the emissions in a flare that meets the requirements of § 60.18. | § 60.663(b) § 60.663(b)(1) § 60.663(b)(2) § 60.664(a) § 60.664(d) [G]§ 60.664(e) | § 60.663(b)(2) § 60.665(b) § 60.665(b)(3) § 60.665(d) § 60.665(f) | § 60.665(a) § 60.665(b) § 60.665(b)(3) § 60.665(k) § 60.665(l) § 60.665(l)(2) § 60.665(l)(4) |
| OX010D25 | EP | 60NNN-0005 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate <0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OX010D27 | EP | 60NNN-0006 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(4) § 60.662(c) | Each affected facility with a total resource effectiveness (TRE) index value > 8.0 is exempt from this subpart except for § 60.662; § 60.664(d), (e), (f); and § 60.665(h) and (l). | [G]§ 60.664(e) § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2) | [G]§ 60.665(h) | § 60.664(g)(1) § 60.665(l)(7) § 60.665(p) |
| OX010D28 | EP | 60NNN-0030 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(4) § 60.662(c) | Each affected facility with a total resource effectiveness (TRE) index value > 8.0 is exempt from this subpart except for § 60.662; § 60.664(d), (e), (f); and § 60.665(h) and (l). | [G]§ 60.664(e) § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2) | [G]§ 60.665(h) | § 60.664(g)(1) § 60.665(l)(7) § 60.665(p) |

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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|---|---|
| OXo10D30 | EP | 60NNN-0008 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(4) § 60.662(c) | Each affected facility with a total resource effectiveness (TRE) index value > 8.0 is exempt from this subpart except for § 60.662; § 60.664(d), (e), (f); and § 60.665(h) and (l). | [G]§ 60.664(e) § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2) | [G]§ 60.665(h) | § 60.664(g)(1) § 60.665(l)(7) § 60.665(p) |
| OXo10D31B | EP | 60NNN-0029 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(4) § 60.662(c) | Each affected facility with a total resource effectiveness (TRE) index value > 8.0 is exempt from this subpart except for § 60.662; § 60.664(d), (e), (f); and § 60.665(h) and (l). | [G]§ 60.664(e) § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2) | [G]§ 60.665(h) | § 60.664(g)(1) § 60.665(l)(7) § 60.665(p) |
| OXo10D34 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OXo10D37 | EP | 60NNN-0014 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate <0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OXo10D38 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) | For each continuous process vent, you must either designate the vent as a | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|---|--|---|---|
| | | | | | § 63.2455(b)(3) | Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | | |
| OXo10D39 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OXo10E184 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OXo10FG1 | EU | 63FFFF-0006 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2480(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart FFFF | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart FFFF | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart FFFF |

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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|---|---|---|--|
| | | | | | requirements of 40 CFR Part 63, Subpart FFFF | | Subpart FFFF | | |
| OXo1oFG2 | EU | 6oVV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-1(d) § 60.486(k) | Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5). | None | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OXo1oFG2 | EU | 6oVV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-2(b)(1) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(a)(2) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) | If an instrument reading of 10,000 ppm or greater is measured for pumps in light liquid service, a leak is detected. | § 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-2(a)(1) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|---|--|---|--|
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-3(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) | Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as provided in §60.482-1(c) and paragraphs (h), (i), and (j) of this section. | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) | Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in § 60.485(c). | § 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-5(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) | Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §60.482-1(c) and paragraph (c) of this section. | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV- | VOC | 40 CFR Part 60, | § 60.482-6(a)(1) | Each open-ended valve or | § 60.485(a) | § 60.482-1(g) | § 60.487(a) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|---|--|
| | | 0001 | | Subpart VV | § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) | line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1(c) and paragraphs (d) and (e) of this section. | [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-7(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) | If an instrument reading of 10,000 ppm or greater is measured for valves in gas/vapor service and in light liquid service, a leak is detected. | § 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-8(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) | For pumps in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. | § 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|--|---|--|
| | | | | | § 60.486(k) | | | | |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-8(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) | For valves in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. | § 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-8(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) | For pressure relief devices in light liquid or in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. | § 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| OX010FG2 | EU | 60VV-0001 | VOC | 40 CFR Part 60, Subpart VV | § 60.482-8(b) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) | For flanges and other connectors, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected. | § 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | § 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|---|---|
| | | | | | § 60.482-9(a) § 60.482-9(b) § 60.486(k) | | | | |
| OX010FG3 | EU | 63FFFF-0006 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2480(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart FFFF | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart FFFF | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart FFFF | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart FFFF |
| OX010MW W1 | EU | 63FFFF-0010 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2485(a) | The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF. | § 63.2485(a) | § 63.2485(a) | § 63.2485(a) |
| OX010MW W3 | EU | 63FFFF-0010 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2485(a) | The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF. | § 63.2485(a) | § 63.2485(a) | § 63.2485(a) |
| OX010R11 | EP | 60RRR-0002a | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |

