

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Rohm and Haas Chemicals, LLC

AUTHORIZING THE OPERATION OF  
Rohm and Haas Texas Deer Park Plant  
Lone Star Facility  
All Other Basic Organic Chemical Manufacturing

LOCATED AT  
Harris County, Texas  
Latitude 29° 43' 44" Longitude 95° 6' 15"  
Regulated Entity Number: RN100223205

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: 02237 Issuance Date: April 29, 2026



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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 H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.130 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. Emission units subject to 40 CFR Part 63, Subpart EEEE as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.880 which incorporates the 40 CFR Part 63 Subpart by reference.
  - G. Emission units subject to 40 CFR Part 63, Subpart FFFF as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.890 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<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. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the 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.
- 5. For miscellaneous chemical process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.2485, Table 7, the permit holder shall comply with the requirements of 40 CFR § 63.105 (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).
- 6. For miscellaneous chemical process facilities with Group 2 wastewater streams subject to wastewater operations requirements in 40 CFR Part 63, Subpart FFFF, the permit holder shall comply with the requirements of 40 CFR § 63.132(a), (a)(1), (a)(1)(i), and (a)(3) as specified in § 63.2485(a) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).

7. For the transfer of site remediation materials subject to 40 CFR Part 63, Subpart GGGGG off-site to another facility, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference):
  - A. Title 40 CFR § 63.7936(a), for the transfer of site remediation materials
  - B. Title 40 CFR § 63.7936(b)(1), for transfer to a landfill or land disposal unit
  - C. Title 40 CFR § 63.7936(b)(2), for transfer to a facility subject to 40 CFR Part 63, Subpart DD
  - D. Title 40 CFR § 63.7936(b)(3), (b)(3)(i) - (iv), for transfer to a facility managing the site remediation material according to the requirements of 40 CFR Part 63, Subpart GGGGG
  - E. Title 40 CFR § 63.7952(a)(10), for recordkeeping requirements
8. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

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

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated June 17, 2025 in the application for project 36701, 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
10. 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.
11. 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**

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
13. Use of Emission Credits to comply with applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
14. Use of Discrete Emission Credits to comply with the applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116

- (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
  - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

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

### **Permit Location**

- 16. 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)**

- 17. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Permit Shield**

**New Source Review Authorization References**

**Applicable Requirements Summary**

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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

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TNK-1M	STORAGE TANKS/VESSELS	LS-50702, LS- 50708, LS-50734, LS-50765, LS- 50776, LS-50790	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TNK-1P	STORAGE TANKS/VESSELS	LS-50710, LS- 50718, LS-50719	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TNK-1P	STORAGE TANKS/VESSELS	LS-50710, LS- 50718, LS-50719	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
GRP-TNK-2M	STORAGE TANKS/VESSELS	LS-50712, LS-50713	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP1-MACT4F	CHEMICAL MANUFACTURING PROCESS	LS-50560, LS- 50565, LS-50610, LS-50635	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
GRP1-VENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	LS-50559, LS- 50585, LS-50587, LS-50589, LS- 50591, LS-50606, LS-50607, LS- 50625, LS-50626, LS-50633, LS-50775	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP2-TANK	STORAGE TANKS/VESSELS	LS-50800, LS- 50801, LS-50802, LS-50803, LS- 50804, LS-50805, LS-50806, LS- 50807, LS-50808, LS-50809, LS- 50810, LS-50811, LS-50812, LS- 50813, LS-50814, LS-50815, LS- 50816, LS-50817,	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		LS-50818, LS-50819, LS-50820, LS-50821, LS-50822, LS-50823, LS-50824, LS-50825, LS-50826, LS-50827, LS-50828, LS-50829			
GRP2-VENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	LS-50600, LS-50602	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
LS-50725	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LS-50767	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LS-50770	STORAGE TANKS/VESSELS	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LS-LD	LOADING/UNLOADING OPERATIONS	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
LS-UNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure less than 0.5 psia.
LS-UNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211-02	30 TAC Chapter 115, Loading and Unloading of VOC	Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected., True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Daily Throughput = Daily throughput not

