

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Air Products LLC

AUTHORIZING THE OPERATION OF
La Porte Texas Facility
Industrial Gas Manufacturing

LOCATED AT
Harris County, Texas
Latitude 29° 42' 11" Longitude 95° 4' 18"
Regulated Entity Number: RN102041282

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: O1249 Issuance Date: _____

For the Commission

Table of Contents

| Section | Page |
|---|------|
| General Terms and Conditions | 1 |
| Special Terms and Conditions: | 1 |
| Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting..... | 1 |
| Additional Monitoring Requirements | 7 |
| New Source Review Authorization Requirements | 7 |
| Compliance Requirements..... | 8 |
| Risk Management Plan | 10 |
| Protection of Stratospheric Ozone | 10 |
| Temporary Fuel Shortages (30 TAC § 112.15) | 10 |
| Permit Location | 10 |
| Permit Shield (30 TAC § 122.148)..... | 10 |
| Attachments | 12 |
| Applicable Requirements Summary..... | 13 |
| Additional Monitoring Requirements | 46 |
| Permit Shield..... | 54 |
| New Source Review Authorization References | 66 |
| Appendix A..... | 72 |
| Acronym List | 73 |

General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

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

- E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.302 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
 - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
 - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
 - (i) Title 30 TAC § 101.352 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
 - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
 - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
 - (v) Title 30 TAC § 101.359 (relating to Reporting)
 - (vi) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
 - (vii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.372 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
 - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)

- (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed 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. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- C. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- E. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
 - (iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
 - (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. The permit holder shall comply with the requirements of 30 TAC § 115.722(b) (relating to Site-wide Cap and Control Requirements) and the requirements of 30 TAC § 115.726(g) (relating to Recordkeeping and Reporting Requirements).
- 5. The permit holder shall comply with the requirements of 30 TAC § 115.726(e)(3)(A) for vent streams having no potential to emit HRVOC.

6. The permit holder shall comply with the requirements of 30 TAC § 115.761(b) (relating to Site-wide Cap) and the requirements of 30 TAC § 115.766(g) (relating to Recordkeeping and Reporting Requirements).
7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
8. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
9. For facilities where total annual benzene quantity from waste is less than 1 megagram per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
 - A. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(5)(i) - (ii), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
 - B. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

- C. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
 - D. Title 40 CFR § 61.357(a), and (b) (relating to Reporting Requirements)
10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
 11. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

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

New Source Review Authorization Requirements

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated January 30, 2026 in the application for project 37902), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
14. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

15. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, 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).
16. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

Compliance Requirements

17. 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.
18. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
 - A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
 - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
 - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
 - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).
 - C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
19. Use of Emission Credits to comply with applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

- (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
- B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
- (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
20. 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

- 21. 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

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

Temporary Fuel Shortages (30 TAC § 112.15)

- 23. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
 - A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
 - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)
 - C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
 - D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

- 24. 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)

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

Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 14

Applicable Requirements Summary 18

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 |
|---------------------------------------|---|----------------------------------|----------------------|-------------------------------------|---------------------------|
| AUXBLR | Boilers/Steam Generators/Steam Generating Units | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| AUXBLR | Boilers/Steam Generators/Steam Generating Units | N/A | 60Dc-01 | 40 CFR Part 60, Subpart Dc | No changing attributes. |
| EGEN13.50A | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| EGEN13.50A | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| EGEN13.50B | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| EGEN13.50B | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| EGEN13.61A | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| EGEN13.61A | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| EGEN13.61B | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| EGEN13.61B | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| EGEN13.70 | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| EGEN13.70 | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| ENG10.31 | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|---------------------------------------|---|----------------------------------|----------------------|--|---------------------------|
| ENG10.31 | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| HYCO3-CFL | Flares | N/A | R1111-01 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| HYCO3-FGPA | Process Heaters/Furnaces | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| HYCO3-FGPB | Process Heaters/Furnaces | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| HYCO3-MEA | Loading/Unloading Operations | N/A | R5211-01 | 30 TAC Chapter 115, Loading and Unloading of VOC | No changing attributes. |
| HYCO3-MEAT | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| HYCO3-WFL | Flares | N/A | R1111-01 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| HYCO3-WWT | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| HYCO4- ANALYZER | Emission Points/Stationary Vents/Process Vents | N/A | R5720-01 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| HYCO4- ANALYZER | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| HYCO4-ATR | Process Heaters/Furnaces | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| HYCO4-BLRBD | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| HYCO4-CFLR | Flares | N/A | R1111-01 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|---------------------------------------|--|----------------------------------|----------------------|--|---------------------------|
| HYCO4-CO2CV | Emission Points/Stationary Vents/Process Vents | N/A | R5720-01 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| HYCO4-CO2CV | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| HYCO4-CWT | Industrial Process Cooling Towers | N/A | R5760-01 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| HYCO4-DV | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| HYCO4-EMENG | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| HYCO4-EMENG | SRIC Engines | N/A | 60III-01 | 40 CFR Part 60, Subpart IIII | No changing attributes. |
| HYCO4-EMENG | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| HYCO4-H9911 | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| HYCO4-REGENVT | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| HYCO4-T424 | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| HYCO4-T6111 | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| HYCO4-WFLR | Flares | N/A | R1111-01 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| HYCO4-WFLR | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| HYCO4-WTJACK | Emission Points/Stationary Vents/Process Vents | N/A | R5121-01 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|---------------------------------------|---|----------------------------------|----------------------|--|---------------------------|
| LOXVAP-GA | Process Heaters/Furnaces | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| LOXVAP-GA | Boilers/Steam Generators/Steam Generating Units | N/A | 60Dc-01 | 40 CFR Part 60, Subpart Dc | No changing attributes. |
| LOXVAP-GB | Process Heaters/Furnaces | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| LOXVAP-GB | Boilers/Steam Generators/Steam Generating Units | N/A | 60Dc-01 | 40 CFR Part 60, Subpart Dc | No changing attributes. |
| P-610 | SRIC Engines | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| P-610 | SRIC Engines | N/A | 60IIII-01 | 40 CFR Part 60, Subpart IIII | No changing attributes. |
| P-610 | SRIC Engines | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| RGN HTR | Process Heaters/Furnaces | N/A | R7ICI-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| TUST24605A | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| TUST24629A | Storage Tanks/Vessels | N/A | R5112-01 | 30 TAC Chapter 115, Storage of VOCs | 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|---|--|--|---|
| AUXBLR | EU | R7ICI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| AUXBLR | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|---|--|---|--|
| AUXBLR | EU | 60Dc-01 | PM | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |
| AUXBLR | EU | 60Dc-01 | PM (Opacity) | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |
| AUXBLR | EU | 60Dc-01 | SO ₂ | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |