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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|--|--|---|
| OX010R11 | EP | 60RRR-0002b | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OX010R124 | EP | 60RRR-0026 | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.700(c)(2) § 60.702(c) | Each facility that has a total resource effectiveness index value > 8.0 is exempt from all provisions of this subpart except for §§60.702(c); 60.704(d), (e), and (f); and 60.705(g), (l)(1), (l)(6) and (t). | [G]§ 60.704(d) § 60.704(e) [G]§ 60.704(e)(1) § 60.704(e)(2) § 60.704(f) § 60.704(f)(1) § 60.704(f)(2) | [G]§ 60.705(g) § 60.705(t) | § 60.704(f)(1) § 60.705(l) § 60.705(l)(1) § 60.705(l)(6) |
| OX010R13 | EP | 60RRR-0003a | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OX010R13 | EP | 60RRR-0003b | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|--|--|---|
| OXo10R16 | EP | 6oRRR-0011a | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OXo10R16 | EP | 6oRRR-0011b | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OXo10R20 | EP | 6oRRR-0004a | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OXo10R20 | EP | 6oRRR-0004b | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) |

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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|--|--|---|
| | | | | | | | | | § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OXo10R22 | EP | 6oRRR-0012a | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(a) [G]§ 60.704(b)(5) | For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified. | § 60.703(c) § 60.703(c)(1)(ii) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4) | § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(2) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(l)(7) § 60.705(s) |
| OXo10R22 | EP | 6oRRR-0012b | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.702(b) § 60.18 | For each vent stream, combust the emissions in a flare that meets the requirements of §60.18. | § 60.703(b) § 60.703(b)(1) § 60.703(b)(2)(ii) § 60.704(a) § 60.704(c) [G]§ 60.704(d) | § 60.705(b) § 60.705(b)(3) § 60.705(d)(2) § 60.705(e) § 60.705(s) | § 60.705(a) § 60.705(b) § 60.705(b)(3) § 60.705(k) § 60.705(l) § 60.705(l)(2) § 60.705(l)(3) § 60.705(l)(7) § 60.705(s) |
| OXo10R323 | EP | 6oRRR-0008 | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.700(c)(2) § 60.702(c) | Each facility that has a total resource effectiveness index value > 8.0 is exempt from all provisions of this subpart except for §§60.702(c); 60.704(d), (e), and (f); and 60.705(g), (l)(1), (l)(6) and (t). | [G]§ 60.704(d) § 60.704(e) [G]§ 60.704(e)(1) § 60.704(e)(2) § 60.704(f) § 60.704(f)(1) § 60.704(f)(2) | [G]§ 60.705(g) § 60.705(t) | § 60.704(f)(1) § 60.705(l) § 60.705(l)(1) § 60.705(l)(6) |
| OXo10R325 | EP | 6oRRR-0024 | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.700(c)(2) § 60.702(c) | Each facility that has a total resource effectiveness index value > 8.0 is exempt from all provisions of this subpart except for §§60.702(c); | [G]§ 60.704(d) § 60.704(e) [G]§ 60.704(e)(1) § 60.704(e)(2) § 60.704(f) | [G]§ 60.705(g) § 60.705(t) | § 60.704(f)(1) § 60.705(l) § 60.705(l)(1) § 60.705(l)(6) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|---|---|---|
| | | | | | | 60.704(d), (e), and (f); and 60.705(g), (l)(1), (l)(6) and (t). | § 60.704(f)(1) § 60.704(f)(2) | | |
| OXo10R326 | EP | 60RRR-0025 | VOC/TOC | 40 CFR Part 60, Subpart RRR | § 60.700(c)(2) § 60.702(c) | Each facility that has a total resource effectiveness index value > 8.0 is exempt from all provisions of this subpart except for §§60.702(c); 60.704(d), (e), and (f); and 60.705(g), (l)(1), (l)(6) and (t). | [G]§ 60.704(d) § 60.704(e) [G]§ 60.704(e)(1) § 60.704(e)(2) § 60.704(f) § 60.704(f)(1) § 60.704(f)(2) | [G]§ 60.705(g) § 60.705(t) | § 60.704(f)(1) § 60.705(l) § 60.705(l)(1) § 60.705(l)(6) |
| OXo10WW1 A | EU | 63FFFF-0011 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2485(a) | The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF. | § 63.2485(a) | § 63.2485(a) | § 63.2485(a) |
| OXo11D41 | EP | 60NNN-0025 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate <0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OXo11D43 | EP | 60NNN-0027 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate <0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OXo11D43 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) | For each continuous process vent, you must either | § 63.115(d) [G]§ 63.115(d)(1) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|---|--|
| | | | | | § 63.2455(b)(2) § 63.2455(b)(3) | designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | | |
