

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Akzo Nobel Functional Chemicals LLC

AUTHORIZING THE OPERATION OF  
Akzo Nobel Functional Chemicals Pasadena  
Pasadena Site  
Industrial Organic Chemicals

LOCATED AT  
Harris County, Texas  
Latitude 29° 38' 47" Longitude 95° 3' 56"  
Regulated Entity Number: RN104262704

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:   O3334   Issuance Date: \_\_\_\_\_

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For the Commission

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## **General Terms and Conditions**

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

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

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

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

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

## **Special Terms and Conditions:**

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

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

- D. 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.
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<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
  - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
  - (3) Records of all observations shall be maintained.
  - (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

- (5) Compliance Certification:
- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
  - (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

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

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the

air emission source or enclosed facility is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

- C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions

Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

- D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- E. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
  - (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:
  - A. Title 30 TAC § 115.142 (relating to Control Requirements)
  - B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)
  - C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)
  - D. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - E. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - F. Title 30 TAC § 115.147(2) (relating to Exemptions), for streams with an annual VOC loading of 10 megagrams (11.03 tons) or less
  - G. Title 30 TAC § 115.147(4) (relating to Exemptions), for safety purposes
  - H. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
- 5. 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).
- 6. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter H, Division 1 for pressure relief devices not controlled by a flare:
  - A. Title 30 TAC § 115.725(c)

- B. Title 30 TAC § 115.725(c)(1), (c)(1)(A) - (C)
  - C. Title 30 TAC § 115.725(c)(2)
  - D. Title 30 TAC § 115.725(c)(3), (c)(3)(A) - (E)
  - E. Title 30 TAC § 115.725(c)(4)
  - F. Title 30 TAC § 115.725(l)
  - G. Title 30 TAC § 115.726(c), (c)(1) - (4)
7. 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.
  8. The permit holder shall comply with the requirements of 30 TAC § 115.726(e)(3)(A) for vent streams from sources exempt under 30 TAC § 115.727(c)(3).
  9. 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).
  10. The permit holder shall comply with the following requirements of 30 TAC Chapter 117:
    - A. For boilers, process heaters, and stationary reciprocating engines exempt from Subchapter D, Division 1 at minor sources of NO<sub>x</sub> under 30 TAC § 117.2003(a), the permit holder shall comply with 30 TAC §§ 117.2030(c), 117.2035(g), 117.2045(b) and 117.2045(c).
  11. 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)
  12. 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)
13. 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)
14. 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.
15. 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**

16. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:

- A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
- B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
- C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
- D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
- E. The permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:
  - (i) Once a year the permit holder shall inspect the capture system in compliance of CAM for leaks in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppm above background or as defined by the underlying applicable requirement; or
  - (ii) Once a month, the permit holder shall conduct a visual, audible, and/or olfactory inspection of the capture system in compliance of CAM to detect leaking components.
- F. The permit holder shall comply with either of the following requirements for any bypass of the control device subject to CAM. If the results of the following inspections or monitoring indicate bypass of the control device, the permit holder shall promptly take necessary corrective actions and report a deviation:
  - (i) Install a flow indicator that is capable of recording flow, at least once every fifteen minutes, immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or
  - (ii) Once a month, the permit holder shall inspect the valves checking the position of the valves and the condition of the car seals. Identify all times when the car seal has been broken and the valve position has been changed to allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere.

- G. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
17. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

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

18. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
- A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
19. 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.
20. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

## Compliance Requirements

21. 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.
22. Use of Emission Credits to comply with applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
23. 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**