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) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|--|---|--|--|
| EGEN13.50A | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | § 117.8140(a) § 117.8140(a)(3) | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| EGEN13.50A | EU | 63ZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c. | § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii | § 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(e) § 63.6650(f) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|--|---|--|--|
| EGEN13.50B | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | § 117.8140(a) § 117.8140(a)(3) | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| EGEN13.50B | EU | 63ZZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c. | § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii | § 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(e) § 63.6650(f) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|--|---|--|--|
| EGEN13.61A | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | § 117.8140(a) § 117.8140(a)(3) | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| EGEN13.61A | EU | 63ZZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c. | § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii | § 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(e) § 63.6650(f) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|--|---|--|--|
| EGEN13.61B | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | § 117.8140(a) § 117.8140(a)(3) | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| EGEN13.61B | EU | 63ZZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c. | § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii | § 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(e) § 63.6650(f) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|--|---|--|--|
| EGEN13.70 | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | § 117.8140(a) § 117.8140(a)(3) | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| EGEN13.70 | EU | 63ZZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c. | § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii | § 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(e) § 63.6650(f) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|--|---|--|--|
| ENG10.31 | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | § 117.8140(a) § 117.8140(a)(3) | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| ENG10.31 | EU | 63ZZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i) | For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c. | § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii | § 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(e) § 63.6650(f) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|--|---|--|---|
| HYCO3-CFL | EU | R1111-01 | 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. Non-excessive upset events are subject to the provisions under §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| HYCO3-FGPA | EU | R7ICI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|---|--|--|---|
| HYCO3-FGPA | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| HYCO3-FGPB | EU | R7ICI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|--|--|---|--|--|---|
| HYCO3-FGPB | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| HYCO3-MEA | EU | R5211-01 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i) | Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified. | § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) § 115.216(3)(B) | None |
| HYCO3-MEAT | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|---------------------|--|--|---|---|---|--|
| HYCO3-WFL | EU | R1111-01 | 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. Non-excessive upset events are subject to the provisions under §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| HYCO3-WWT | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7) | None |
| HYCO4-ANALYZER | EP | R5720-01 | Highly Reactive VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(c)(2) | A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy. | None | § 115.726(e)(3)(A) § 115.726(j)(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|---|---|--|---|
| HYCO4-ANALYZER | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| HYCO4-ATR | EU | R71CI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|---|--|--|---|
| HYCO4-ATR | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| HYCO4-BLRBD | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| HYCO4-CFLR | CD | R1111-01 | 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. Non-excessive upset events are subject to the provisions under §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |

Applicable Requirements Summary

| Unit Group Process 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) |
|----------------------------------|--------------------------------|----------------------|---------------------|--|--|---|--|--|---|
| HYCO4-CO2CV | EP | R5720-01 | Highly Reactive VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.722(c)(1) § 115.722(c)(3) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) § 115.725(n) [G]§ 115.726(a)(2) | HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination. | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| HYCO4-CO2CV | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| HYCO4-CWT | EU | R5760-01 | Highly Reactive VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(3) § 115.764(a)(1) § 115.766(i) | Any site for which no stream directed to a cooling tower heat exchange system contains 5.0% or greater by weight HRVOC is exempt from the requirements of §115.761 of this title (relating to Site-wide Cap). | § 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) [G]§ 115.764(g)(1) | § 115.766(c) § 115.766(i)(1) | § 115.766(i)(2) |
| HYCO4-DV | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|---|---|--|---|--|
| HYCO4-EMENG | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | None | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| HYCO4-EMENG | EU | 60III-01 | CO | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I. | None | None | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|--------------------------|---------------------------------------|---|--|-------------------------------------|---|---|
| HYCO4-EMENG | EU | 60III-01 | NMHC and NO _x | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I. | None | None | [G]§ 60.4214(d) |
| HYCO4-EMENG | EU | 60III-01 | PM | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I. | None | None | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|--------------|---------------------------------------|--|--|-------------------------------------|---|---|
| HYCO4-EMENG | EU | 60III-01 | PM (Opacity) | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) | Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3). | None | None | [G]§ 60.4214(d) |
| HYCO4-EMENG | EU | 63ZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(c) | Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part. | None | None | None |