| OXo11D44 | EP | 60NNN-0028 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate <0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OXo11D44 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OXo11FLiA | EU | R1111-0001 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OXo11FLiB | EU | R1111- | OPACITY | 30 TAC Chapter | § 111.111(a)(4)(A) | Visible emissions from a | § 111.111(a)(4)(A)(i) | § 111.111(a)(4)(A)(ii) | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|---|---|---|---|
| | | 0002 | | 111, Visible Emissions | | process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(ii) | | |
| OXo11FL1B | CD | 60A-0001 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OXo48FL1C | EU | R1111-0003 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(4)(A) | Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| OXo48FL1C | CD | 60A-0001 | OPACITY | 40 CFR Part 60, Subpart A | § 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e) | Flares shall comply with paragraphs (c)-(f) of § 60.18. | § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) | None | None |
| OXo50T19o | EU | 60KB-0004 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction /modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|---|---|
| OX050T191R | EU | 60Kb-0001 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction /modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |
| OX050T422 | EU | 60KB-0006 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction /modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |
| OX053D32 | EP | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OX053D5 | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|---|--|--|---|
| | | | | | | except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d)(3)(ii) | | |
| OX053D8B | EP | 60NNN-0017 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate < 0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| OX053D8B | EU | 63FFFF-0005 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2455(b) § 63.2455(b)(1) § 63.2455(b)(2) § 63.2455(b)(3) | For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1)-(3) of this section. | § 63.115(d) [G]§ 63.115(d)(1) § 63.115(d)(2) § 63.115(d)(2)(i) [G]§ 63.115(d)(2)(ii) § 63.115(d)(2)(iii) § 63.115(d)(2)(iv) § 63.115(d)(3)(i) § 63.115(d)(3)(ii) | None | None |
| OX053D9R | EP | 60NNN-0018 | VOC/TOC | 40 CFR Part 60, Subpart NNN | § 60.660(c)(6) | Each affected facility operated with vent stream flow rate < 0.008 scm/min (< 0.28 scf/min) is exempt from all provisions of this subpart except requirements in §60.664(g); §60.665(i), (l)(5), (o). | § 60.664(h) § 60.665(l)(5) | § 60.665(i) | § 60.665(l) § 60.665(l)(5) § 60.665(o) |
| PRONPG | PRO | 63FFFF-0013 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2440(a) § 63.2450(a) § 63.2450(l) | This subpart applies to each miscellaneous organic chemical manufacturing affected source. | § 63.2445(d) | § 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j) | § 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|-------------------------------------|--|--|
| | | | | | | | | | § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9) |
| PRONPGHE | EU | 63FFFF-0007 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2490(a)-Table10 § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.2490(a) § 63.2490(b) § 63.2490(c) | For each heat exchange system, as defined in §63.101, comply with the requirements of §63.104 and the requirements referenced therein except as specified in §63.2490. | [G]§ 63.104(b) | [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) | [G]§ 63.104(f)(2) |
| PROPROH | PRO | 63FFFF-0013 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2440(a) § 63.2450(a) § 63.2450(l) | This subpart applies to each miscellaneous organic chemical manufacturing affected source. | § 63.2445(d) | § 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(f) § 63.2525(j) | § 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b)(1) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---|--|-------------------------------------|--|---|
| | | | | | | | | | § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9) |
| PROPROHHE | EU | 63FFFF-0007 | 112(B) HAPS | 40 CFR Part 63, Subpart FFFF | § 63.2490(a)-Table10 § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.2490(a) § 63.2490(b) § 63.2490(c) | For each heat exchange system, as defined in §63.101, comply with the requirements of §63.104 and the requirements referenced therein except as specified in §63.2490. | [G]§ 63.104(b) | [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) | [G]§ 63.104(f)(2) |

