

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
E. I. du Pont de Nemours and Company

AUTHORIZING THE OPERATION OF  
E. I. du Pont de Nemours and Company La Porte Plant  
Lannate / API Manufacturing Unit  
Industrial Organic Chemicals

LOCATED AT  
Harris County, Texas  
Latitude 29° 42' 00" Longitude 95° 02' 12"  
Regulated Entity Number: RN100225085

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: 01906 Issuance Date: \_\_\_\_\_

---

For the Commission

## Table of Contents

<b>Section</b>	<b>Page</b>
General Terms and Conditions .....	1
Special Terms and Conditions .....	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting .....	1
Additional Monitoring Requirements .....	9
New Source Review Authorization Requirements .....	9
Compliance Requirements.....	10
Risk Management Plan .....	12
Protection of Stratospheric Ozone.....	12
Alternative Requirements .....	13
Permit Location.....	13
Permit Shield (30 TAC § 122.148).....	13
Attachments .....	15
Applicable Requirements Summary .....	16
Additional Monitoring Requirements .....	40
Permit Shield.....	44
New Source Review Authorization References.....	50
Alternative Requirement.....	59
Appendix A .....	66
Acronym List .....	67

## **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, Subparts MMM, EEEE, and DDDDD, as identified in the attached Applicable Requirements Summary table, are subject to 30 TAC Chapter 113, Subchapter C, §113.700, §113.880, and §113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.302 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
  - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
  - (i) Title 30 TAC § 101.352 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
  - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
  - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)

- (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
  - (vi) Title 30 TAC § 101.359 (relating to Reporting)
  - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
  - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- I. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 6 (Highly Reactive Volatile Organic Compound Emissions Cap and Trade Program) requirements:
- (i) Title 30 TAC § 101.393 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.394 (relating to Allocation of Allowances)
  - (iii) Title 30 TAC § 101.396 (relating to Allowance Deductions)
  - (iv) Title 30 TAC § 101.399 (relating to Allowance Banking and Trading)
  - (v) Title 30 TAC § 101.400 (relating to Reporting)
  - (vi) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit

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

- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<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. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)

- C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

### **Additional Monitoring Requirements**

6. 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**

7. 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
8. 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.
  9. 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).
  10. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
    - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
    - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
    - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.
    - D. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

### **Compliance Requirements**

11. 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.
12. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

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

- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
  - (i) Title 30 TAC Chapter 115
  - (ii) Title 30 TAC Chapter 117
  - (iii) If applicable, offsets for Title 30 TAC Chapter 116
  - (iv) Temporarily exceed state NSR permit allowables
  
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
  - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

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

### **Protection of Stratospheric Ozone**

- 16. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

- A. 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 A for controlling the production, transformation, destruction, export or import of a controlled (ozone-depleting) substance or product as specified in 40 CFR § 82.1 - § 82.13 and the applicable Part 82 Appendices.
- C. The permit holder shall comply with 40 CFR Part 82, Subpart A, § 82.13 related to recordkeeping and reporting requirements for the production and consumption of ozone depleting substances.

### **Alternative Requirements**

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

### **Permit Location**

- 18. 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)**

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

protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Alternative Requirement**