- 24. 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**

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

### **Permit Location**

26. 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)**

27. 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**

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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**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
DCP-SUMP	WASTEWATER UNITS	N/A	R5142-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
FWPH-ENG	SRIC ENGINES	N/A	60III	40 CFR Part 60, Subpart III	No changing attributes.
FWPH-ENG	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPBATCH-1	CHEMICAL MANUFACTURING PROCESS	PRO-DCP, PRO- FORM, PRO- NOURY, PRO- PERCAR	R5162-1	30 TAC Chapter 115, Batch Processes	No changing attributes.
GRPBATCH-2	CHEMICAL MANUFACTURING PROCESS	PRO-MEKP, PRO- MPP, PRO-PEREST	R5162-1	30 TAC Chapter 115, Batch Processes	No changing attributes.
GRPDISTILL	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	MPP-11, MPP-12	R5122-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPDISTILL	DISTILLATION OPERATIONS	MPP-11, MPP-12	60NNN-1	40 CFR Part 60, Subpart NNN	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPRECLAIM	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	MEKP-6, MPP-1, MPP-6, PPC-N-15, PPC-N-6	R5122-1	30 TAC Chapter 115, Vent Gas Controls	Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg)., VOC Concentration = VOC concentration is greater than or equal to 612 ppmv., VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.
GRPRECLAIM	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	MEKP-6, MPP-1, MPP-6, PPC-N-15, PPC-N-6	R5122-2	30 TAC Chapter 115, Vent Gas Controls	Alternate Control Requirement = Alternate control is not used., Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPRECLAIM	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	MEKP-6, MPP-1, MPP-6, PPC-N-15, PPC-N-6	R5122-3	30 TAC Chapter 115, Vent Gas Controls	Alternate Control Requirement = Alternate control is not used., Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).
GRPSUMPS-1	WASTEWATER UNITS	BIO-SUMP, MPP- SUMP, NEUT-SUMP, PC-SUMP, PER- SUMP	R5142-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPTANKS-1A	STORAGE TANKS/VESSELS	MEKP-2, MEKP-3, MEKP-4, MPP-19, MPP-20, MPP-21, PPC-C-16, PPC-N-1, PPC-N-14, PPC-N-2, PPC-N-3, PPC-N-4, PPC-N-5, TANK- AHYD, TANK- BZCL, TANK-CHP, TANK-EHCF, TANK-EHCL, TANK-ISOP, TANK- NDCL, TANK- PVCL, TANK-SBCF, TANK-TBA, TANK- TBHP, TANK-TXIB, TANK-WMO, TNK- PER-EG	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANKS-2A	STORAGE TANKS/VESSELS	TANK-OMS, TNK- MPP-EG	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPTRANS-1	LOADING/UNLOADING OPERATIONS	MEKP-2, MEKP-3, MEKP-4, PEREST-15, PEREST-16, PEREST-4, PEREST-9, PPC-C-16, PPC-N-1, PPC-N-13, PPC-N-14, TANK-AHYD, TANK-BZCL, TANK-CHP, TANK-DIES, TANK-EHCF, TANK-EHCL, TANK-FWPH, TANK-ISOP, TANK-NDCL, TANK-OMS, TANK-SBCF, TANK-TBHP, TANK-TXIB, TANK-WMO, TNK-MPP-EG, TNK-PER-EG	R5212-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPTRANS-2	LOADING/UNLOADING OPERATIONS	PPC-N-2, TANK-IA, TANK-MEK, TANK-PVCL, TANK-TBA	R5212-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPVENTS-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DCP-1, DCP-2, DCP-3, DCP-4, DCP-5, FORMUL-1, FORMUL-2, FORMUL-3, FORMUL-4, MEKP- 1A, MEKP-1B, MPP- 10, MPP-5, MPP-9, PEREST-8, PPC-C- 11, PPC-C-12, PPC- C-18, PPC-C-20, PPC-C-21, PPC-C-6, PPC-N-12, PRO- MEKP, PRO- NOURY, PRO- PERCAR, SHREDDER	R5121-1	30 TAC Chapter 115, Vent Gas Controls	VOC Concentration = VOC concentration is less than 612 ppmv.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPVENTS-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DCP-1, DCP-2, DCP-3, DCP-4, DCP-5, FORMUL-1, FORMUL-2, FORMUL-3, FORMUL-4, MEKP- 1A, MEKP-1B, MPP- 10, MPP-5, MPP-9, PEREST-8, PPC-C- 11, PPC-C-12, PPC- C-18, PPC-C-20, PPC-C-21, PPC-C-6, PPC-N-12, PRO- MEKP, PRO- NOURY, PRO- PERCAR, SHREDDER	R5121-2	30 TAC Chapter 115, Vent Gas Controls	VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.
GRPVENTS-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	PRO-MPP, PRO- PEREST	R5122-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPWSEP-1	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	MEKP-10, MEKP-7, MPP-13, MPP-15, MPP-16, MPP-17, MPP-18, PEREST- 12, PEREST-13, PEREST-14, PEREST-2, PPC-C- 10, PPC-C-18, PPC- C-7, PPC-N-10, PPC-N-11	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
MAINT-DEG	SOLVENT DEGREASING MACHINES	N/A	R5412-1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
MP-ACETATE	FUGITIVE EMISSION UNITS	N/A	R5352-1	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
MP-ACETATE	FUGITIVE EMISSION UNITS	N/A	60VV-1	40 CFR Part 60, Subpart VV	No changing attributes.
MP-CTOWER	INDUSTRIAL PROCESS COOLING TOWERS	N/A	R5760-1	30 TAC Chapter 115, HRVOC Cooling Towers	Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system in which each individual heat exchanger with greater than 100 ppmw HRVOCs is operated with the minimum pressure on the cooling water side at least 5 psig greater than the maximum pressure on the process side.
MP-CTOWER	INDUSTRIAL PROCESS COOLING TOWERS	N/A	R5760-2	30 TAC Chapter 115, HRVOC Cooling Towers	Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system has an intervening cooling fluid containing less than 100 ppmw of HRVOC between the process and cooling water.
MPP-14	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-1	30 TAC Chapter 115, Water Separation	Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
MPP-14	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-2	30 TAC Chapter 115, Water Separation	Exemption = Water separator does not qualify for exemption., Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131., Control Device = Direct flame incinerator.
MPP-4	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
MPP-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
MPP-GEN	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
PE-ACETATE	FUGITIVE EMISSION UNITS	N/A	R5352-1	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
PERCAR-GEN	SRIC ENGINES	N/A	60III	40 CFR Part 60, Subpart III	No changing attributes.
PERCAR-GEN	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
PERC-GEN-B	SRIC ENGINES	N/A	60III	40 CFR Part 60, Subpart III	No changing attributes.
PERC-GEN-B	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
PEREST-7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	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
PEREST-GEN	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
TANK-MEK	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TANK-SUMP	WASTEWATER UNITS	N/A	R5142-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
DCP-SUMP	EU	R5142-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual VOC loading is less than or equal to 10 Mg (11.03 tons).	§ 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	§ 115.146(1) § 115.146(3) § 115.146(4)	[G]§ 115.142(4)