Applicable Requirements Summary

| Unit Group Process 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|---|---|
| HYCO4-H9911 | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |
| HYCO4-REGENVT | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream specified in §115.121(a)(1) of this title with a concentration of VOC less than 612 parts per million by volume (ppmv) is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| HYCO4-T424 | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |
| HYCO4-T6111 | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |
| HYCO4-WFLR | CD | R1111-01 | 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. Non-excessive upset events are subject to the provisions under §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |

Applicable Requirements Summary

| Unit Group Process 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|---|--|---|
| HYCO4-WFLR | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| HYCO4-WTJACK | EP | R5121-01 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| LOXVAP-GA | EU | R7ICI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|---|--|--|---|
| LOXVAP-GA | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| LOXVAP-GA | EU | 60Dc-01 | PM | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |
| LOXVAP-GA | EU | 60Dc-01 | PM (Opacity) | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |

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) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|---|---|--|---|
| LOXVAP-GA | EU | 60Dc-01 | SO ₂ | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |
| LOXVAP-GB | EU | R7ICI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|---|--|--|---|
| LOXVAP-GB | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| LOXVAP-GB | EU | 60Dc-01 | PM | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |
| LOXVAP-GB | EU | 60Dc-01 | PM (Opacity) | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |

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) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|---|--|---|--|
| LOXVAP-GB | EU | 60Dc-01 | SO ₂ | 40 CFR Part 60, Subpart Dc | § 60.40c(a) | This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW). | None | § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i) | [G]§ 60.48c(a) |
| P-610 | EU | R7ICI-01 | Exempt | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | None | § 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|---|---|---|---|
| P-610 | EU | 60III-01 | CO | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1042-Appendix I § 60.4202(e)(1) § 60.4206 § 60.4207(b) § 60.4211(c) [G]§ 60.4211(f) § 60.4211(g) § 60.4211(g)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(e)-(f), 40 CFR 1042.101, and 40 CFR 1042-Appendix I. | § 60.4209(a) § 60.4211(g)(2) [G]§ 60.4212 | § 60.4211(g)(2) § 60.4214(b) | [G]§ 60.4214(d) |
| P-610 | EU | 60III-01 | PM | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1042-Appendix I § 60.4202(e)(1) § 60.4206 § 60.4207(b) § 60.4211(c) [G]§ 60.4211(f) § 60.4211(g) § 60.4211(g)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 1042-Appendix I. | § 60.4209(a) § 60.4211(g)(2) [G]§ 60.4212 | § 60.4211(g)(2) § 60.4214(b) | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------------------------|---------------------------------------|---|--|---|---|---|
| P-610 | EU | 60IIII-01 | Total Hydrocarbons/NO _x | 40 CFR Part 60, Subpart IIII | § 60.4205(b) § 1042-Appendix I § 60.4202(e)(1) § 60.4206 § 60.4207(b) § 60.4211(c) [G]§ 60.4211(f) § 60.4211(g) § 60.4211(g)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NO _x emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 1042-Appendix I. | § 60.4209(a) § 60.4211(g)(2) [G]§ 60.4212 | § 60.4211(g)(2) § 60.4214(b) | [G]§ 60.4214(d) |
| P-610 | EU | 63ZZZZ-01 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(c) | Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part. | None | None | None |

Applicable Requirements Summary

| Unit Group Process 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|---|--|--|---|
| RGN HTR | EU | R7ICI-01 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |
| RGN HTR | EU | R7ICI-01 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|---|--|---|--|
| TUST24605A | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |
| TUST24629A | EU | R5112-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |

Additional Monitoring Requirements

Periodic Monitoring Summary 47

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|--------------------------------|
| ID No.: AUXBLR | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 40 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the boiler is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|--------------------------------|
| ID No.: HYCO3-FGPA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 32 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the heater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|--------------------------------|
| ID No.: HYCO3-FGPB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 32 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the heater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|--------------------------------|
| ID No.: HYCO4-ATR | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 27.2 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the heater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|--------------------------------|
| ID No.: LOXVAP-GA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 25 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the heater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The fuel flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---|--------------------------------|
| ID No.: LOXVAP-GB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 25 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the heater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The fuel flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|--------------------------------|
| ID No.: RGN HTR | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: R7ICI-01 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel flow rate | |
| Minimum Frequency: Hourly | |
| Averaging Period: Annual | |
| Deviation Limit: A fuel flow that exceeds a calculated heat input of 20 MMBtu/hr shall be considered and reported as a deviation. | |
| <p>Periodic Monitoring Text: Measure and record fuel flow rate when the heater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures.</p> <p>The flow rate shall be used in conjunction with the permitted NSR CO emissions factors to demonstrate compliance with the NSR MAERT limitations, which correspond to a CO concentration less than the 30 TAC Chapter 117 CO emission limitation of 400 ppmv.</p> | |