## **Applicable Requirements Summary**

**Unit Summary .....17**

**Applicable Requirements Summary ..... 22**

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
EC-03L	Loading/Unloading Operations	N/A	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
EC-06W	Emission Points/ Stationary Vents/ Process Vents	N/A	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
EC-06W	Emission Points/ Stationary Vents/ Process Vents	N/A	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
GRP-LOAD1	Loading/Unloading Operations	SF-05L, SF-05L2	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRP-LOAD1	Loading/Unloading Operations	SF-05L, SF-05L2	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRP-LOAD2	Loading/Unloading Operations	SF-05L1, SF-05L1A, SF-05L5A, SF-05L5C	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRP-LOAD2	Loading/Unloading Operations	SF-05L1, SF-05L1A, SF-05L5A, SF-05L5C	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRP-TANKS1	Wastewater Units	EC-01T, EC-02T, EC-30T, EC-31T, EC-34T	115B-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRP-TANKS1	Storage Tanks/Vessels	EC-01T, EC-02T, EC-30T, EC-31T, EC-34T	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
GRP-TANKS2	Storage Tanks/Vessels	SF-04P1, SF-04P2	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TANKS2	Storage Tanks/Vessels	SF-04P1, SF-04P2	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
GRP-TANKS3	Storage Tanks/Vessels	SF-04P1A, SF-04P2A	115B-1	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
GRP-TANKS3	Storage Tanks/Vessels	SF-04P1A, SF-04P2A	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
GRP-TANKS5	Storage Tanks/Vessels	EC-TCO, L-22T, LN-04T, LN-05T, LN-08T, LN-10T, LN-11T	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
GRP-VENTS1	Emission Points/ Stationary Vents/ Process Vents	7013RX, 7014RX, L-23P, L-24P, L-26P, SF-02P4B1, SF-02P4B2, SF-02P4B3, SF-03P, SF-03P1A, SF-03P4, SF-05T, SF-10T	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS1	Emission Points/ Stationary Vents/ Process Vents	7013RX, 7014RX, L-23P, L-24P, L-26P, SF-02P4B1, SF-02P4B2, SF-02P4B3, SF-03P, SF-03P1A, SF-03P4, SF-05T, SF-10T	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
GRP-VENTS2	Emission Points/ Stationary Vents/ Process Vents	7015RX, 7022RX, 7023RX, CSE-STR, L-14P, L-15P, L-16P, L-3P, L-5P, L-6P, L-8P, L-9P, LN-02T, LN-05C, LN-24A, LN-24B, SF-02P2A, SF-02P2B, SF-03PMRT	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS2	Emission Points/ Stationary Vents/ Process Vents	7015RX, 7022RX, 7023RX, CSE-STR, L-14P, L-15P, L-16P,	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		L-3P, L-5P, L-6P, L-8P, L-9P, LN-02T, LN-05C, LN-24A, LN-24B, SF-02P2A, SF-02P2B, SF-03PMRT			
GRP-VENTS3	Emission Points/ Stationary Vents/ Process Vents	L-41P, L-42T, L-43P, L-50P, L-62P, L-67P, L-68T, LN-01T, SF-02P4B	115B-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-VENTS3	Emission Points/ Stationary Vents/ Process Vents	L-41P, L-42T, L-43P, L-50P, L-62P, L-67P, L-68T, LN-01T, SF-02P4B	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
L-20P	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-01H	Process Heaters/ Furnaces	N/A	117B-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
LN-01H	Process Heaters/ Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
LN-07T1	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-13T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-16T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-16T	Storage Tanks/Vessels	N/A	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
LN-17T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-18T	Storage Tanks/Vessels	N/A	115B-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>
LN-19T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-19T	Storage Tanks/Vessels	N/A	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
LN-21F	Fugitive Emission Units	N/A	63MMM-ALL	40 CFR Part 63, Subpart MMM	No changing attributes.
LN-22T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-25T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LN-DEGRSR	Solvent Degreasing Machines	N/A	115E-1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
SF-02P14B	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
SF-02P14B	Storage Tanks/Vessels	N/A	63MMM-1	40 CFR Part 63, Subpart MMM	No changing attributes.
SF-02T1	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
SF-05L2A	Loading/Unloading Operations	N/A	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
SF-05L5B	Loading/Unloading Operations	N/A	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
SF-05L5B	Loading/Unloading Operations	N/A	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
SF-05L5D	Loading/Unloading Operations	N/A	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
SF-05L5D	Loading/Unloading Operations	N/A	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
SF-05LWW	Loading/Unloading Operations	N/A	115C-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
SF-09T	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EC-03L	EU	115C-1	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
EC-06W	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(A)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