**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)
FWPH-ENG	EU	60III	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 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)
FWPH-ENG	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 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)
FWPH-ENG	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPBATCH-1	PRO	R5162-1	VOC	30 TAC Chapter 115, Batch Processes	§ 115.167(2) § 115.162(3)	Combined vents from a batch process train or single unit operations that meet the criteria in § 115.162(2)(A) or (B), respectively, are exempt from the requirements of this division, except for §§115.161(b) and (C), 115.164, and 115.166(2).	§ 115.164(1) § 115.164(2) § 115.166 [G]§ 115.166(2)	§ 115.166 [G]§ 115.166(2)	None
GRPBATCH-2	PRO	R5162-1	VOC	30 TAC Chapter 115, Batch Processes	§ 115.162(1) § 115.162(1)(A) § 115.162(1)(B) § 115.162(1)(C) § 115.162(2) § 115.162(2)(B) § 115.162(2)(D) § 115.162(2)(E)	The mass emission rate from individual process vents or for process vent streams in aggregate within a batch process shall be reduced by 90% if the actual average flow rate value is below the flow rate value calculated using the applicable RACT equation.	§ 115.164(1) § 115.164(2) § 115.165(1) § 115.165(2) [G]§ 115.165(2)(A) [G]§ 115.165(2)(B) § 115.166 § 115.166(1) § 115.166(1)(A) § 115.166(1)(A)(i) [G]§ 115.166(2) § 115.166(3) § 115.166(3)(A)	§ 115.166 § 115.166(1) § 115.166(1)(A) § 115.166(1)(A)(i) [G]§ 115.166(2) § 115.166(3) § 115.166(3)(A)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPDISTILL	EP	R5122-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(A)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
GRPDISTILL	EP	60NNN-1	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.660(c)(4) § 60.662(c)	Each affected facility with a total resource effectiveness (TRE) index value > 8.0 is exempt from this subpart except for § 60.662; § 60.664(d), (e), (f); and § 60.665(h) and (l).	[G]§ 60.664(e) § 60.664(f) [G]§ 60.664(f)(1) § 60.664(f)(2) § 60.664(g) § 60.664(g)(1) § 60.664(g)(2)	[G]§ 60.665(h) § 60.665(p)	§ 60.664(g)(1) § 60.665(l) § 60.665(l)(7) § 60.665(p)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPRECLAIM	EP	R5122-1	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
GRPRECLAIM	EP	R5122-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(C)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPRECLAIM	EP	R5122-3	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(A)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
GRPSUMPS-1	EU	R5142-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(4) [G]§ 115.142(4) [G]§ 115.148	If compliance with the control requirements of §115.142 of this title would create a safety hazard in a component, the owner or operator may request the Executive Director to exempt that component.	§ 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	§ 115.146(1) § 115.146(3) § 115.146(4)	[G]§ 115.142(4) § 115.147(4)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPTANKS-1A	EU	R5112-1	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
GRPTANKS-2A	EU	R5112-1	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**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPTRANS-1	EU	R5212-1	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
GRPTRANS-2	EU	R5212-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(3) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	All land-based VOC transfer to or from transport vessels shall be conducted in the manner specified for leak-free operations.	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(iii)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPVENTS-1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPVENTS-1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPVENTS-1	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPVENTS-2	EP	R5122-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(A)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
GRPWSEP-1	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
MAINT-DEG	EU	R5412-1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) [G]§ 115.411(2) [G]§ 115.412(1)(A) § 115.412(1)(C) [G]§ 115.412(1)(F)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
MP-ACETATE	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(7)	Plant sites covered by a single account number with less than 250 components in VOC service are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
MP-ACETATE	EU	60VV-1	VOC	40 CFR Part 60, Subpart VV	§ 60.480(d)(3) § 60.480(d)(1) § 60.486(k)	If an affected facility produces heavy liquid chemicals only from heavy liquid feed or raw materials, then it is exempt from §§ 60.482-1 through 60.482-10.	None	[G]§ 60.486(a) § 60.486(i) § 60.486(i)(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)
MP-CTOWER	EU	R5760-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(1)	Cooling tower heat exchange systems in which each individual heat exchanger with > 100 ppmw HRVOC in the process side fluid is operated with the minimum pressure on the cooling water side at least five psig greater than the maximum pressure on the process side, as demonstrated by continuous pressure monitoring and recording at all heat exchangers with > 100 ppmw HRVOC in the process side fluid, is exempt from the requirements of this division, with the exception of §115.766(b)-(c).	None	§ 115.766(b) § 115.766(b)(1) § 115.766(c)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
MP-CTOWER	EU	R5760-2	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(5)	Any cooling tower heat exchange system with an intervening cooling fluid containing less than 100 ppmw of HRVOC between the process and the cooling water is exempt from the requirements of this division, with the exception of the recordkeeping requirements of §115.766(b) and (c) of this title.	None	§ 115.766(b) § 115.766(b)(2) § 115.766(c)	None
MPP-14	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
MPP-14	EU	R5131-2	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(3) § 115.131(a)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(a) of this title.	[G]§ 115.135(a) § 115.136(a)(2) § 115.136(a)(2)(A) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(2) § 115.136(a)(2)(A) § 115.136(a)(3) § 115.136(a)(4)	None
MPP-4	EU	R5112-1	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
MPP-4	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(4)(A) [G]§ 115.122(a)(4) § 115.127(a)(4)	Any SOCM I reactor process or distillation operation that is designed and operated in a batch mode is exempt from the requirements of §115.121(a)(2)(A) of this title.	None	None	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
MPP-GEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
PE-ACETATE	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(7)	Plant sites covered by a single account number with less than 250 components in VOC service are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PERCAR-GEN	EU	60III	CO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 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)
PERCAR-GEN	EU	60III	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 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 <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 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)
PERCAR-GEN	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 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)
PERCAR-GEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart 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)
PERC-GEN-B	EU	60III	CO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 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)
PERC-GEN-B	EU	60III	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 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)
PERC-GEN-B	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 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)
PERC-GEN-B	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
PEREST-7	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(4)(A) [G]§ 115.122(a)(4) § 115.127(a)(4)	Any SOCM reactor process or distillation operation that is designed and operated in a batch mode is exempt from the requirements of §115.121(a)(2)(A) of this title.	None	None	None
PEREST-GEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

**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)
TANK-MEK	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
TANK-SUMP	EU	R5142-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual VOC loading is less than or equal to 10 Mg (11.03 tons).	§ 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	§ 115.146(1) § 115.146(3) § 115.146(4)	[G]§ 115.142(4)

**Additional Monitoring Requirements**

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### CAM Summary

Unit/Group/Process Information	
ID No.: GRPDISTILL	
Control Device ID No.: OXIDIZER	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5122-1
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: The minimum combustion temperature shall be 1,400 °F.	
<p>CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

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

### CAM Summary

Unit/Group/Process Information	
ID No.: GRPVENTS-2	
Control Device ID No.: OXIDIZER	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5122-1
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: The minimum combustion temperature shall be 1,400 °F.	
<p>CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

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

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPRECLAIM	
Control Device ID No.: PPC-N-35	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5122-2
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Monthly	
Averaging Period: 1 hour	
<p>Deviation Limit: Outlet VOC concentrations that exceed the max. VOC concentr. equal to or greater than 20 ppmv and that exceed concentr. measured during the most recent performance test (which have demonstrated a control efficiency of at least 90%) shall be reported.</p>	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the control device. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words "leak definition" in Method 21 shall be the outlet concentration. Instrument readings will be taken once every 15 minutes over a 60-minute period and averaged together to establish a "maximum VOC concentration". The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: MAINT-DEG	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-1
Pollutant: VOC	Main Standard: § 115.412(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1)(A)-(F) shall be reported as a deviation.	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

**Permit Shield**

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### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DCP-SUMP	N/A	40 CFR Part 60, Subpart RRR	Not a SOCM I Reactor Process - does not produce any chemicals listed in §60.707.
FWRPH-ENG	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
FWR-SUMP	N/A	30 TAC Chapter 115, Industrial Wastewater	Not a wastewater storage, handling, transfer, or treatment facility. Sump is wet weather retention basin.
FWR-SUMP	N/A	40 CFR Part 60, Subpart RRR	Not a SOCM I Reactor Process - does not produce any chemicals listed in §60.707.
GRPBATCH-1	PRO-DCP, PRO-FORM, PRO-NOURY, PRO-PERCAR	40 CFR Part 60, Subpart DDD	Do not manufacture polypropylene, polyethylene, polystyrene, or poly (ethylene terephthalate).
GRPBATCH-1	PRO-DCP, PRO-FORM, PRO-NOURY, PRO-PERCAR	40 CFR Part 60, Subpart III	Not a SOCM I Air Oxidation Reactor - does not produce any chemicals listed in §60.617.
GRPBATCH-1	PRO-DCP, PRO-FORM, PRO-NOURY, PRO-PERCAR	40 CFR Part 63, Subpart BBBB	Not a Chemical Preparations Facility.
GRPBATCH-1	PRO-DCP, PRO-FORM, PRO-NOURY, PRO-PERCAR	40 CFR Part 63, Subpart VVVVVV	Wastewater Systems are not part of the CMPU.
GRPBATCH-2	PRO-MEKP, PRO-MPP, PRO-PEREST	40 CFR Part 60, Subpart DDD	Do not manufacture polypropylene, polyethylene, polystyrene, or poly (ethylene terephthalate).