Permit Shield

Permit Shield 55

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|--|---|
| ASU-CWT | N/A | 30 TAC Chapter 115, HRVOC Cooling Towers | Does not have the potential to emit highly-reactive volatile organic compounds. |
| ASU-CWT | N/A | 40 CFR Part 63, Subpart Q | The source does not operate with chromium-based water treatment chemicals and is not located a major source. |
| ASU-GOX | N/A | 30 TAC Chapter 115, HRVOC Cooling Towers | Does not have the potential to emit highly-reactive volatile organic compounds. |
| ASU-GOX | N/A | 40 CFR Part 63, Subpart Q | The source does not operate with chromium-based water treatment chemicals and is not located a major source. |
| ASU-PW | N/A | 30 TAC Chapter 115, Degreasing Processes | Cold solvent has a vapor pressure less than 0.6 psia at 100 degrees F, drain area is less than 16 square inches, and waste solvent is properly disposed of. |
| ASUOWS1470 | N/A | 30 TAC Chapter 115, Water Separation | Separator is fully covered and designed to capture stormwater, spills or exterior surface cleanup water. |
| ASUOWS1470 | N/A | 40 CFR Part 63, Subpart VV | Facility does not control air emission from oil-water separator for which another subpart of 40 CFR Part 60, 61, 63 references. |
| ASUOWSV991 | N/A | 30 TAC Chapter 115, Water Separation | Separator is fully covered and designed to capture stormwater, spills or exterior surface cleanup water. |
| ASUOWSV991 | N/A | 40 CFR Part 63, Subpart VV | Facility does not control air emission from oil-water separator for which another subpart of 40 CFR Part 60, 61, 63 references. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|--------------------------------------|--------------------------------|--|---|
| AUXBLR | N/A | 30 TAC Chapter 112, Sulfur Compounds | Not a solid or liquid fossil fuel-fired steam generator. |
| AUXBLR | N/A | 40 CFR Part 60, Subpart D | The unit has heat input less than 250 MMBtu/hr. |
| AUXBLR | N/A | 40 CFR Part 60, Subpart Da | The unit has heat input less than 250 MMBtu/hr. |
| AUXBLR | N/A | 40 CFR Part 60, Subpart Db | The unit has heat input less than 100 MMBtu/hr. |
| AUXBLR | N/A | 40 CFR Part 63, Subpart DDDDD | Boiler is not located at, nor is part of, a major source of HAP. |
| CH4COLUMN | N/A | 40 CFR Part 60, Subpart NNN | Process unit does not produce any of the SOCMI chemicals listed in §60.667 as product, co-product, by-product or intermediate. |
| CO2STRIP | N/A | 40 CFR Part 60, Subpart NNN | Process unit does not produce any of the SOCMI chemicals listed in §60.667 as product, co-product, by-product or intermediate. |
| F | N/A | 30 TAC Chapter 115, HRVOC Fugitive Emissions | Not located at an affected source category as specified in §115.780(a), in which a HRVOC compound is a raw material, intermediate, final product, or in a waste stream. |
| F | N/A | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | Facility is not an affected source as specified in 30 TAC § 115.352. |
| F | N/A | 40 CFR Part 60, Subpart DDD | Not involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly (ethylene terephthalate). |
| F | N/A | 40 CFR Part 60, Subpart GGG | Not located in a petroleum refinery. |
| F | N/A | 40 CFR Part 60, Subpart KKK | Not located at an onshore natural gas processing plant. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|---|-------------------------------------|---|
| F | N/A | 40 CFR Part 60, Subpart VV | Not a SOCOMI process. |
| F | N/A | 40 CFR Part 61, Subpart J | Does not operate in benzene service. |
| F | N/A | 40 CFR Part 61, Subpart V | Does not operate in VHAP service. |
| F | N/A | 40 CFR Part 63, Subpart H | Does not operate in OHAP service for 300 hours or more during the calendar year. |
| F | N/A | 40 CFR Part 63, Subpart I | Not a major source of HAPs as defined in section 112(a) of the CAA. |
| GRP-TANK1 | HYCO4-T821A, HYCO4-T821B, HYCO4-T821C, HYCO4-T913, HYCO4-T914, HYCO4-T972 | 30 TAC Chapter 115, Storage of VOCs | The storage tank does not store VOC. |
| GRP-TANK1 | HYCO4-T821A, HYCO4-T821B, HYCO4-T821C, HYCO4-T913, HYCO4-T914, HYCO4-T972 | 40 CFR Part 60, Subpart Kb | The storage vessel does not store volatile organic liquids (VOL) or petroleum liquids. |
| GRP-TANK2 | HYCO4-T423, HYCO4-T4711, HYCO4-T6020A, HYCO4-T6020B, HYCO4-T640, HYCO4-T721, HYCO4-T722, HYCO4-T723, HYCO4-T724, HYCO4-T912, HYCO4-T915, HYCO4-T917 | 30 TAC Chapter 115, Storage of VOCs | The storage tank has a storage capacity less than or equal to 1,000 gallons. |
| GRP-TANK2 | HYCO4-T423, HYCO4-T4711, HYCO4-T6020A, HYCO4-T6020B, HYCO4-T640, HYCO4-T721, HYCO4-T722, HYCO4-T723, HYCO4-T724, HYCO4-T912, HYCO4-T915, HYCO4-T917 | 40 CFR Part 60, Subpart Kb | The storage vessel has a storage capacity less than 75 cubic meters (19,800 gallons) and constructed after July 23, 1984. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|--------------------------------------|---|
| H2STRIP | N/A | 40 CFR Part 60, Subpart NNN | Process unit does not produce any of the SOCMI chemicals listed in §60.667 as product, co-product, by-product or intermediate. |
| H3OWSV806 | N/A | 30 TAC Chapter 115, Water Separation | Separator is fully covered and designed to capture stormwater, spills or exterior surface cleanup water. |