EC-06W	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(a)-Table 2 § 63.132(a)(2) [G]§ 63.132(a)(2)(i) § 63.132(a)(2)(ii) [G]§ 63.132(f) § 63.133(a) § 63.133(a)(2) § 63.133(a)(2)(i) § 63.133(a)-Table 10 [G]§ 63.133(b) § 63.133(f) § 63.133(h) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j)	The owner or operator of an affected wastewater stream shall reduce the concentration of total Table 9 compounds, from 40 CFR 63 Subpart G, to less than 50 ppmv (or other option).	§ 63.132(a)(2)(iii) [G]§ 63.1363(a)(10) § 63.139(c)(1) § 63.139(c)(1)(i) § 63.139(d)(1) § 63.139(d)(2)(i) § 63.139(d)(2)(vi) § 63.139(e) § 63.143(a) § 63.143(e) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.145(a) § 63.145(a)(2) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.145(a)(5) [G]§ 63.145(a)(6)	§ 63.132(a)(2)(iv) § 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7) § 63.143(f) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(6) § 63.147(d)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(m) § 63.1368(n) § 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(b)(7) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(B) § 63.146(b)(7)(ii)(C) § 63.146(c) § 63.146(e)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.1360(k) § 63.1362(a) § 63.1362(d) § 63.139(b) § 63.139(c)(1) § 63.139(c)(1)(i) § 63.139(c)(2) § 63.139(d)(1) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a) § 63.145(i)(9) § 63.172(a) [G]§ 63.172(h) § 63.172(i)		§ 63.145(i)(1) § 63.145(i)(2) § 63.145(i)(3) § 63.145(i)(4) § 63.145(i)(5) [G]§ 63.145(i)(6) § 63.145(i)(7) § 63.145(i)(8) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.147(d)(3) [G]§ 63.147(d)(3)(ii) [G]§ 63.152(a) § 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.146(e)(1) § 63.146(g) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(2)(iv) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-LOAD1	EU	115C-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(3)(B) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	General loading - 90% overall control option in the covered non-attainment counties. As an alternative operations may elect to achieve a 90% overall control of emissions at the account.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(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)
							§ 115.215(4) § 115.215(9)		
GRP-LOAD1	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2343(c) § 63.2350(a) § 63.2398-Table 12	For each transfer rack subject to this subpart that loads organic liquids but is not subject to control, based on criteria in Table 2 to this subpart, the owner/operator must comply with the requirements specified in §60.2343(c)(1)-(3).	None	§ 63.2390(a) § 63.2390(d) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2382(a) § 63.2382(b)(1) [G]§ 63.2382(d) § 63.2386(c)(1) [G]§ 63.2386(c)(10) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) [G]§ 63.2386(d) § 63.2386(e)
GRP-LOAD2	EU	115C-1	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
GRP-LOAD2	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2343(c) § 63.2350(a) § 63.2398-Table 12	For each transfer rack subject to this subpart that loads organic liquids but is not subject to control, based on criteria in Table 2 to this subpart, the owner/operator must comply with the requirements specified in §60.2343(c)(1)-(3).	None	§ 63.2390(a) § 63.2390(d) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2382(a) § 63.2382(b)(1) [G]§ 63.2382(d) § 63.2386(c)(1) [G]§ 63.2386(c)(10) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) [G]§ 63.2386(d) § 63.2386(e)
GRP-TANKS1	EU	115B-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A)	The wastewater component shall meet the specified control	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A)	[G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1)	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)
					§ 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	requirements.	§ 115.144(5) § 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(2) § 115.146(3) § 115.146(4)	
GRP-TANKS <sub>1</sub>	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	[G]§ 63.1362(d) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(a)(2)(i) § 63.133(b)(1)(ii) § 63.133(f) § 63.133(h) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) [G]§ 63.1360(f) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) § 63.1362(a)-Table 2 § 63.139(b) § 63.139(c)(1) § 63.139(c)(1)(i) § 63.139(c)(2) § 63.139(d)(1) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	The owner or operator of each affected wastewater source shall comply with the requirements of §63.132 through §63.147 of 40 CFR Part 63, Subpart G.	§ 63.133(f) § 63.133(g) § 63.133(g)(3) § 63.1363(a)(10) § 63.139(d)(1) § 63.139(d)(2)(vi) § 63.139(e) § 63.143(a) § 63.143(e) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.145(a) § 63.145(a)(2) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.145(a)(5) [G]§ 63.145(a)(6) § 63.145(i)(1) § 63.145(i)(2) § 63.145(i)(3) § 63.145(i)(4) § 63.145(i)(5) [G]§ 63.145(i)(6) § 63.145(i)(7) § 63.145(i)(8) [G]§ 63.172(f)(1)	§ 63.133(h) § 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7) § 63.143(f) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(6) § 63.147(d) § 63.147(d)(3) [G]§ 63.147(d)(3)(ii) [G]§ 63.152(a) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(m) § 63.1368(n) § 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(b)(7) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(B) § 63.146(b)(7)(ii)(C) § 63.146(c) § 63.146(e) § 63.146(e)(1) § 63.146(g) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j)