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized., Chapter 115 Control Device Type = No control device.
LS-UNLD	LOADING/UNLOADING OPERATIONS	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
LU-1	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LU-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
LU-1	FLARES	N/A	63A-01	40 CFR Part 63, Subpart A	No changing attributes.
LU-2	FUGITIVE EMISSION UNITS	N/A	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
LU-2	FUGITIVE EMISSION UNITS	N/A	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
LU-PROCESS	INDUSTRIAL PROCESS COOLING TOWERS	N/A	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
LU-PROCESS	CHEMICAL MANUFACTURING PROCESS	N/A	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
LU-VS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TNK-1M	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-TNK-1P	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	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)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-TNK-1P	EU	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2470(a)-Table 4.1.b.iii § 63.11(b) § 63.2450(b) § 63.2470(a) § 63.2470(d) § 63.982(b) § 63.983(a)(1) § 63.983(a)(2) § 63.983(d)(1) § 63.983(d)(1)(i) [G]§ 63.983(d)(2) § 63.983(d)(3) § 63.987(a)	For each Group 1 storage tank for which the maximum true vapor pressure of total HAP at the storage temperature is < 76.6 kilopascals, you may reduce total organic HAP emissions by venting emissions through a closed vent system to a flare.	[G]§ 63.115(d)(2)(v) § 63.115(d)(3)(iii) § 63.2470(c)(1) § 63.983(b) [G]§ 63.983(b)(1) [G]§ 63.983(b)(2) [G]§ 63.983(b)(3) [G]§ 63.983(c)(1) § 63.983(c)(2) § 63.983(c)(3) § 63.983(d)(1) § 63.983(d)(1)(ii) § 63.987(c) § 63.997(b)	§ 63.2450(f)(2) § 63.2450(f)(2)(i) § 63.2450(f)(2)(ii) § 63.2470(c)(1) § 63.983(b) [G]§ 63.983(d)(2) § 63.987(c) § 63.998(a)(1)(ii) § 63.998(a)(1)(iii)(A) § 63.998(a)(1)(iii)(B) [G]§ 63.998(b)(1) [G]§ 63.998(b)(2) [G]§ 63.998(b)(3) [G]§ 63.998(b)(5)	§ 63.2450(f)(2)(ii) § 63.2450(q) § 63.2470(d) § 63.997(b)(1) § 63.997(c)(3) § 63.998(a)(1)(iii)(A) [G]§ 63.998(b)(3) [G]§ 63.999(a)(1) § 63.999(b)(5) § 63.999(c)(1) § 63.999(c)(2)(i) § 63.999(c)(3) § 63.999(c)(6) [G]§ 63.999(c)(6)(i)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.997(b)(1) § 63.997(c)(3)		§ 63.997(b)(1) § 63.997(c)(2) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii)	[G]§ 63.998(c)(1) [G]§ 63.998(d)(1) § 63.998(d)(3)(i) § 63.998(d)(3)(ii) § 63.998(d)(5)	§ 63.999(c)(6)(iv) [G]§ 63.999(d)(1) [G]§ 63.999(d)(2)
GRP-TNK-2M	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP1-MACT4F	EP	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2460(a) § 63.11(b) § 63.2450(b) § 63.2460(a)-Table 2.1.c § 63.2460(b) § 63.2460(c)(7) § 63.982(b) § 63.983(a)(1) § 63.983(a)(2) § 63.983(d)(1) § 63.983(d)(1)(i) [G]§ 63.983(d)(2) § 63.983(d)(3) § 63.987(a) § 63.997(b)(1) § 63.997(c)(3)	You must meet each emission limit in Table 2 to this subpart that applies to you, and you must meet each applicable requirement specified in §63.2460(b) and (c).	[G]§ 63.115(d)(2)(v) § 63.115(d)(3)(iii) § 63.2460(c)(2)(i) § 63.2460(c)(2)(ii) § 63.2460(c)(2)(vi) § 63.2460(c)(3) § 63.2460(c)(3)(i) § 63.2460(c)(4) § 63.2460(c)(6) § 63.983(b) [G]§ 63.983(b)(1) [G]§ 63.983(b)(2) [G]§ 63.983(b)(3) [G]§ 63.983(c)(1) § 63.983(c)(2) § 63.983(c)(3) § 63.983(d)(1) § 63.983(d)(1)(ii) § 63.987(c) § 63.997(b) § 63.997(b)(1) § 63.997(c)(2) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii)	§ 63.2450(f)(2) § 63.2450(f)(2)(i) § 63.2450(f)(2)(ii) § 63.2460(c)(3)(ii) § 63.2460(c)(6) § 63.2525(g) § 63.983(b) [G]§ 63.983(d)(2) § 63.987(c) § 63.998(a)(1)(ii) § 63.998(a)(1)(iii)(A) § 63.998(a)(1)(iii)(B) [G]§ 63.998(b)(1) [G]§ 63.998(b)(2) [G]§ 63.998(b)(3) [G]§ 63.998(b)(5) [G]§ 63.998(c)(1) [G]§ 63.998(d)(1) § 63.998(d)(3)(i) § 63.998(d)(3)(ii) § 63.998(d)(5)	§ 63.2450(f)(2)(ii) § 63.2450(q) § 63.2460(c)(3)(i) § 63.997(b)(1) § 63.997(c)(3) § 63.998(a)(1)(iii)(A) [G]§ 63.998(b)(3) [G]§ 63.999(a)(1) § 63.999(b)(5) § 63.999(c)(1) § 63.999(c)(2)(i) § 63.999(c)(3) § 63.999(c)(6) [G]§ 63.999(c)(6)(i) § 63.999(c)(6)(iv) [G]§ 63.999(d)(1) [G]§ 63.999(d)(2)
GRP1-VENT	EP	R5121-01	VOC	30 TAC Chapter	§ 115.127(a)(2)(A)	A vent gas stream having a	[G]§ 115.125	§ 115.126	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)
				115, Vent Gas Controls	[G]§ 115.122(a)(4) § 115.127(a)(2)	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.	§ 115.126(2)	§ 115.126(2) § 115.126(4)	