| H3OWSV806 | N/A | 40 CFR Part 63, Subpart VV | Facility does not control air emission from oil-water separator for which another subpart of 40 CFR Part 60, 61, 63 references. |
| HOWS1480 | N/A | 30 TAC Chapter 115, Water Separation | Separator is fully covered and designed to capture stormwater, spills or exterior surface cleanup water. |
| HOWS1480 | N/A | 40 CFR Part 63, Subpart VV | Facility does not control air emission from oil-water separator for which another subpart of 40CFR Part 60, 61, 63 references. |
| HYCO3-C104 | N/A | 40 CFR Part 60, Subpart III | The affected facility does not produce any chemicals listed in §60.617 as a product, co-product, by-product or intermediate. |
| HYCO3-C104 | N/A | 40 CFR Part 60, Subpart RRR | The affected facility is not part of a process unit that produces any of the chemicals listed in §60.707. |
| HYCO3-C204 | N/A | 40 CFR Part 60, Subpart III | The affected facility does not produce any chemicals listed in §60.617 as a product, co-product, by-product or intermediate. |
| HYCO3-C204 | N/A | 40 CFR Part 60, Subpart RRR | The affected facility is not part of a process unit that produces any of the chemicals listed in §60.707. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|--|---|
| HYCO3-CFL | N/A | 30 TAC Chapter 117, Subchapter B | The unit is a flare. |
| HYCO3-CFL | N/A | 40 CFR Part 60, Subpart A | The unit is not used to comply with applicable subparts of 40 CFR 60 and 61. |
| HYCO3-CFL | N/A | 40 CFR Part 63, Subpart A | Flare is not required by a Subpart under 40 CFR 63. |
| HYCO3-CLWTR | N/A | 30 TAC Chapter 115, HRVOC Cooling Towers | Does not have the potential to emit highly-reactive volatile organic compounds. |
| HYCO3-CLWTR | N/A | 40 CFR Part 63, Subpart Q | The source does not operate with chromium-based water treatment chemicals and is not located a major source. |
| HYCO3-FGPA | N/A | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a liquid fuel-fired steam generator, furnace, or heater. |
| HYCO3-FGPB | N/A | 30 TAC Chapter 112, Sulfur Compounds | The unit is not a liquid fuel-fired steam generator, furnace, or heater. |
| HYCO3-MEAT | N/A | 40 CFR Part 60, Subpart K | Tank does not store a petroleum liquid. |
| HYCO3-MEAT | N/A | 40 CFR Part 60, Subpart Ka | Tank does not store a petroleum liquid. |
| HYCO3-MEAT | N/A | 40 CFR Part 60, Subpart Kb | Tank storage capacity is 5000 gallons, which is less than 75 cubic meters (19,800 gallons). |
| HYCO3-MEAT | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR Part 60, 61 or 63 that references this subpart for the control of air emissions. |
| HYCO3-PW | N/A | 30 TAC Chapter 115, Degreasing Processes | Cold solvent has a vapor pressure less than 0.6 psia at 100 degrees F, drain area is less than 16 square inches, and waste solvent is properly disposed of. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|--|--|
| HYCO3-WFL | N/A | 30 TAC Chapter 117, Subchapter B | Flares are exempted from the provisions of 30 TAC Chapter 117, Subchapter B, Division 3. |
| HYCO3-WFL | N/A | 40 CFR Part 60, Subpart A | The unit is not used to comply with applicable subparts of 40 CFR 60 and 61. |
| HYCO3-WFL | N/A | 40 CFR Part 63, Subpart A | Flare is not required by a Subpart under 40 CFR 63. |
| HYCO3-WWT | N/A | 40 CFR Part 60, Subpart K | Tank does not store a petroleum liquid. |
| HYCO3-WWT | N/A | 40 CFR Part 60, Subpart Ka | Tank does not store a petroleum liquid. |
| HYCO3-WWT | N/A | 40 CFR Part 60, Subpart Kb | Tank does not store a petroleum liquid or VOL. |
| HYCO3-WWT | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR 60, 61 or 63 and references this subpart for the control of air emissions. |
| HYCO4-ATR | N/A | 30 TAC Chapter 112, Sulfur Compounds | Not a solid or liquid fossil fuel-fired steam generator. |
| HYCO4-ATR | N/A | 30 TAC Chapter 115, Vent Gas Controls | Combustion unit exhaust stream is exempt as the unit is not being used as a control device for any vent gas stream which is subject to 30 TAC Chapter 115, Subchapter B, Division 2 and which originates from a non-combustion source. |
| HYCO4-ATRFUG | N/A | 30 TAC Chapter 115, HRVOC Fugitive Emissions | Process unit or process is not within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or natural gas/gasoline processing operation. |
| HYCO4-ATRFUG | N/A | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | The site is not one of the affected sources as described in 30 TAC § 115.352 |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|--------------------------------------|--------------------------------|------------------------------------|---|
| HYCO4-ATRFUG | N/A | 40 CFR Part 60, Subpart DDD | Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly (ethylene terephthalate). |
| HYCO4-ATRFUG | N/A | 40 CFR Part 60, Subpart GGG | Facility is not located at a petroleum refinery, or a compressor or a group of all equipment within a process unit as defined in §60.591. |
| HYCO4-ATRFUG | N/A | 40 CFR Part 60, Subpart KKK | Facility and equipment are not located at an onshore natural gas processing plant as defined as §60.631. |
| HYCO4-ATRFUG | N/A | 40 CFR Part 60, Subpart VV | Facility does not produce as an intermediate or final product, one or more of the chemicals listed in §60.489. |
| HYCO4-ATRFUG | N/A | 40 CFR Part 61, Subpart J | Equipment is not a process unit as defined in §61.241 and does not operate in benzene service. |