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPBATCH-2	PRO-MEKP, PRO-MPP, PRO-PEREST	40 CFR Part 60, Subpart III	Not a SOCOMI Air Oxidation Reactor - does not produce any chemicals listed in §60.617.
GRPBATCH-2	PRO-MEKP, PRO-MPP, PRO-PEREST	40 CFR Part 63, Subpart BBBB	Not a Chemical Preparations Facility.
GRPBATCH-2	PRO-MEKP, PRO-MPP, PRO-PEREST	40 CFR Part 63, Subpart VVVVVV	Wastewater Systems are not part of the CMPU.
GRPCTOWER	NS-CTOWER, PC-CTOWER, PE-CTOWER1, PE-CTOWER2	30 TAC Chapter 115, HRVOC Cooling Towers	Does not emit or have potential to emit HRVOC.
GRPDISTILL	MPP-11, MPP-12	40 CFR Part 60, Subpart RRR	Not a SOCOMI Reactor Process - does not produce any chemicals listed in §60.707.
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation.
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not a process unit or process within a petroleum refinery; SOCOMI; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	40 CFR Part 60, Subpart VV	Not a SOCMO Operation - Facility does not produce as an intermediate or final product one or more of the chemicals listed in §60.489.
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	40 CFR Part 61, Subpart J	Not in Benzene Service.
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	40 CFR Part 61, Subpart V	Not in VHAP Service.
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	40 CFR Part 63, Subpart H	No 40 CFR Part 63 References Use of this Subpart.
GRPFUG	DCP-FUG, FORMUL-FUG, MEKP-FUG, MPP-FUG, PERCAR-FUG, PEREST-FUG, PPC-N-FUG, TANK-FUG, TXT-FUG	40 CFR Part 63, Subpart I	Site is not Major Source of HAPs per 112(a) of CAA.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPRECLAIM	MEKP-6, MPP-1, MPP-6, PPC-N-15, PPC-N-6	40 CFR Part 60, Subpart NNN	Not a SOCFI Distillation Operation
GRPRECLAIM	MEKP-6, MPP-1, MPP-6, PPC-N-15, PPC-N-6	40 CFR Part 60, Subpart RRR	Not a SOCFI Reactor Process - does not produce any chemicals listed in §60.707.
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not a petroleum refinery; a synthetic organic chemical, polymer resin, or methyl-tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation.
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not a process unit or process within a petroleum refinery; SOCFI; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream.
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	40 CFR Part 60, Subpart VV	Not a SOCFI Operation - Facility does not produce as an intermediate or final product one or more of the chemicals listed in §60.489.
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	40 CFR Part 61, Subpart J	Not in Benzene Service.
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	40 CFR Part 61, Subpart V	Not in VHAP Service.
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	40 CFR Part 63, Subpart H	No 40 CFR Part 63 References Use of this Subpart.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPRECYCLE	AA-FUG, MEK-FUG, TBA-FUG	40 CFR Part 63, Subpart I	Site is not Major Source of HAPs per 112(a) of CAA.
GRPSUMPS-1	BIO-SUMP, MPP-SUMP, NEUT-SUMP, PC-SUMP, PER-SUMP	40 CFR Part 60, Subpart RRR	Not a SO2MI Reactor Process - does not produce any chemicals listed in §60.707.
GRPTANKS-1A	MEKP-2, MEKP-3, MEKP-4, MPP-19, MPP-20, MPP-21, PPC-C-16, PPC-N-1, PPC-N-14, PPC-N-2, PPC-N-3, PPC-N-4, PPC-N-5, TANK-AHYD, TANK-BZCL, TANK-CHP, TANK-EHCF, TANK-EHCL, TANK-ISOP, TANK-NDCL, TANK-PVCL, TANK-SBCF, TANK-TBA, TANK-TBHP, TANK-TXIB, TANK-WMO, TNK-PER-EG	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-1A	MEKP-2, MEKP-3, MEKP-4, MPP-19, MPP-20, MPP-21, PPC-C-16, PPC-N-1, PPC-N-14, PPC-N-2, PPC-N-3, PPC-N-4, PPC-N-5, TANK-AHYD, TANK-BZCL, TANK-CHP, TANK-EHCF, TANK-EHCL, TANK-ISOP, TANK-NDCL, TANK-PVCL, TANK-SBCF, TANK-TBA, TANK-TBHP, TANK-TXIB, TANK-WMO, TNK-PER-EG	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
GRPTANKS-1A	MEKP-2, MEKP-3, MEKP-4, MPP-19, MPP-20, MPP-21, PPC-C-16, PPC-N-1, PPC-N-14, PPC-N-2, PPC-N-3, PPC-N-4, PPC-N-5, TANK-AHYD, TANK-BZCL, TANK-CHP, TANK-EHCF, TANK-EHCL, TANK-ISOP, TANK-NDCL, TANK-PVCL, TANK-SBCF, TANK-TBA, TANK-TBHP, TANK-TXIB, TANK-WMO, TNK-PER-EG	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-1A	MEKP-2, MEKP-3, MEKP-4, MPP-19, MPP-20, MPP-21, PPC-C-16, PPC-N-1, PPC-N-14, PPC-N-2, PPC-N-3, PPC-N-4, PPC-N-5, TANK-AHYD, TANK-BZCL, TANK-CHP, TANK-EHCF, TANK-EHCL, TANK-ISOP, TANK-NDCL, TANK-PVCL, TANK-SBCF, TANK-TBA, TANK-TBHP, TANK-TXIB, TANK-WMO, TNK-PER-EG	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
GRPTANKS-2A	TANK-OMS, TNK-MPP-EG	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
GRPTANKS-2A	TANK-OMS, TNK-MPP-EG	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
GRPTANKS-2A	TANK-OMS, TNK-MPP-EG	40 CFR Part 60, Subpart Kb	Storage vessel capacity is greater than or equal to 19,800 gallons and less than 40,000 gallons with a maximum true vapor pressure less than 15.0 kPa.
GRPTANKS-2A	TANK-OMS, TNK-MPP-EG	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
GRPTANKS-3	PEREST-1, PEREST-9, PPC-C-4, PPC-C-5	30 TAC Chapter 115, Storage of VOCs	Storage tank capacity is less than 1,000 gallons.
GRPTANKS-3	PEREST-1, PEREST-9, PPC-C-4, PPC-C-5	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-3	PEREST-1, PEREST-9, PPC-C-4, PPC-C-5	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
GRPTANKS-3	PEREST-1, PEREST-9, PPC-C-4, PPC-C-5	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
GRPTANKS-3	PEREST-1, PEREST-9, PPC-C-4, PPC-C-5	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
GRPTANKS-4	FORMUL-1, MEKP-1A, MEKP-1B, TANK-DIES, TANK-FWPH	30 TAC Chapter 115, Storage of VOCs	Storage tank volume is less than 1,000 gallons.
GRPTANKS-4	FORMUL-1, MEKP-1A, MEKP-1B, TANK-DIES, TANK-FWPH	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
GRPTANKS-4	FORMUL-1, MEKP-1A, MEKP-1B, TANK-DIES, TANK-FWPH	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
GRPTANKS-4	FORMUL-1, MEKP-1A, MEKP-1B, TANK-DIES, TANK-FWPH	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
GRPTANKS-4	FORMUL-1, MEKP-1A, MEKP-1B, TANK-DIES, TANK-FWPH	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-5	FORMUL-2, MEKP-10, MEKP-11, MEKP-12, MEKP-13, MEKP-16, MEKP-8, MPP-22, MPP-23, MPP-24, MPP-26, MPP-28, MPP-31, MPP-33, MPP-35, PEREST-11, PEREST-2, PEREST-3A, PEREST-8, PPC-C-11, PPC-C-20, PPC-C-6, PPC-N-19, PPC-N-7, PPC-N-8	30 TAC Chapter 115, Storage of VOCs	Process Vessels
GRPTANKS-5	FORMUL-2, MEKP-10, MEKP-11, MEKP-12, MEKP-13, MEKP-16, MEKP-8, MPP-22, MPP-23, MPP-24, MPP-26, MPP-28, MPP-31, MPP-33, MPP-35, PEREST-11, PEREST-2, PEREST-3A, PEREST-8, PPC-C-11, PPC-C-20, PPC-C-6, PPC-N-19, PPC-N-7, PPC-N-8	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
GRPTANKS-5	FORMUL-2, MEKP-10, MEKP-11, MEKP-12, MEKP-13, MEKP-16, MEKP-8, MPP-22, MPP-23, MPP-24, MPP-26, MPP-28, MPP-31, MPP-33, MPP-35, PEREST-11, PEREST-2, PEREST-3A, PEREST-8, PPC-C-11, PPC-C-20, PPC-C-6, PPC-N-19, PPC-N-7, PPC-N-8	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-5	FORMUL-2, MEKP-10, MEKP-11, MEKP-12, MEKP-13, MEKP-16, MEKP-8, MPP-22, MPP-23, MPP-24, MPP-26, MPP-28, MPP-31, MPP-33, MPP-35, PEREST-11, PEREST-2, PEREST-3A, PEREST-8, PPC-C-11, PPC-C-20, PPC-C-6, PPC-N-19, PPC-N-7, PPC-N-8	40 CFR Part 60, Subpart Kb	Process Vessels
GRPTANKS-5	FORMUL-2, MEKP-10, MEKP-11, MEKP-12, MEKP-13, MEKP-16, MEKP-8, MPP-22, MPP-23, MPP-24, MPP-26, MPP-28, MPP-31, MPP-33, MPP-35, PEREST-11, PEREST-2, PEREST-3A, PEREST-8, PPC-C-11, PPC-C-20, PPC-C-6, PPC-N-19, PPC-N-7, PPC-N-8	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
GRPTANKS-6	MEKP-14, MEKP-15, MPP-25, MPP-27, MPP-29, MPP-30, MPP-32, MPP-34, MPP-36, PEREST-10, PEREST-3B, PPC-C-18, PPC-N-18, PPC-N-9	30 TAC Chapter 115, Storage of VOCs	Process Vessels