GRP2-TANK	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
GRP2-VENT	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
LS-50725	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
LS-50767	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LS-50770	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
LS-LD	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
LS-UNLD	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
LS-UNLD	EU	R5211-02	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
LS-UNLD	EU	63EEEE-	112(B)	40 CFR Part 63,	§ 63.2343(c)	For each transfer rack that	None	§ 63.2343(c)(3)	[G]§ 63.2343(c)(1)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		01	HAPS	Subpart EEEE		loads organic liquids but is not subject to control, comply with the recordkeeping and reporting provisions in §63.2343(c)(1)-(3).			[G]§ 63.2343(c)(2) § 63.2343(d)(3) § 63.2343(d)(4) § 63.2382(d)(2)(viii) [G]§ 63.2386(b) § 63.2386(c)(10)(i) § 63.2386(d)(3)(ii) § 63.2386(d)(4)(ii) § 63.2386(f)
LU-1	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
LU-1	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	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)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
LU-1	CD	63A-01	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LU-2	EU	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2480(a)-Table 6.1.a.ii § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) § 63.2435(a) § 63.2435(b) § 63.2435(b)(1) § 63.2435(b)(1)(i) § 63.2435(b)(1)(ii) § 63.2435(b)(2) § 63.2435(b)(3) § 63.2440(a) § 63.2440(b) § 63.2445(b) § 63.2445(d) § 63.2445(g) § 63.2445(g)(1) § 63.2445(g)(4) § 63.2445(h) § 63.2450 § 63.2450(a) § 63.2450(a)(2) § 63.2450(g)(7) § 63.2480(a) § 63.2480(b) § 63.2480(b)(3) § 63.2480(b)(5) § 63.2480(b)(6) § 63.2480(e) § 63.2480(e)(1) § 63.2480(e)(2)(ii) [G]§ 63.2480(e)(3) [G]§ 63.2480(e)(4) [G]§ 63.2480(e)(5) [G]§ 63.2480(e)(6) [G]§ 63.2480(e)(7) § 63.2480(f)(1) § 63.2480(f)(2)	For all equipment that is in organic HAP service and that is part of any MCPU, comply with the requirements of subpart H of this part and the requirements referenced therein, except as specified in §63.2480(b) and (d) through (f).	[G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) § 63.2480(b)(7) § 63.2480(e)(2)(ii) [G]§ 63.2480(e)(3) [G]§ 63.2480(e)(4) [G]§ 63.2480(e)(5)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f) § 63.2445(g)(7) § 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) § 63.2525(j) [G]§ 63.2525(p) [G]§ 63.2525(q) § 63.2525(t) § 63.2525(u)(1) § 63.2525(u)(2) § 63.2525(u)(3)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d) § 63.2445(c) § 63.2445(g)(7) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2450(m)(3) § 63.2515(a) § 63.2515(b)(1) § 63.2515(d) § 63.2520(a) § 63.2520(a)-Table 11.1 § 63.2520(a)-Table 11.2 § 63.2520(a)-Table 11.3 [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vi) § 63.2520(d)(2)(vii) [G]§ 63.2520(d)(4) § 63.2520(e) § 63.2520(e)(10) [G]§ 63.2520(e)(10)(i) § 63.2520(e)(10)(ii)(C) [G]§ 63.2520(e)(14) [G]§ 63.2520(e)(15) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5)(i)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.2480(f)(3) [G]§ 63.2535(k) § 63.2540				§ 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(5)(ii)(D) § 63.2520(e)(5)(iii)(C) § 63.2520(e)(5)(iii)(E) § 63.2520(e)(7) § 63.2520(e)(9)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a)	Standards: Agitators in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	§63.169(a)-(d)	[G]§ 63.180(d)	§ 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.162(h)	§§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).		§ 63.181(j)	
LU-2	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
LU-PROCESS	EU	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2490(a)-Table 10.b § 63.2490(a) [G]§ 63.2490(d)	For each heat exchange system, as defined in §63.101, comply with the requirements of §63.2490(d).	[G]§ 63.2490(d)	[G]§ 63.2525(r)	[G]§ 63.2520(e)(16)
LU-PROCESS	PRO	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(a)(2) [G]§ 63.2450(e)(4) § 63.2450(g)(7) § 63.2450(k)(8) § 63.2450(t) § 63.2450(u) [G]§ 63.2450(v) § 63.2460(c)(1)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d) § 63.2450(g)(6) § 63.2460(c)(2)(v)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) [G]§ 63.2525(p)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2460(c)(1) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) [G]§ 63.2520(e)(14) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i)