| HYCO4-ATRFUG | N/A | 40 CFR Part 61, Subpart V | The source does not operate in volatile hazardous air pollutants (VHAP) service. |
| HYCO4-ATRFUG | N/A | 40 CFR Part 63, Subpart H | The source does not operate in organic hazardous air pollutants (HAP) service. |
| HYCO4-ATRFUG | N/A | 40 CFR Part 63, Subpart I | The plant site is not a major source for HAPs as defined in §112(a) of the Federal Clean Air Act. |
| HYCO4-BLRBD | N/A | 30 TAC Chapter 115, HRVOC Vent Gas | Vent gas does not contain highly-reactive volatile organic compounds. |
| HYCO4-C137A | N/A | 40 CFR Part 60, Subpart III | The affected facility does not produce any chemicals listed in §60.617 as a product, co-product, by-product, or intermediate. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|---------------------------------------|---|
| HYCO4-C137A | N/A | 40 CFR Part 60, Subpart RRR | The affected facility is not part of a process unit that produces any of the chemicals listed in §60.707. |
| HYCO4-C137B | N/A | 40 CFR Part 60, Subpart III | The affected facility does not produce any chemicals listed in §60.617 as a product, co-product, by-product, or intermediate. |
| HYCO4-C137B | N/A | 40 CFR Part 60, Subpart RRR | The affected facility is not part of a process unit that produces any of the chemicals listed in §60.707. |
| HYCO4-CFLR | N/A | 30 TAC Chapter 115, HRVOC Vent Gas | Flare does not have the potential to emit highly-reactive volatile organic compounds. |
| HYCO4-CFLR | N/A | 30 TAC Chapter 115, Vent Gas Controls | Vent gas does not contain volatile organic compounds. |
| HYCO4-CFLR | N/A | 30 TAC Chapter 117, Subchapter B | Flares are exempted from the provisions of 30 TAC Chapter 117, Subchapter B, Division 3. |
| HYCO4-CFLR | N/A | 40 CFR Part 60, Subpart A | The unit is not used to comply with applicable subparts of 40 CFR 60 and 61. |
| HYCO4-CFLR | N/A | 40 CFR Part 63, Subpart A | Flare is not required by a Subpart under 40 CFR 63. |
| HYCO4-CWT | N/A | 40 CFR Part 63, Subpart Q | The source does not operate with chromium-based water treatment chemicals and is not located at a major source of HAPs. |
| HYCO4-DV | N/A | 30 TAC Chapter 115, HRVOC Vent Gas | Vent gas does not contain highly-reactive volatile organic compounds. |
| HYCO4-H9911 | N/A | 40 CFR Part 60, Subpart Kc | The storage vessel has a storage capacity less than 20,000 gallons. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|--------------------------------------|--|
| HYCO4-H9911 | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references 40 CFR Part 63, Subpart OO for the control of air emissions. |
| HYCO4-NH3ST | N/A | 30 TAC Chapter 115, Storage of VOCs | The storage tank does not store VOC. |
| HYCO4-REGENVT | N/A | 30 TAC Chapter 115, HRVOC Vent Gas | Vent gas does not contain highly-reactive volatile organic compounds. |
| HYCO4-T424 | N/A | 40 CFR Part 60, Subpart Kc | The storage vessel has a storage capacity less than 20,000 gallons. |
| HYCO4-T424 | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references 40 CFR Part 63, Subpart OO for the control of air emissions. |
| HYCO4-T6111 | N/A | 40 CFR Part 60, Subpart Kc | The storage vessel has a storage capacity less than 20,000 gallons. |
| HYCO4-T6111 | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references 40 CFR Part 63, Subpart OO for the control of air emissions. |
| HYCO4-U901 | N/A | 30 TAC Chapter 115, Water Separation | VOC water separator is fully covered and designed solely to capture stormwater, spills, or exterior surface cleanup water. |
| HYCO4-U901 | N/A | 40 CFR Part 63, Subpart VV | Facility does not control air emissions from oil-water separator for which another subpart of 40 CFR Part 60, 61, or 63 references 40 CFR Part 63, Subpart VV for air emissions control. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|--|---|
| HYCO4-WFLR | N/A | 30 TAC Chapter 115, HRVOC Vent Gas | Flare does not have the potential to emit highly-reactive volatile organic compounds. |
| HYCO4-WFLR | N/A | 30 TAC Chapter 117, Subchapter B | Flares are exempted from the provisions of 30 TAC Chapter 117, Subchapter B, Division 3. |
| HYCO4-WFLR | N/A | 40 CFR Part 60, Subpart A | The unit is not used to comply with applicable subparts of 40 CFR 60 and 61. |
| HYCO4-WFLR | N/A | 40 CFR Part 63, Subpart A | Flare is not required by a Subpart under 40 CFR 63. |
| HYCO4-WTJACK | N/A | 30 TAC Chapter 115, HRVOC Vent Gas | Vent gas does not contain highly-reactive volatile organic compounds. |
| I | N/A | 30 TAC Chapter 115, Vent Gas Controls | The vent gas stream as defined in §115.10, does not emit VOCs. |
| LHYCT | N/A | 30 TAC Chapter 115, HRVOC Cooling Towers | Does not have the potential to emit highly-reactive volatile organic compounds. |
| LHYCT | N/A | 40 CFR Part 63, Subpart Q | The source does not operate with chromium-based water treatment chemicals and is not located a major source. |
| TERM-PW | N/A | 30 TAC Chapter 115, Degreasing Processes | Cold solvent has a vapor pressure less than 0.6 psia at 100 degrees F, drain area is less than 16 square inches, and waste solvent is properly disposed of. |
| TOWS1460 | N/A | 30 TAC Chapter 115, Water Separation | Separator is fully covered and designed to capture stormwater, spills or exterior surface cleanup water. |