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-6	MEKP-14, MEKP-15, MPP-25, MPP-27, MPP-29, MPP-30, MPP-32, MPP-34, MPP-36, PEREST-10, PEREST-3B, PPC-C-18, PPC-N-18, PPC-N-9	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
GRPTANKS-6	MEKP-14, MEKP-15, MPP-25, MPP-27, MPP-29, MPP-30, MPP-32, MPP-34, MPP-36, PEREST-10, PEREST-3B, PPC-C-18, PPC-N-18, PPC-N-9	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
GRPTANKS-6	MEKP-14, MEKP-15, MPP-25, MPP-27, MPP-29, MPP-30, MPP-32, MPP-34, MPP-36, PEREST-10, PEREST-3B, PPC-C-18, PPC-N-18, PPC-N-9	40 CFR Part 60, Subpart Kb	Process Vessels
GRPTANKS-6	MEKP-14, MEKP-15, MPP-25, MPP-27, MPP-29, MPP-30, MPP-32, MPP-34, MPP-36, PEREST-10, PEREST-3B, PPC-C-18, PPC-N-18, PPC-N-9	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-7	MEKP-9, MPP-3, MPP-8, MPP-A, PEREST-5, PPC-C-1, PPC-C-2, PPC-C-3, TANK-ACID1, TANK-ACID2, TANK-ACID3, TANK-H2O2, TANK-H2SO4, TANK-KOH, TANK-NACL, TANK-NAOH1, TANK-NAOH2, TANK-SULF	30 TAC Chapter 115, Storage of VOCs	Storage tanks do not store VOC materials.
GRPTANKS-7	MEKP-9, MPP-3, MPP-8, MPP-A, PEREST-5, PPC-C-1, PPC-C-2, PPC-C-3, TANK-ACID1, TANK-ACID2, TANK-ACID3, TANK-H2O2, TANK-H2SO4, TANK-KOH, TANK-NACL, TANK-NAOH1, TANK-NAOH2, TANK-SULF	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
GRPTANKS-7	MEKP-9, MPP-3, MPP-8, MPP-A, PEREST-5, PPC-C-1, PPC-C-2, PPC-C-3, TANK-ACID1, TANK-ACID2, TANK-ACID3, TANK-H2O2, TANK-H2SO4, TANK-KOH, TANK-NACL, TANK-NAOH1, TANK-NAOH2, TANK-SULF	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS-7	MEKP-9, MPP-3, MPP-8, MPP-A, PEREST-5, PPC-C-1, PPC-C-2, PPC-C-3, TANK-ACID1, TANK-ACID2, TANK-ACID3, TANK-H2O2, TANK-H2SO4, TANK-KOH, TANK-NACL, TANK-NAOH1, TANK-NAOH2, TANK-SULF	40 CFR Part 60, Subpart Kb	Does not store VOL materials.
GRPTANKS-7	MEKP-9, MPP-3, MPP-8, MPP-A, PEREST-5, PPC-C-1, PPC-C-2, PPC-C-3, TANK-ACID1, TANK-ACID2, TANK-ACID3, TANK-H2O2, TANK-H2SO4, TANK-KOH, TANK-NACL, TANK-NAOH1, TANK-NAOH2, TANK-SULF	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
GRPVENTS-1	DCP-1, DCP-2, DCP-3, DCP-4, DCP-5, FORMUL-1, FORMUL-2, FORMUL-3, FORMUL-4, MEKP-1A, MEKP-1B, MPP-10, MPP-5, MPP-9, PEREST-8, PPC-C-11, PPC-C-12, PPC-C-18, PPC-C-20, PPC-C-21, PPC-C-6, PPC-N-12, PRO-MEKP, PRO-NOURY, PRO-PERCAR, SHREDDER	40 CFR Part 60, Subpart RRR	Not a SOCFI Reactor Process - does not produce any 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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPVENTS-2	PRO-MPP, PRO-PEREST	40 CFR Part 60, Subpart RRR	Not a SOCM I Reactor Process - does not produce any chemicals listed in §60.707.
GRPWSEP-1	MEKP-10, MEKP-7, MPP-13, MPP-15, MPP-16, MPP-17, MPP-18, PEREST-12, PEREST-13, PEREST-14, PEREST-2, PPC-C-10, PPC-C-18, PPC-C-7, PPC-N-10, PPC-N-11	40 CFR Part 63, Subpart VV	No 40 CFR Parts 60, 61, or 63 References use of this subpart.
MP-ACETATE	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not a process unit or process within a petroleum refinery; SOCM I; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream.
MP-ACETATE	N/A	40 CFR Part 61, Subpart J	Not in Benzene Service.
MP-ACETATE	N/A	40 CFR Part 61, Subpart V	Not in VHAP Service.
MP-ACETATE	N/A	40 CFR Part 63, Subpart H	No 40 CFR Part 63 References Use of this Subpart.
MP-ACETATE	N/A	40 CFR Part 63, Subpart I	Site is not Major Source of HAPs per 112(a) of CAA.
MPP-14	N/A	40 CFR Part 63, Subpart VV	No 40 CFR Parts 60, 61, or 63 References use of this subpart.
MPP-4	N/A	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
MPP-4	N/A	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
MPP-4	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
MPP-4	N/A	40 CFR Part 60, Subpart RRR	Not a SOCOMI Reactor Process - batch operation is not an affected facility.
MPP-4	N/A	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
MPP-GEN	N/A	40 CFR Part 60, Subpart IIII	Engine commenced construction before July 11, 2005.
MPP-GEN	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
PE-ACETATE	N/A	30 TAC Chapter 115, HRVOC Fugitive Emissions	Not a process unit or process within a petroleum refinery; SOCOMI; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream.
PE-ACETATE	N/A	40 CFR Part 60, Subpart VV	Facility Constructed Prior to 01/05/1981.
PE-ACETATE	N/A	40 CFR Part 61, Subpart J	Not in Benzene Service.
PE-ACETATE	N/A	40 CFR Part 61, Subpart V	Not in VHAP Service.
PE-ACETATE	N/A	40 CFR Part 63, Subpart H	No 40 CFR Part 63 References Use of this Subpart.