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-----------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OX010D10 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D11 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D15 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D16 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D19 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D20 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D21 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D29 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D31A | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D32 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D34 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or |

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 | | |
| | | | reconstructed after 12/30/1983. |
| OX010D36 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D38 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010D39 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX010FG1 | N/A | 40 CFR Part 60, Subpart VV | Not constructed, modified, or reconstructed after 1/5/81 |
| OX010FG1 | N/A | 40 CFR Part 61, Subpart J | Facility does not have sources in benzene service |
| OX010FG1 | N/A | 40 CFR Part 61, Subpart V | Facility does not have sources in VHAP service |
| OX010FG1 | N/A | 40 CFR Part 63, Subpart H | Not part of a HON CMPU |
| OX010FG2 | N/A | 40 CFR Part 61, Subpart J | Facility does not have sources in benzene service |
| OX010FG2 | N/A | 40 CFR Part 61, Subpart V | Facility does not have sources in VHAP service |
| OX010FG2 | N/A | 40 CFR Part 63, Subpart FFFF | Not part of an affected MCPU. |
| OX010FG2 | N/A | 40 CFR Part 63, Subpart H | Not part of a HON CMPU |

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 | | |
| OX010FG3 | N/A | 40 CFR Part 60, Subpart VV | Not constructed, modified, or reconstructed after 1/5/81 |
| OX010FG3 | N/A | 40 CFR Part 61, Subpart J | Facility does not have sources in benzene service |
| OX010FG3 | N/A | 40 CFR Part 61, Subpart V | Facility does not have sources in VHAP service |
| OX010FG3 | N/A | 40 CFR Part 63, Subpart H | Not part of a HON C MPU |
| OX010R10 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R10 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX010R11 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R12 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R12 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX010R12 | N/A | 40 CFR Part 63, Subpart FFFF | Not a process vent; unit vents to a fuel gas system. |
| OX010R124 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R14 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R14 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or |

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 | | |
| | | | reconstructed after 6/29/90. |
| OX010R182 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R182 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX010R19 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R19 | N/A | 40 CFR Part 60, Subpart RRR | Does not produce any chemical listed in 60.707. |
| OX010R20 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R21 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R21 | N/A | 40 CFR Part 60, Subpart RRR | Unit does not produce any chemical listed in 60.707. |
| OX010R323 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R325 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R326 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R410 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R410 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX010R8 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |

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 | | |
| OX010R8 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX010R9 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX010R9 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX010T2 | N/A | 40 CFR Part 60, Subpart Kb | Capacity of storage unit is less than 75 m3. |
| OX010T2 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX010T2 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T2 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010T2 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010T221 | N/A | 40 CFR Part 60, Subpart K | Unit does not store petroleum liquid. |
| OX010T221 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX010T221 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T221 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |

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 | | |
| OX010T221 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010T229 | N/A | 40 CFR Part 60, Subpart Ka | Unit does not store petroleum liquid. |
| OX010T229 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX010T229 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T229 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010T229 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010T268 | N/A | 40 CFR Part 60, Subpart Kb | Capacity of storage unit is less than 75 m3. |
| OX010T268 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX010T268 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T268 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010T268 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010T269 | N/A | 40 CFR Part 60, Subpart Kb | Capacity of storage unit is less than 75 m3. |

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 | | |
| OX010T269 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX010T269 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T269 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010T269 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010T86 | N/A | 40 CFR Part 60, Subpart Kb | Capacity less than 75 m3. |
| OX010T86 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX010T86 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T86 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX010T86 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010T86 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010T88 | N/A | 40 CFR Part 60, Subpart Kb | Capacity less than 75 m3. |
| OX010T88 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |

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 | | |
| OX010T88 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX010T88 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX010T88 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010T88 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010WR1 | N/A | 40 CFR Part 61, Subpart BB | Unit does not load benzene containing material. |
| OX010WR1 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010WR1 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX010WW1A | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010WW1B | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010WW2 | N/A | 40 CFR Part 63, Subpart FFFF | Not part of an affected MCPU. |
| OX010WW2 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX010WW3 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX011D42 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX011FL1A | N/A | 40 CFR Part 60, Subpart A | Not required by relevant Part 60 or 61 |

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 | | |
| | | | standards. |
| OX011FL1A | N/A | 40 CFR Part 63, Subpart A | Not required by relevant Part 63 standards |
| OX011FL1B | N/A | 40 CFR Part 63, Subpart A | Not required by relevant Part 63 standards |
| OX011R15 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX011R15 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX011R18 | N/A | 40 CFR Part 60, Subpart III | Not an air oxidation process. |
| OX011R18 | N/A | 40 CFR Part 60, Subpart RRR | Not constructed, modified, or reconstructed after 6/29/90. |
| OX011T113 | N/A | 40 CFR Part 60, Subpart Kb | Stored liquid vapor pressure is less than 3.5 KPa(0.5 psia). |
| OX011T113 | N/A | 40 CFR Part 60, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX011T113 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX011T113 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX011T113 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |

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 | | |
| OXo11T113 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo11T148 | N/A | 40 CFR Part 60, Subpart Kb | Capacity of storage unit is less than 75 m3. |
| OXo11T148 | N/A | 40 CFR Part 60, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo11T148 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo11T148 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo11T148 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo11T66 | N/A | 40 CFR Part 60, Subpart Kb | Capacity less than 75 m3. |
| OXo11T66 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo11T66 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo11T66 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OXo11T66 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo11T66 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OX027T408 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| OX027T408 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX027T408 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX027T408 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX027T408 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX027T408 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX027T409 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| OX027T409 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX027T409 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX027T409 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX027T409 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX027T409 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX027T72 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |

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 | | |
| OX027T72 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX027T72 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX027T72 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX027T72 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX027T72 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX027T73 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| OX027T73 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX027T73 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX027T73 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX027T73 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX027T73 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX048FL1C | N/A | 40 CFR Part 63, Subpart A | Not required by relevant 40 CFR Part 63 standards. |

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 | | |
| OXo49T141 | N/A | 40 CFR Part 60, Subpart K | Does not store petroleum liquid |
| OXo49T141 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo49T141 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T141 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo49T141 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo49T142 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid |
| OXo49T142 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo49T142 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T142 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo49T142 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo49T143 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid |
| OXo49T143 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |

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 | | |
| OXo49T143 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T143 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo49T143 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo49T144 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid |
| OXo49T144 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo49T144 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T144 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo49T144 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo49T23 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid |
| OXo49T23 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo49T23 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T23 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |

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 | | |
| OXo49T23 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo49T24 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid |
| OXo49T24 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo49T24 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T24 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo49T24 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OXo49T80 | N/A | 40 CFR Part 60, Subpart K | Unit does not store petroleum liquid. |
| OXo49T80 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OXo49T80 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OXo49T80 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OXo49T80 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OXo49T80 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|----------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OX050T138 | N/A | 40 CFR Part 60, Subpart K | Does not store petroleum liquid |
| OX050T138 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T138 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T138 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T138 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T145 | N/A | 40 CFR Part 60, Subpart K | Does not store petroleum liquid |
| OX050T145 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T145 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T145 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T145 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T190 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T190 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |

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 | | |
| OX050T190 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T190 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T191R | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T191R | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T191R | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T191R | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T197 | N/A | 40 CFR Part 60, Subpart Ka | Does not store a petroleum liquid. |
| OX050T197 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T197 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T197 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is part of an affected MCPU but does not meet the definition of a storage tank per 63.6550 since the unit does not contain organic HAP. |
| OX050T197 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |

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 | | |
| OX050T197 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T3A | N/A | 40 CFR Part 60, Subpart Kb | Capacity of storage vessel is less than 75 m3. |
| OX050T3A | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T3A | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T3A | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T3A | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T403 | N/A | 40 CFR Part 60, Subpart K | Unit does not store petroleum liquid. |
| OX050T403 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T403 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T403 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX050T403 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T403 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|------------------------------|---|
| ID No. | Group/Inclusive Units | | |
| OX050T404 | N/A | 40 CFR Part 60, Subpart K | Unit does not store petroleum liquid. |
| OX050T404 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T404 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T404 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX050T404 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T404 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T406 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| OX050T406 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T406 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T406 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX050T406 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T406 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T422 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene |

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 | | |
| | | | waste stream. |
| OX050T422 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T422 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX050T422 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T422 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T50 | N/A | 40 CFR Part 60, Subpart K | Does not store petroleum liquid |
| OX050T50 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T50 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T50 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T50 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T51 | N/A | 40 CFR Part 60, Subpart K | Does not store petroleum liquid |
| OX050T51 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T51 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial |

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 | | |
| | | | grade benzene. |
| OX050T51 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T51 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T74 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid |
| OX050T74 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T74 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T74 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T74 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T75 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| OX050T75 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T75 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T75 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX050T75 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |

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 | | |
| OX050T75 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX050T77R | N/A | 40 CFR Part 60, Subpart Ka | Does not store a petroleum liquid. |
| OX050T77R | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX050T77R | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX050T77R | N/A | 40 CFR Part 63, Subpart FFFF | Unit is part of an affected MCPU but does not meet the definition of a storage tank per 63.6550 since the unit does not contain organic HAP. |
| OX050T77R | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX050T77R | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX053D3 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX053D32 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/1983. |
| OX053D5 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or reconstructed after 12/30/83. |
| OX053D7 | N/A | 40 CFR Part 60, Subpart NNN | Not constructed, modified, or |

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 | | |
| | | | reconstructed after 12/30/83. |
| OX053D9R | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| OX053FG2 | N/A | 40 CFR Part 60, Subpart VV | Not constructed, modified, or reconstructed after 1/5/81. |
| OX053FG2 | N/A | 40 CFR Part 61, Subpart J | Facility does not have sources in benzene service. |
| OX053FG2 | N/A | 40 CFR Part 61, Subpart V | Facility does not have sources in VHAP service. |
| OX053FG2 | N/A | 40 CFR Part 63, Subpart FFFF | Not part of an affected MCPU. |
| OX053FG2 | N/A | 40 CFR Part 63, Subpart H | Not part of a HON CMPU. |
| OX053T57 | N/A | 40 CFR Part 60, Subpart Kb | Capacity of storage unit is less than 75 m3. |
| OX053T57 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| OX053T57 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| OX053T57 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| OX053T57 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| OX053WW2 | N/A | 40 CFR Part 63, Subpart FFFF | Not part of an affected MCPU. |

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 | | |
| OX053WW2 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| PRO2EH | N/A | 40 CFR Part 63, Subpart FFFF | Not an affected MCPU. |
| PRO2EH | N/A | 40 CFR Part 63, Subpart G | Not an affected CMPU. |
| PROBUOH | N/A | 40 CFR Part 63, Subpart FFFF | Not an affected MCPU. |
| PROBUOH | N/A | 40 CFR Part 63, Subpart G | Not an affected CMPU. |
| PRONPG | N/A | 40 CFR Part 63, Subpart G | Not an affected CMPU. |
| PROPROH | N/A | 40 CFR Part 63, Subpart G | Not an affected CMPU. |
| SD020T100 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD020T100 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| SD020T100 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD020T100 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD020T100 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD020T100 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD020T115 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD020T115 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene |

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 | | |
| | | | waste stream. |
| SD020T115 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD020T115 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD020T115 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD020T115 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD021T129 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD021T129 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| SD021T129 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD021T129 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD021T129 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD021T131 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD021T131 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| SD021T131 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial |

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 | | |
| | | | grade benzene. |
| SD021T131 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is part of an affected MCPU but does not meet the definition of a storage tank per 63.6550 since the unit stores liquid that contains organic HAP only as an impurity. |
| SD021T131 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD021T131 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD022T101 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD022T101 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| SD022T101 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD022T101 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD022T101 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD022T101 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD022T120 | N/A | 40 CFR Part 60, Subpart K | Unit does not store petroleum liquid. |
| SD022T120 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene |

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 | | |
| | | | waste stream. |
| SD022T120 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD022T120 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD022T120 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD022T120 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD023T132 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD023T132 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| SD023T132 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD023T132 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD023T132 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD023T132 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD023T139 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD023T139 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |

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 | | |
| SD023T139 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD023T139 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD023T139 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD023T139 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD048T418 | N/A | 40 CFR Part 60, Subpart K | Does not store a petroleum liquid. |
| SD048T418 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene waste stream. |
| SD048T418 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD048T418 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is part of an affected MCPU but does not meet the definition of a storage tank per 63.6550 since the unit does not contain organic HAP. |
| SD048T418 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD048T418 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |
| SD265T1002 | N/A | 40 CFR Part 60, Subpart Ka | Unit does not store petroleum liquid. |
| SD265T1002 | N/A | 40 CFR Part 61, Subpart FF | Unit is not used to manage a benzene |

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 | | |
| | | | waste stream. |
| SD265T1002 | N/A | 40 CFR Part 61, Subpart Y | Unit does not store refined or industrial grade benzene. |
| SD265T1002 | N/A | 40 CFR Part 63, Subpart FFFF | Unit is not a part of an affected MCPU. |
| SD265T1002 | N/A | 40 CFR Part 63, Subpart G | Not part of an affected CMPU. |
| SD265T1002 | N/A | 40 CFR Part 63, Subpart YY | Unit is not listed as a part of a source category in Table 1 to 63.1100(a). |

New Source Review Authorization References

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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.: 1105 | Issuance Date: 02/17/2012 |
| Authorization No.: 18528 | Issuance Date: 02/29/2012 |
| Authorization No.: 48591 | Issuance Date: 10/16/2013 |
| Authorization No.: 48615 | Issuance Date: 03/29/2005 |
| Authorization No.: 48617 | Issuance Date: 04/24/2013 |
| Authorization No.: 84724 | Issuance Date: 08/19/2013 |
| Permits By Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.122 | Version No./Date: 09/04/2000 |
| Number: 106.124 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 09/04/2000 |
| Number: 106.262 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.264 | Version No./Date: 09/04/2000 |
| Number: 106.472 | Version No./Date: 09/04/2000 |
| Number: 106.475 | Version No./Date: 09/04/2000 |
| Number: 106.476 | Version No./Date: 09/04/2000 |
| Number: 106.478 | Version No./Date: 03/14/1997 |
| Number: 106.478 | Version No./Date: 09/04/2000 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|---------------------------------|---------------------------------|
| OX010D10 | DISTILLATION COLUMN 27D-10 | 48591 |
| OX010D11 | DISTILLATION COLUMN 27D-11 | 18528 |
| OX010D13 | DISTILLATION COLUMN 27D-13 | 48591 |
| OX010D14 | 2-EH DISTILLATION COLUMN 27D-14 | 106.264/09/04/2000 |
| OX010D15 | DISTILLATION COLUMN 27D-15 | 48615 |
| OX010D16 | DISTILLATION COLUMN 27D-16 | 48615 |
| OX010D18 | VENT RECOVERY SCRUBBER 27D-18 | 18528 |
| OX010D19 | DISTILLATION COLUMN 27D-19 | 48615 |
| OX010D20 | DISTILLATION COLUMN 27D-20 | 18528 |
| OX010D21 | DISTILLATION COLUMN 27D-21 | 18528 |
| OX010D22 | 2-EH DISTILLATION COLUMN 27D-22 | 48591 |
| OX010D25 | DISTILLATION COLUMN 27D-25 | 48591 |
| OX010D27 | DISTILLATION COLUMN 27D-27 | 48591 |
| OX010D28 | DISTILLATION COLUMN 27D-28 | 18528 |
| OX010D29 | DISTILLATION COLUMN 27D-29 | 48591 |
| OX010D30 | DISTILLATION COLUMN 27D-30 | 48591 |
| OX010D31A | DISTILLATION COLUMN 27D-31A | 48617 |
| OX010D31B | DISTILLATION COLUMN 27D-31B | 48591 |