Permit Shield

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

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation | Basis of Determination |
|-------------------------------|-------------------------|----------------------------|---|
| TOWS1460 | N/A | 40 CFR Part 63, Subpart VV | Facility does not control air emission from oil-water separator for which another subpart of 40 CFR Part 60, 61, 63 references. |
| TUST24605A | N/A | 40 CFR Part 60, Subpart K | Construction or modification of storage vessel commenced after May 19, 1978. |
| TUST24605A | N/A | 40 CFR Part 60, Subpart Kb | Design capacity of the vessel is less than 40 cubic meters (10,600 gal). |
| TUST24605A | N/A | 40 CFR Part 60, Subpart Kc | The storage vessel has a storage capacity less than 20,000 gallons. |
| TUST24605A | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR 60, 61 or 63 and references this subpart for the control of air emissions. |
| TUST24629A | N/A | 40 CFR Part 60, Subpart K | Construction or modification of storage vessel commenced after May 19, 1978. |
| TUST24629A | N/A | 40 CFR Part 60, Subpart Kb | Design capacity of the vessel is less than 40 cubic meters (10,600 gal). |
| TUST24629A | N/A | 40 CFR Part 60, Subpart Kc | The storage vessel has a storage capacity less than 20,000 gallons. |
| TUST24629A | N/A | 40 CFR Part 63, Subpart OO | The tank is not subject to another subpart within 40 CFR 60, 61 or 63 and references this subpart for the control of air emissions. |

New Source Review Authorization References

New Source Review Authorization References 67

New Source Review Authorization References by Emission Unit 68

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.: 21878 | Issuance Date: 10/28/2025 |
| Authorization No.: 108267 | Issuance Date: 02/07/2022 |
| Permits By Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.183 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.371 | Version No./Date: 09/04/2000 |
| Number: 106.373 | Version No./Date: 09/04/2000 |
| Number: 106.454 | Version No./Date: 11/01/2001 |
| Number: 106.511 | Version No./Date: 09/04/2000 |

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units 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** |
|---------------------------|--|---|
| ASU-CWT | ASU Cooling Water Tower | 21878, 106.261/11/01/2003 [87564], 106.371/09/04/2000 |
| ASU-GOX | ASU-GOX Cooling Water Tower | 21878, 106.261/11/01/2003 [87564], 106.371/09/04/2000 |
| ASU-PW | Air Separation Unit Parts Washer | 106.454/11/01/2001 |
| ASUOWS1470 | ASU Oil/Water Separator 14.70 | 21878 |
| ASUOWSV991 | ASU Oil/Water Separator V991 | 21878 |
| AUXBLR | Aux Boiler | 106.183/09/04/2000 [173538] |
| CH4COLUMN | Methane Column-Distillation Unit C-604 | 21878 |
| CO2STRIP | CO ₂ Stripper-Distillation Unit C-403 | 21878 |
| EGEN13.50A | ASU Diesel Engine Emergency Generator 13.50A - P6 | 21878, 106.511/09/04/2000 |
| EGEN13.50B | ASU Diesel Engine Emergency Generator 13.50B - P5 | 21878, 106.511/09/04/2000 |
| EGEN13.61A | ASU Diesel Engine Emergency Generator 13.61A - P3 | 21878, 106.511/09/04/2000 |
| EGEN13.61B | ASU Diesel Engine Emergency Generator 13.61B - P4 | 21878, 106.511/09/04/2000 |
| EGEN13.70 | HyCO ₃ Diesel Engine Emergency Generator 13.70 - P2 | 21878, 106.511/09/04/2000 |
| ENG10.31 | Diesel Engine Firewater Pump 10.31 - P1 | 21878, 106.511/09/04/2000 |
| F | Plant Fugitives | 21878, 106.261/11/01/2003 [87982], 106.263/11/01/2001 |
| H2STRIP | Hydrogen Stripper-Distillation Unit C-603 | 21878 |
| H3OWSV806 | HyCO ₃ Oil/Water Separator V806 | 21878 |
| HOWS1480 | HyCO Oil/Water Separator 14.80 | 21878 |
| HYCO3-C104 | Gasifier C-104--Partial Oxidation Reactor | 21878 |

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** |
|---------------------------|---|--|
| HYCO3-C204 | Gasifier C-204--Partial Oxidation Reactor | 21878 |
| HYCO3-CFL | HyCO3 Cold Flare | 21878, 108267 |
| HYCO3-CLWTR | HyCO-3 Cooling Tower | 21878, 106.261/11/01/2003 [87564], 106.371/09/04/2000 |
| HYCO3-FGPA | Fired Gas Preheater A | 21878 |
| HYCO3-FGPB | Fired Gas Preheater B | 21878 |
| HYCO3-MEA | MEA Storage Tank for Unloading | 21878 |
| HYCO3-MEAT | HyCO3 MEA Tank | 21878 |
| HYCO3-PW | HyCO3 Parts Washer | 106.454/11/01/2001 |
| HYCO3-WFL | HyCO3 Warm Flare | 21878, 108267 |
| HYCO3-WWT | Waster Water Storage Tank | 21878 |
| HYCO4-ANALYZER | HyCO-4 Analyzers | 21878 |
| HYCO4-ATR | HyCO-4 ATR Fired Heater | 21878 |
| HYCO4-ATRFUG | HyCO-4 Hydrogen Plant Fugitives | 21878, 106.263/11/01/2001 |
| HYCO4-BLRBD | HyCO-4 Boiler Blowdown Flash | 21878 |
| HYCO4-C137A | Combined Hydrogenerator/Desulfurizer | 21878 |
| HYCO4-C137B | Combined Hydrogenerator/Desulfurizer | 21878 |
| HYCO4-CFLR | HyCO4 Cold Flare | 21878 |
| HYCO4-CO2CV | HyCO-4 CO ₂ Compressor Vent | 21878 |
| HYCO4-CWT | HyCO-4 Cooling Tower | 21878 |
| HYCO4-DV | HyCO-4 Deaerator Steam Vent | 21878 |