### 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)
									[G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)
LU-VS	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

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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 ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRP-TNK-1M	LS-50702, LS-50708, LS-50734, LS-50765, LS-50776, LS-50790	40 CFR Part 60, Subpart Kb	Unit storage capacity is greater than or equal to 19,800 gallons but less than 39,900 gallons and unit stores a liquid with a maximum true vapor pressure less than 2.2 psia.
GRP-TNK-1M	LS-50702, LS-50708, LS-50734, LS-50765, LS-50776, LS-50790	40 CFR Part 63, Subpart FFFF	The storage vessel is not considered storage tank as defined in 63.2550(i) of 40 CFR Part 63, Subpart FFFF because it stores organic liquids that contain organic HAP listed in section 112(b) of the Clean Air Act only as impurities.
GRP-TNK-1P	LS-50710, LS-50718, LS-50719	40 CFR Part 60, Subpart Kb	Unit is a Group 1 storage tank unit that is subject to both the MON and 40 CFR Part 60, therefore the requirements of the MON supersede requirements of 40 CFR Part 60.
GRP-TNK-2M	LS-50712, LS-50713	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 19,800 gallons.
GRP1-OR2-TANK	LS-50736, LS-50750, LS-50763	30 TAC Chapter 115, Storage of VOCs	Vessel does not store volatile organic compounds.
GRP1-OR2-TANK	LS-50736, LS-50750, LS-50763	40 CFR Part 60, Subpart Kb	Vessel does not store volatile organic liquids.
GRP1-OR2-TANK	LS-50736, LS-50750, LS-50763	40 CFR Part 63, Subpart FFFF	The storage vessel is not considered storage tank as defined in 63.2550(i) of 40 CFR Part 63, Subpart FFFF because it stores organic liquids that contain organic HAP listed in section 112(b) of the Clean Air Act only as impurities.
GRP1-VENT	LS-50559, LS-50585, LS-50587, LS-50589, LS-50591, LS-50606, LS-50607, LS-50625, LS-50626, LS-50633, LS-50775	40 CFR Part 63, Subpart FFFF	Vent is not an affected unit since it does not contain organic HAP listed in section 112(b) of the CAA or hydrogen halide and halogen HAP, as defined in §63.2550.
GRP2-OR2-TANK	LS-50730, LS-50740, LS-50755, LS-	30 TAC Chapter 115, Storage of VOCs	Vessel does not store volatile organic

### Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	50795		compounds.
GRP2-OR2-TANK	LS-50730, LS-50740, LS-50755, LS-50795	40 CFR Part 60, Subpart Kb	Vessel does not store volatile organic liquids.
GRP2-OR2-TANK	LS-50730, LS-50740, LS-50755, LS-50795	40 CFR Part 63, Subpart FFFF	Vessels stores liquids that do not contain HAP's.
GRP2-TANK	LS-50800, LS-50801, LS-50802, LS-50803, LS-50804, LS-50805, LS-50806, LS-50807, LS-50808, LS-50809, LS-50810, LS-50811, LS-50812, LS-50813, LS-50814, LS-50815, LS-50816, LS-50817, LS-50818, LS-50819, LS-50820, LS-50821, LS-50822, LS-50823, LS-50824, LS-50825, LS-50826, LS-50827, LS-50828, LS-50829	40 CFR Part 60, Subpart Kb	Unit storage capacity is greater than 39,900 gallons and unit stores a liquid with a maximum true vapor pressure less than 0.5 psia.
GRP2-TANK	LS-50800, LS-50801, LS-50802, LS-50803, LS-50804, LS-50805, LS-50806, LS-50807, LS-50808, LS-50809, LS-50810, LS-50811, LS-50812, LS-50813, LS-50814, LS-50815, LS-50816, LS-50817, LS-50818, LS-50819, LS-50820, LS-50821, LS-50822, LS-50823, LS-50824, LS-50825, LS-50826, LS-50827, LS-50828, LS-50829	40 CFR Part 63, Subpart FFFF	The storage vessel is not considered storage tank as defined in 63.2550(i) of 40 CFR Part 63, Subpart FFFF because it stores organic liquids that contain organic HAP listed in section 112(b) of the Clean Air Act only as impurities.
GRP2-VENT	LS-50600, LS-50602	40 CFR Part 63, Subpart FFFF	The group does not meet the definition of batch process vent in 63.2550(i) because the total uncontrolled HAP emissions are less than 200 lb/yr.

### Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
LS-50725	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 19,800 gallons.
LS-50725	N/A	40 CFR Part 63, Subpart FFFF	The storage vessel is not considered storage tank as defined in 63.2550(i) of 40 CFR Part 63, Subpart FFFF because it stores organic liquids that contain organic HAP listed in section 112(b) of the Clean Air Act only as impurities.
LS-50767	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 19,800 gallons
LS-50767	N/A	40 CFR Part 63, Subpart FFFF	The storage vessel is not considered storage tank as defined in 63.2550(i) of 40 CFR Part 63, Subpart FFFF because it stores organic liquids that contain organic HAP listed in section 112(b) of the Clean Air Act only as impurities.
LS-50770	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 19,800 gallons
LS-50770	N/A	40 CFR Part 63, Subpart FFFF	The storage vessel is not an affected source since it does not store liquids that contain organic HAP and/or hydrogen halide
LS-50771	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store volatile organic compounds.
LS-50771	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 19,800 gallons
LS-50771	N/A	40 CFR Part 63, Subpart FFFF	The storage vessel is not an affected source since it does not store liquids that contain organic HAP and/or hydrogen halide.
LS-DEGR	N/A	30 TAC Chapter 115, Degreasing Processes	Degreaser is cold type machine, solvent has vapor pressure under 0.6 psia at 100 deg. Fahrenheit, drain area is less than 16 square inches, and the waste solvent is disposed of in

### Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			closed containers.
LS-HCF	N/A	30 TAC Chapter 117, Subchapter B	Unit is not a magnesium chloride fluidized bed dryer, lime kiln or lightweight aggregate kiln.
LU-1	N/A	40 CFR Part 60, Subpart A	No NSPS Regulations apply to this facility.
LU-2	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not SOCM1 as defined in 60.489 and 115.10(41).
LU-2	N/A	40 CFR Part 60, Subpart VV	Facility is not SOCM1 since it does not produce any chemicals listed in 60.489.
LU-3	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel has a capacity that is less than 1,000 gallons.
LU-3	N/A	40 CFR Part 60, Subpart Kb	Capacity of storage vessel is less than 19,800 gallons.
LU-3	N/A	40 CFR Part 63, Subpart FFFF	The storage vessel is not an affected source since it does not store liquids that contain organic HAP and/or hydrogen halide
LU-PROCESS	N/A	30 TAC Chapter 115, Batch Processes	The facility is not a batch process operation as defined in 30 TAC 115.161 and the SIC code for the facility is 2851.
LU-PROCESS	N/A	30 TAC Chapter 115, Industrial Wastewater	Facility has SIC code 2851 and is therefore not an affected source facility.
LU-PROCESS	N/A	40 CFR Part 63, Subpart HHHHH	Facility is not an affected source under MACT HHHHH since it is also subject to MACT FFFF.
LU-VS	N/A	30 TAC Chapter 115, Batch Processes	The total VOC emissions from all stationary emission sources at the site are less than 25 tpy.

### Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
PRODLOAD1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The materials loaded are not volatile organic compounds.
PRODLOAD2	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The materials loaded are not volatile organic compounds.

**New Source Review Authorization References**

**New Source Review Authorization References ..... 31**

**New Source Review Authorization References by Emission Unit ..... 32**

**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.: 27131	Issuance Date: 11/06/2025
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.495	Version No./Date: 09/04/2000

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

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LS-50559	AGITATOR 50559	27131
LS-50560	FEED TANK #1 VENT	27131
LS-50565	FEED TANK #2 VENT	27131
LS-50585	PROCESS VENT 50585	27131
LS-50587	PROCESS VENT 50587	27131
LS-50589	PROCESS VENT 50589	27131
LS-50591	PROCESS VENT 50591	27131
LS-50600	PROCESS VENT 50600	27131
LS-50602	PROCESS VENT 50602	27131
LS-50606	PROCESS VENT 50606	27131
LS-50607	PROCESS VENT 50607	27131
LS-50610	REACTOR VENT	27131
LS-50625	PROCESS VENT 50625	27131
LS-50626	PROCESS VENT 50626	27131
LS-50633	PROCESS VENT 50633	27131
LS-50635	DRAIN TANK VENT	27131
LS-50702	STORAGE TANK 50702	27131
LS-50708	STORAGE TANK 50708	27131
LS-50710	STORAGE TANK 50710	27131
LS-50712	STORAGE TANK 50712	27131
LS-50713	STORAGE TANK 50713	27131