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PE-ACETATE	N/A	40 CFR Part 63, Subpart I	Site is not Major Source of HAPs per 112(a) of CAA.
PERCAR-GEN	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
PERC-GEN-B	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
PEREST-7	N/A	30 TAC Chapter 115, Storage of VOCs	Tank volume is less than 500 gals.
PEREST-7	N/A	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
PEREST-7	N/A	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
PEREST-7	N/A	40 CFR Part 60, Subpart Kb	Tank volume is less than 75 cubic meters.
PEREST-7	N/A	40 CFR Part 60, Subpart RRR	Not a SOCOMI Reactor Process - batch operation is not an affected facility.
PEREST-7	N/A	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
PEREST-GEN	N/A	40 CFR Part 60, Subpart IIII	Generator commenced construction before July 11, 2005.
PEREST-GEN	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
TANK-IA	N/A	30 TAC Chapter 115, Storage of VOCs	Not a stationary storage tank - tank truck trailer.

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
TANK-MEK	N/A	40 CFR Part 60, Subpart K	Post 1978, <40K Gals, or Not Petroleum Liquid
TANK-MEK	N/A	40 CFR Part 60, Subpart Ka	Post 1984, < 40K Gals, or Not Petroleum Liquid
TANK-MEK	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
TANK-MEK	N/A	40 CFR Part 61, Subpart Y	Storage vessels do not store benzene.
TANK-SUMP	N/A	40 CFR Part 60, Subpart RRR	Not a SOCOMI Reactor Process - does not produce any chemicals listed in §60.707.

**New Source Review Authorization References**

**New Source Review Authorization References..... 78**

**New Source Review Authorization References by Emission Unit ..... 80**

**New Source Review Authorization References**

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 1298	Issuance Date: 10/05/2005
Authorization No.: 21149	Issuance Date: 08/15/2012
Authorization No.: 21865	Issuance Date: 10/16/2009
Authorization No.: 9692	Issuance Date: 09/13/2013
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.124	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 12/24/1998
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000

### 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.

Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 03/14/1997
Number: 106.532	Version No./Date: 09/04/2000
Number: 106.533	Version No./Date: 06/30/2004

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
AA-FUG	AA DISTILLATION FUGITIVES	9692
BIO-SUMP	BIOSAN WASTEWATER SUMP	106.532/09/04/2000
DCP-1	DCP MELT VESSEL 412-T101	106.261/11/01/2003, 106.261/12/24/1998, 106.262/11/01/2003
DCP-2	DCP MELT VESSEL 412-T102	106.261/11/01/2003, 106.261/12/24/1998, 106.262/11/01/2003
DCP-3	DCP MELT VESSEL 412-T103	106.261/11/01/2003, 106.261/12/24/1998, 106.262/11/01/2003
DCP-4	DCP PACKOUT	106.261/11/01/2003, 106.261/12/24/1998
DCP-5	TRIGONOX T PACKOUT	106.261/11/01/2003, 106.262/11/01/2003
DCP-FUG	DCP PLANT FUGITIVES	106.261/09/04/2000, 106.262/09/04/2000
DCP-SUMP	DCP WASTEWATER SUMP	106.532/09/04/2000
FORMUL-1	MARION DOSING TANK T-311	106.261/09/04/2000
FORMUL-2	NAUTA DOSING TANK T-315	106.261/09/04/2000, 106.262/09/04/2000
FORMUL-3	MARION DUST COLLECTOR A-507	106.261/09/04/2000, 106.262/09/04/2000
FORMUL-4	NAUTA DUST COLLECTOR A-508	106.261/09/04/2000, 106.262/09/04/2000
FORMUL-FUG	FORMULATIONS PLANT FUGITIVES	106.261/09/04/2000
FWRPH-ENG	FIREWATER PUMP HOUSE EMERGENCY ENGINE	106.511/09/04/2000
FWR-SUMP	FIREWATER RETENTION SUMP	106.532/09/04/2000
MAINT-DEG	MAINTENANCE DEGREASER	106.454/11/01/2001