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 |
|---------------------------|---------------------------------------|---|
| OX010D32 | DISTILLATION COLUMN 27D-32 | 48591 |
| OX010D34 | DISTILLATION COLUMN 27D-34 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX010D36 | DISTILLATION COLUMN 27D-36 | 48617 |
| OX010D37 | DISTILLATION COLUMN 27D-37 | 48617 |
| OX010D38 | DISTILLATION COLUMN 27D-38 | 48615 |
| OX010D39 | DISTILLATION COLUMN 27D-39 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX010E184 | VENT CONDENSER 27E-184 | 18528 |
| OX010FG1 | PROPANOL PLANT EQUIPMENT LEAKS | 48615, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX010FG2 | 2-EH PLANT EQUIPMENT LEAKS | 48591, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX010FG3 | NPG PLANT EQUIPMENT LEAKS | 18528, 106.261/09/04/2000, 106.261/11/01/2003, 106.262/09/04/2000, 106.262/11/01/2003, 106.475/09/04/2000 |
| OX010MWW1 | PROPANOL PLANT MAINTENANCE WASTEWATER | 84724 |
| OX010MWW3 | NPG PLANT MAINTENANCE WASTEWATER | 84724 |
| OX010R10 | REACTOR 27R-10 | 48591 |
| OX010R11 | REACTOR 27R-11 | 48591 |

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 |
|---------------------------|--------------------------------|---------------------------------|
| OX010R124 | REACTOR 27R-124 | 18528 |
| OX010R12 | REACTOR 27R-12 | 48615 |
| OX010R13 | REACTOR 27R-13 | 18528, 106.475/09/04/2000 |
| OX010R14 | REACTOR 27R-14 | 48591 |
| OX010R16 | REACTOR 27R-16 | 106.475/09/04/2000 |
| OX010R182 | REACTOR 27R-182 | 48591 |
| OX010R19 | REACTOR 27R-19 | 106.124/09/04/2000 |
| OX010R20 | REACTOR 27R-20 | 48591 |
| OX010R21 | REACTOR 27R-21 | 106.124/09/04/2000 |
| OX010R22 | REACTOR 27R-22 | 48591 |
| OX010R323 | REACTOR 27R-323 | 48591 |
| OX010R325 | REACTOR 27T-325 | 18528 |
| OX010R326 | REACTOR 27T-326 | 18528 |
| OX010R410 | REACTOR 27R-410 | 18528 |
| OX010R8 | REACTOR 27R-8 | 48591 |
| OX010R9 | REACTOR 27R-9 | 48591 |
| OX010T221 | SURGE CONTROL VESSEL 27T-221 | 48615 |
| OX010T229 | SURGE CONTROL VESSEL 27T-229 | 48615 |

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 |
|---------------------------|--|--|
| OX010T268 | SURGE CONTROL VESSEL 27T-268 | 18528 |
| OX010T269 | SURGE CONTROL VESSEL 27T-269 | 18528 |
| OX010T2 | SURGE CONTROL VESSEL 27T-2 | 18528 |
| OX010T86 | REACTOR FEED TANK 27T-86 | 48591 |
| OX010T88 | CRUDE STORAGE TANK 27T-88 | 48617 |
| OX010WR1 | PROCESS WASTE LOADING | 18528, 48615, 48617 |
| OX010WW1A | PROPANOL PLANT (D-38) PROCESS WASTEWATER | 48615 |
| OX010WW1B | PROPANOL PLANT (T229) PROCESS WASTEWATER | 48615 |
| OX010WW2 | 2-ETHYLHEXANOL PROCESS WASTEWATER | 106.263/11/01/2001 |
| OX010WW3 | NPG PROCESS WASTEWATER | 18528 |
| OX011D41 | DISTILLATION COLUMN 27D-41 | 18528 |
| OX011D42 | DISTILLATION COLUMN 27D-42 | 18528 |
| OX011D43 | DISTILLATION COLUMN 27D-43 | 18528, 106.261/11/01/2003, 106.262/11/01/2003, 106.475/09/04/2000 |
| OX011D44 | DISTILLATION COLUMN 27D-44 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX011FL1A | BLDG. 29 - NPG FLARE | 18528, 84724, 106.475/09/04/2000 |
| OX011FL1B | BLDG. 29 - PROPANOL/BUTANOL FLARE | 48615, 48617, 84724, 106.475/09/04/2000 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---|
| OX011R15 | REACTOR 27R-15 | 48617, 106.475/09/04/2000 |
| OX011R18 | REACTOR 27R-18 | 18528 |
| OX011T113 | STORAGE TANK 27T-113 | 18528 |
| OX011T148 | SURGE CONTROL VESSEL 27T-148 | 18528 |
| OX011T66 | FEED TANK 27T-66 | 48591 |
| OX027T408 | STORAGE TANK 43T-408 | 48591 |
| OX027T409 | STORAGE TANK 43T-409 | 48591, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX027T72 | N-BUOH STORAGE TANK 43T-72 | 48617 |
| OX027T73 | N-BUOH STORAGE TANK 43T-73 | 48617 |
| OX048FL1C | B-36 FLARE (2-EH PROCESS) | 48591, 84724, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX049T141 | STORAGE TANK 43T-141 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX049T142 | STORAGE TANK 43T-142 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX049T143 | STORAGE TANK 43T-143 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX049T144 | STORAGE TANK 43T-144 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |