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** |
|---------------------------|---------------------------------------|-----------------------------------|
| HYCO4-EMENG | HyCO-4 Diesel Generator | 21878 |
| HYCO4-H9911 | Process Waste Water Sump | 21878 |
| HYCO4-NH3ST | Aqueous NH ₃ Tank | 21878 |
| HYCO4-REGENVT | HyCO-4 TSA Regen Vent | 21878 |
| HYCO4-T423 | Anti Foam Mixing Tank | 21878 |
| HYCO4-T424 | AMDEA Solvent Storage Tank | 21878 |
| HYCO4-T4711 | Lube Oil Tank | 21878 |
| HYCO4-T6020A | Day Tank | 21878 |
| HYCO4-T6020B | Day Tank | 21878 |
| HYCO4-T6111 | Lube Oil Tank | 21878 |
| HYCO4-T640 | CO ₂ Prod Comp LO Oil Tank | 21878 |
| HYCO4-T721 | Internal Treatment Tank | 21878 |
| HYCO4-T722 | Neutralizing Amine Tank | 21878 |
| HYCO4-T723 | Oxygen Scavenger Tank | 21878 |
| HYCO4-T724 | Internal Treatment Polymer Tank | 21878 |
| HYCO4-T821A | Vertical LIN Tank | 21878 |
| HYCO4-T821B | Vertical LIN Tank | 21878 |
| HYCO4-T821C | Vertical LIN Tank | 21878 |
| HYCO4-T912 | Corrosion Inhibitor GN8301 | 21878 |
| HYCO4-T913 | Bleach Tank | 21878 |
| HYCO4-T914 | Acid Tank | 21878 |

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** |
|---------------------------|---|--|
| HYCO4-T915 | Yellow Metal Inhibitor | 21878 |
| HYCO4-T917 | Corrosion Inhibitor Tote | 21878 |
| HYCO4-T972 | Filtered Water Storage Tank | 21878 |
| HYCO4-U901 | Oil-Water Separator | 21878 |
| HYCO4-WFLR | HyCO4 Warm Flare | 21878 |
| HYCO4-WTJACK | HyCO-4 Water Jacket Vent | 21878 |
| I | Temperature Swing Absorption Driers Stack | 21878 |
| LHYCT | LHY Cooling Water Tower | 106.371/09/04/2000 [162098], 106.373/09/04/2000 [162098] |
| LOXVAP-GA | Liquid Oxygen Vaporizer Burner A | 106.183/09/04/2000 |
| LOXVAP-GB | Liquid Oxygen Vaporizer Burner B | 106.183/09/04/2000 |
| P-610 | Emergency Generator - P7 | 21878 |
| RGN HTR | D Plant ASU Regen Heater | 106.183/09/04/2000 |
| TERM-PW | Terminal Parts Washer | 106.454/11/01/2001 |
| TOWS1460 | Terminal Oil/Water Separator 14.60 | 21878 |
| TUST24605A | Diesel Fuel #2 (UST) Storage Tank-Terminal Area | 21878 |
| TUST24629A | Diesel Fuel #2 (UST) Storage Tank-Terminal Area | 21878 |

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

Acronym List 73

Acronym List

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

| | |
|------------------|---|
| ACFM | actual cubic feet per minute |
| AMOC | alternate means of control |
| ARP | Acid Rain Program |
| ASTM | American Society of Testing and Materials |
| B/PA | Beaumont/Port Arthur (nonattainment area) |
| CAM | Compliance Assurance Monitoring |
| CD | control device |
| CEMS | continuous emissions monitoring system |
| CFR | Code of Federal Regulations |
| COMS | continuous opacity monitoring system |
| CVS | closed vent system |
| D/FW | Dallas/Fort Worth (nonattainment area) |
| EP | emission point |
| EPA | U.S. Environmental Protection Agency |
| EU | emission unit |
| FCAA Amendments | Federal Clean Air Act Amendments |
| FOP | federal operating permit |
| gr/100 scf | grains per 100 standard cubic feet |
| HAP | hazardous air pollutant |
| H/G/B | Houston/Galveston/Brazoria (nonattainment area) |
| H ₂ S | hydrogen sulfide |
| ID No. | identification number |
| lb/hr | pound(s) per hour |
| MACT | Maximum Achievable Control Technology (40 CFR Part 63) |
| MMBtu/hr | Million British thermal units per hour |
| NA | nonattainment |
| N/A | not applicable |
| NADB | National Allowance Data Base |
| NESHAP | National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61) |
| NO _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 |
| PEMS | predictive emissions monitoring system |
| PM | particulate matter |
| ppmv | parts per million by volume |
| PRO | process unit |
| PSD | prevention of significant deterioration |
| psia | pounds per square inch absolute |
| RO | Responsible Official |
| SIP | state implementation plan |
| SO 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 |