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
MEK-FUG	MEK EVAPORATOR FUGITIVES	106.261/09/04/2000
MEKP-10	MEKP EXTRACTOR VESSEL T-524	106.261/09/04/2000, 106.262/09/04/2000
MEKP-11	MEKP EVAPORATOR FEED VESSEL T-525	106.261/09/04/2000
MEKP-12	MEKP BLEND / REWORK VESSEL T-910	106.261/11/01/2003
MEKP-13	MEKP KNOCK-OUT VESSEL T-932	106.261/09/04/2000
MEKP-14	MEKP DILUTION VESSEL NO. 1 T-933	106.261/09/04/2000, 106.261/11/01/2003
MEKP-15	MEKP DILUTION VESSEL NO. 2 T-934	106.261/09/04/2000, 106.261/11/01/2003
MEKP-16	MEKP CONDENSATE VESSEL T-936	106.261/09/04/2000
MEKP-1A	MEKP RED DYE TANK T-900	106.261/09/04/2000, 106.472/09/04/2000
MEKP-1B	MEKP VR DYE TANK T-901	106.472/09/04/2000
MEKP-2	MEKP DEG TANK T-649	106.261/09/04/2000
MEKP-3	MEKP DAA TANK T-650	106.261/09/04/2000
MEKP-4	MEKP AA TANK T-651	106.261/09/04/2000
MEKP-6	MEKP EVAPORATOR H-931	106.261/09/04/2000, 106.262/09/04/2000
MEKP-7	MEKP REACTOR R-521	106.261/09/04/2000, 106.262/09/04/2000
MEKP-8	MEKP PRODUCT VESSEL T-407	106.262/09/04/2000
MEKP-9	MEKP H2SO4 ACID TANK T-513	106.472/09/04/2000
MEKP-FUG	MEKP PLANT FUGITIVES	106.261/09/04/2000, 106.262/09/04/2000
MP-ACETATE	MPP ACETATE FUGITIVES	21865

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
MP-CTOWER	MPP COOLING TOWER A1103	106.371/09/04/2000
MPP-10	MPP PRODUCT RECOVERY	21865
MPP-11	MPP DISTILLATION C-801	21865
MPP-12	MPP DISTILLATION C-802	21865
MPP-13	MPP REACTOR R-301	21865
MPP-14	MPP REACTOR R-302	21865
MPP-15	MPP REACTOR R-303	21865
MPP-16	MPP COALESCER S-402	21865
MPP-17	MPP COALESCER S-803	21865
MPP-18	MPP COALESCER S-805	21865
MPP-19	MPP SHIFT TANK T-103	21865
MPP-1	MPP ACID STRIPPER C-701	21865
MPP-20	MPP SHIFT TANK T-104	21865
MPP-21	MPP SHIFT TANK T-105	21865
MPP-22	MPP PREMIX VESSEL T-202	21865
MPP-23	MPP DRYING VESSEL T-401	21865
MPP-24	MPP HOLD VESSEL T-403	21865
MPP-25	MPP DILUTION VESSEL T-404	21865
MPP-26	MPP PRODUCT VESSEL T-406	21865

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
MPP-27	MPP STRIPPER FEED VESSEL T-701	21865
MPP-28	MPP TBA RECEIVER VESSEL T-704	21865
MPP-29	MPP TBA STILL CHARGE VESSEL T-705	21865
MPP-30	MPP RECYCLED TBA PRODUCT VESSEL T-706	21865
MPP-31	MPP ACID DILUTION VESSEL T-801	21865
MPP-32	MPP TBHP CRUDE VESSEL T-802	21865
MPP-33	MPP TBHP BUFFER VESSEL T-811	21865
MPP-34	MPP SHIFT VESSEL T-812	21865
MPP-35	MPP DTAP/DTBP RECEIVER T-813	21865
MPP-36	MPP SHIFT VESSEL T-814	21865
MPP-3	MPP BICARBONATE TANK T-204	21865
MPP-4	MPP ACETATE TANK T-205	21865
MPP-5	MPP PACKOUT T-813	21865
MPP-6	MPP TBA BATCH STILL C-702	21865
MPP-8	MPP RECYCLE ACID BUFFER VESSEL T-207	21865
MPP-9	MPP PACKOUT T-401	21865
MPP-A	MPP ACID DILUTION VESSEL T-203	21865
MPP-FUG	MPP PLANT FUGITIVES	21865, 106.261/11/01/2003, 106.262/11/01/2003

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
MPP-GEN	MPP PLANT EMERGENCY GENERATOR	106.511/09/04/2000
MPP-SUMP	MPP WASTEWATER SUMP	21865
NEUT-SUMP	BIOSAN NEUTRALIZATION WASTEWATER SUMP	106.532/09/04/2000
NS-CTOWER	NOURYSET COOLING TOWER 423-401	9692
PC-CTOWER	PERCARBONATE AIR COIL SYSTEM 401-603	106.371/09/04/2000
PC-SUMP	PERCARBONATE WASTEWATER SUMP	1298
PE-ACETATE	PERESTER ACETATE FUGITIVES	21865
PE-CTOWER1	PERESTER AIR COIL SYSTEM 403-603	106.371/09/04/2000
PE-CTOWER2	PERESTER AIR COIL SYSTEM 403-620	106.371/09/04/2000
PERCAR-FUG	PERCARBONATE PLANT FUGITIVES	1298
PERCAR-GEN	PERCARBONATE PLANT EMERGENCY GENERATOR	106.511/09/04/2000
PERC-GEN-B	PERCARBONATE PLANT SIS EMERGENCY GENERATOR	106.511/09/04/2000
PEREST-10	PERESTER BCA-50 ISOTAINER 403-308	21865
PEREST-11	PERESTER AC / CF VESSEL 403-310	21865
PEREST-12	PERESTER WASH VESSEL 403-312	21865
PEREST-13	PERESTER COALESCER 403-314	21865
PEREST-14	PERESTER REACTOR 403-339	21865
PEREST-15	DILUENT TANK TRUCK FOR TX B-DF50	21865
PEREST-16	AROMATIC 100 TANK TRUCK FOR PX B-CA50	21865