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 |
|---------------------------|--------------------------------|---|
| OX049T23 | STORAGE TANK 43T-23 | 48615, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX049T24 | STORAGE TANK 43T-24 | 48615, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX049T80 | STORAGE TANK 43T-80 | 48591, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX050T138 | STORAGE TANK 43T-138 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX050T145 | STORAGE TANK 43T-145 | 18528 |
| OX050T190 | STORAGE TANK 43T-190 | 18528 |
| OX050T191R | STORAGE TANK 43TK-191R | 106.261/11/01/2003, 106.262/11/01/2003, 106.478/09/04/2000 |
| OX050T197 | STORAGE TANK 43T-197 | 18528, 106.472/09/04/2000 |
| OX050T3A | STORAGE TANK 43T-3A | 18528 |
| OX050T403 | STORAGE TANK 43TK-403 | 106.261/11/01/2003, 106.262/11/01/2003 |
| OX050T404 | STORAGE TANK 43TK-404 | 106.261/11/01/2003, 106.262/11/01/2003 |
| OX050T406 | STORAGE TANK 43T-406 | 48591 |
| OX050T422 | STORAGE TANK 43T-422 | 106.472/09/04/2000 |
| OX050T50 | STORAGE TANK 43T-50 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |

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 |
|---------------------------|--------------------------------|---|
| OX050T51 | STORAGE TANK 43T-51 | 18528, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX050T74 | STORAGE TANK 43T-74 | 18528 |
| OX050T75 | STORAGE TANK 43T-75 | 48591, 106.261/11/01/2003, 106.262/11/01/2003 |
| OX050T77R | STORAGE TANK 43T-77R | 18528, 106.472/09/04/2000 |
| OX053D32 | DISTILLATION COLUMN 13D-32 | 18528 |
| OX053D3 | DISTILLATION COLUMN 16D-3 | 18528, 106.475/09/04/2000 |
| OX053D5 | DISTILLATION COLUMN 16D-5 | 18528 |
| OX053D7 | DISTILLATION COLUMN 16D-7 | 48617 |
| OX053D8B | DISTILLATION COLUMN 16D-8B | 18528 |
| OX053D9R | DISTILLATION COLUMN 16D-9R | 48591 |
| OX053FG2 | BUTANOL PLANT EQUIPMENT LEAKS | 48617, 106.261/09/04/2000, 106.261/11/01/2003, 106.262/09/04/2000, 106.262/11/01/2003 |
| OX053T57 | SURGE CONTROL VESSEL 27T-57 | 18528, 106.475/09/04/2000 |
| OX053WW2 | BUTANOL PROCESS WASTEWATER | 48617 |
| PRO2EH | 2-ETHYLHEXANOL PROCESS | 48591, 84724 |
| PROBUOH | BUTANOL PROCESS | 48617, 84724 |

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 |
|---------------------------|--|--|
| PRONPGHE | NPG PROCESS HEAT EXCHANGE SYSTEMS | 18528 |
| PRONPG | NPG PROCESS | 18528, 84724 |
| PROPROHHE | PROPANOL PROCESS HEAT EXCHANGE SYSTEMS | 48615 |
| PROPROH | PROPANOL PROCESS | 48615, 84724 |
| SD020T100 | STORAGE TANK 40T-100 | 48617, 106.261/11/01/2003, 106.262/11/01/2003 |
| SD020T115 | STORAGE TANK 40T-115 | 48615, 106.261/11/01/2003, 106.262/11/01/2003 |
| SD021T129 | STORAGE TANK 40T-129 | 48591, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 |
| SD021T131 | STORAGE TANK 40T-131 | 48615, 106.261/11/01/2003, 106.262/11/01/2003 |
| SD022T101 | STORAGE TANK 40T-101 | 106.261/11/01/2003, 106.262/11/01/2003 |
| SD022T120 | STORAGE TANK 40T-120 | 106.478/09/04/2000 |
| SD023T132 | STORAGE TANK 40T-132 | 48591, 106.261/11/01/2003, 106.262/11/01/2003 |
| SD023T139 | STORAGE TANK 40T-139 | 48617, 106.261/11/01/2003, 106.262/11/01/2003 |
| SD048T418 | STORAGE TANK 43T-418 | 1105 |
| SD265T1002 | STORAGE TANK 60FB-1002 | 48591, 106.261/11/01/2003, |

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 |
|----------------------------------|---------------------------------------|--|
| | | 106.262/11/01/2003 |

Appendix A

Acronym List 82

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 |