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LS-50718	STORAGE TANK 50718	27131
LS-50719	STORAGE TANK 50719	27131
LS-50725	STORAGE TANK 50725	27131
LS-50730	STORAGE TANK 50730	27131
LS-50734	STORAGE TANK 50734	27131, 106.472/09/04/2000
LS-50736	STORAGE TANK 50736	27131
LS-50740	STORAGE TANK 50740	27131
LS-50750	STORAGE TANK 50750	27131
LS-50755	STORAGE TANK 50755	27131
LS-50763	STORAGE TANK 50763	27131, 106.472/09/04/2000
LS-50765	STORAGE TANK 50765	27131, 106.472/09/04/2000
LS-50767	STORAGE TANK 50767	27131
LS-50770	X-405 SURFACTANT STORAGE TANK 50770	27131
LS-50771	SURFACTANT STORAGE TANK 50771	27131
LS-50775	STORAGE TANK 50775	27131
LS-50776	STORAGE TANK 50776	27131, 106.472/09/04/2000
LS-50790	PRODUCT STORAGE TANK 50790	27131
LS-50795	STORAGE TANK 50795	27131, 106.472/09/04/2000
LS-50800	STORAGE TANK 50800	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]

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

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LS-50801	PRODUCT STORAGE TANK 50801	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50802	PRODUCT STORAGE TANK 50802	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50803	PRODUCT STORAGE TANK 50803	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50804	PRODUCT STORAGE TANK 50804	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50805	PRODUCT STORAGE TANK 50805	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50806	PRODUCT STORAGE TANK 50806	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50807	PRODUCT STORAGE TANK 50807	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50808	PRODUCT STORAGE TANK 50808	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50809	PRODUCT STORAGE TANK 50809	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]

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

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LS-50810	PRODUCT STORAGE TANK 50810	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50811	PRODUCT STORAGE TANK 50811	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50812	PRODUCT STORAGE TANK 50812	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50813	PRODUCT STORAGE TANK 50813	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50814	PRODUCT STORAGE TANK 50814	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50815	PRODUCT STORAGE TANK 50815	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50816	PRODUCT STORAGE TANK 50816	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50817	PRODUCT STORAGE TANK 50817	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50818	PRODUCT STORAGE TANK 50818	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]

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

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LS-50819	PRODUCT STORAGE TANK 50819	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50820	PRODUCT STORAGE TANK 50820	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50821	PRODUCT STORAGE TANK 50821	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50822	PRODUCT STORAGE TANK 50822	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50823	PRODUCT STORAGE TANK 50823	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50824	PRODUCT STORAGE TANK 50824	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50825	PRODUCT STORAGE TANK 50825	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50826	PRODUCT STORAGE TANK 50826	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50827	PRODUCT STORAGE TANK 50827	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]

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

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LS-50828	PRODUCT STORAGE TANK 50828	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-50829	PRODUCT STORAGE TANK 50829	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-DEGR	DEGREASER AT THE LONESTAR FACILITY	27131
LS-HCF	HEAT CLEANING FURNACE	106.495/09/04/2000 [77200]
LS-LD	LOADING RACK	27131, 106.261/11/01/2003 [145135], 106.262/11/01/2003 [145135], 106.478/09/04/2000 [145135]
LS-UNLD	UNLOADING RACK	27131
LU-1	LONESTAR FLARE	27131, 106.262/11/01/2003
LU-2	LONESTAR FUGITIVES	27131, 106.262/11/01/2003 [172239]
LU-3	T-BHP TANK	27131
LU-PROCESS	LONESTAR PROCESS	27131, 106.263/11/01/2001
LU-VS	BATCH VENTS	27131
PRODLOAD1	EMULSION PRODUCT LOADING BY TANK TRUCK	27131
PRODLOAD2	EMULSION PRODUCT RAILCAR LOADING	27131

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

**Appendix A**

**Acronym List ..... 39**

## Acronym List

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

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