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
PEREST-1	PERESTER STACK TANK 403-333	21865
PEREST-2	PERESTER DRYING FEED TANK 403-313	21865
PEREST-3A	PERESTER DILUTION VESSEL NO. 1 403-318	21865
PEREST-3B	PERESTER DILUTION VESSEL NO. 2 401-338	21865
PEREST-4	PERESTER TANKER LOADING	21865
PEREST-5	PERESTER BICARBONATE TANK 403-301	21865
PEREST-7	PERESTER ACETATE TANK 403-303	21865
PEREST-8	PERESTER RECOVERY VESSEL 403-340	21865
PEREST-9	PERESTER AC / CF TANK 403-306	21865
PEREST-FUG	PERESTER PLANT FUGITIVES	21865, 106.261/11/01/2003, 106.262/11/01/2003
PEREST-GEN	PERESTER PLANT EMERGENCY GENERATOR	106.511/09/04/2000
PER-SUMP	PERESTER WASTEWATER SUMP	21865
PPC-C-10	PERCARBONATE WASH VESSEL 401-301	106.261/12/24/1998, 106.262/12/24/1998
PPC-C-11	PERCARBONATE DILUTION VESSEL NO. 1 401-303	1298
PPC-C-12	PERCARBONATE COMFORT EXHAUST FAN 401-902	1298
PPC-C-16	PERCARBONATE EG TANK 401-205	1298
PPC-C-18	PERCARBONATE DRYING VESSEL 401-306	1298, 106.261/12/24/1998, 106.262/12/24/1998

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
PPC-C-1	PERCARBONATE CARBONATE TANK 401-309	1298
PPC-C-20	PERCARBONATE DILUTION VESSEL NO. 2 401-321	1298, 106.261/12/24/1998, 106.262/12/24/1998
PPC-C-21	PERCARBONATE PACKOUT	1298
PPC-C-2	PERCARBONATE SODIUM CHLORIDE TANK 401-313	1298
PPC-C-3	PERCARBONATE CARBONATE TANK 401-308	1298
PPC-C-4	PERCARBONATE AC / CF TANK 401-310	1298
PPC-C-5	PERCARBONATE NS TANK 401-311	1298
PPC-C-6	PERCARBONATE AC / CF VESSEL 401-316	1298
PPC-C-7	PERCARBONATE REACTOR 401-305	106.261/12/24/1998, 106.262/12/24/1998
PPC-N-10	NOURYSET PP SEPARATOR 422-501	9692
PPC-N-11	NOURYSET COALESCER 422-520A	9692
PPC-N-12	NS PACKOUT	9692
PPC-N-13	NS TANKER LOADING	9692
PPC-N-14	NS EG TANK 423-320	9692
PPC-N-15	NS RECTIFIER COLUMN 422-311	9692
PPC-N-18	NS REACTOR BUFFER VESSEL 422-302	9692
PPC-N-19	NS AZEO VESSEL 422-303	9692
PPC-N-1	DEGCF TANK 422-201	9692

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
PPC-N-2	AA TANK 422-202	9692
PPC-N-3	NS TANK 422-204	9692
PPC-N-4	NS TANK 422-207	9692
PPC-N-5	NS TANK 422-208	9692
PPC-N-6	NS STEAM STRIPPER 422-305	9692
PPC-N-7	NS VESSEL 422-313.1	9692
PPC-N-8	NS VESSEL 422-313.2	9692
PPC-N-9	NS VESSEL 422-313.3	9692
PPC-N-FUG	NOURYSET PLANT FUGITIVES	9692
PRO-DCP	DCP PROCESS	106.261/11/01/2003, 106.261/12/24/1998, 106.262/11/01/2003
PRO-FORM	FORMULATION PROCESS	106.261/09/04/2000, 106.262/09/04/2000
PRO-MEKP	MEKP PROCESS	106.261/09/04/2000, 106.262/09/04/2000
PRO-MPP	MPP PROCESS	21865
PRO-NOURY	NS PROCESS	9692
PRO-PERCAR	PERCARBONATE PROCESS	1298
PRO-PEREST	PERESTER PROCESS	21865
SHREDDER	CONTAINER SHREDDER	106.261/11/01/2003, 106.261/12/24/1998, 106.262/11/01/2003, 106.262/12/24/1998

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
TANK-ACID1	H2SO4 TANK 406-710	21149
TANK-ACID2	H2SO4 TANK 406-711	21149
TANK-ACID3	BIOSAN ACID TANK	21149
TANK-AHYD	ACETIC ANHYDRIDE TANK 400-223	21149
TANK-BZCL	BENZOYL CHLORIDE TANK 403-202	21149
TANK-CHP	CUMENE HYDROPEROXIDE TANK 400-222	21149
TANK-DIES	K&H DIESEL TANK	106.472/09/04/2000
TANK-EHCF	2-EHCF TANK 400-215	21149
TANK-EHCL	2-EHCL TANK 400-220	21149
TANK-FUG	TANK FARM FUGITIVES	21149
TANK-FWPH	FWPH DIESEL TANK	106.472/09/04/2000
TANK-H2O2	H2O2 TANK 406-202	21149
TANK-H2SO4	H2SO4 TANK 406-602	21149
TANK-IA	ISOAMYLENE BULK CONTAINER	21865
TANK-ISOP	ISOPAR SOLVENT TANK 400-225	21149
TANK-KOH	KOH TANK 406-201	21149
TANK-MEK	MEK TANK 400-645	21149
TANK-NACL	NACL TANK 403-608	21149
TANK-NAOH1	NAOH TANK 403-204	21149

**New Source Review Authorization References by Emissions Unit**

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
TANK-NAOH2	NAOH TANK 403-216	21149
TANK-NDCL	NDCL TANK 400-218	21149
TANK-OMS	ISOPAR SOLVENT TANK 400-224	21149
TANK-PVCL	PVCL TANK 400-221	21149
TANK-SBCF	SBCF TANK 401-226	21149
TANK-SULF	SULFITE TANK 400-214	21149
TANK-SUMP	TANKER UNLOADING SUMP	106.532/03/14/1997
TANK-TBA	TBA TANK 406-601	21149
TANK-TBHP	TBHP TANK 403-201	21149
TANK-TXIB	TXIB TANK 400-646	21149
TANK-WMO	WMO TANK 400-219	21149
TBA-FUG	TBA DISTILLATION FUGITIVES	21865
TNK-MPP-EG	MPP EG TANK 406-T1101	21149
TNK-PER-EG	PER EG TANK 403-320	21149
TXT-FUG	TRIGONOX T PROCESS FUGITIVES	106.261/11/01/2003

**Appendix A**

**Acronym List ..... 91**

## Acronym List

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

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