## 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)
					§ 63.145(i)(9) § 63.172(a) [G]§ 63.172(h) § 63.172(i)		[G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	[G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	[G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(2)(iv) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP-TANKS <sub>2</sub>	EU	115B-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
GRP-TANKS <sub>2</sub>	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(c)(1) [G]§ 63.1360(e) [G]§ 63.1360(f) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) § 63.1362(a)	Group 2 storage vessels at an existing site with a storage capacity of less than 75 m <sup>3</sup> are exempt from the emission limits that pertain to Group 1 storage vessels.	None	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(n)

## 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-TANKS <sub>3</sub>	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	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.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
GRP-TANKS <sub>3</sub>	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(c)(1) [G]§ 63.1360(e) [G]§ 63.1360(f) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) § 63.1362(a)	Group 2 storage vessels at an existing site with a storage capacity of less than 75 m <sup>3</sup> are exempt from the emission limits that pertain to Group 1 storage vessels.	None	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(n)
GRP-TANKS <sub>5</sub>	EU	63MMM-1	112(B) HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(c)(2) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) [G]§ 63.1360(f) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a)	The owner or operator of a Group 1 storage vessel at an existing affected source shall equip the affected storage vessel with a closed vent system and a control device that reduces organic HAP emissions by 95% by weight or greater.	§ 63.1362(b)(1) § 63.1362(j)(1) § 63.1362(j)(2) [G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(d) § 63.1366(a) § 63.1366(b)(1)(vi)	§ 63.1362(j)(1) § 63.1362(j)(2) [G]§ 63.1366(h)(6) [G]§ 63.1366(h)(7) § 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)

## 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)
					§ 63.1362(a)-Table 2 § 63.1362(c) § 63.1362(c)(2)(iv) § 63.1362(c)(2)(iv)(A) § 63.1362(c)(5) § 63.1362(j) § 63.1362(j)-Table 3			[G]§ 63.1367(b)(6) § 63.1367(b)(7) § 63.1367(f)(1) § 63.1367(f)(2)	
GRP-VENTS <sub>1</sub>	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(A)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
GRP-VENTS <sub>1</sub>	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(2)(ii)(A) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b) § 63.1362(b)(2)	Uncontrolled organic HAP emissions from a process vent shall be reduced by 98 percent by weight or greater if the flow-weighted average flowrate for the vent as calculated using Equation 1 of this subpart is less than or equal to the flowrate calculated using Equation 2 of this subpart.	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(vii) [G]§ 63.1366(b)(1)(xiii) § 63.1366(h)(9)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)
GRP-VENTS <sub>1</sub>	EU	63MMM-1	HCL AND CL <sub>2</sub>	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(3)(ii) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h)	HCl and Cl <sub>2</sub> emissions, including HCl generated from combustion of halogenated process vent emissions, from the sum of all process vents	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(ii) [G]§ 63.1366(b)(1)(xiii)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g)

## 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]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b)	within a process shall be reduced by 94 percent or greater or to outlet concentrations less than or equal to 20 ppmv.		§ 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	[G]§ 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)
GRP-VENTS <sub>2</sub>	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(A)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
GRP-VENTS <sub>2</sub>	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(2)(ii)(A) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b)(2) [G]§ 63.1362(b)	Uncontrolled organic HAP emissions from a process vent shall be reduced by 98 percent by weight or greater if the flow-weighted average flowrate for the vent as calculated using Equation 1 of this subpart is less than or equal to the flowrate calculated using Equation 2 of this subpart.	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(vii) [G]§ 63.1366(b)(1)(xiii) § 63.1366(h)(9)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) § 63.1368(e) § 63.1368(f) § 63.1368(g) § 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)
GRP-VENTS <sub>2</sub>	EU	63MMM-1	HCL AND CL <sub>2</sub>	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(3)(ii) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i)	HCl and Cl <sub>2</sub> emissions, including HCl generated from combustion of halogenated process vent emissions, from the sum of all process vents within a process shall be	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(ii) [G]§ 63.1366(b)(1)(xiii)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h)

## 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]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2	reduced by 94 percent or greater or to outlet concentrations less than or equal to 20 ppmv.		[G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(i) § 63.1368(m) § 63.1368(n)
GRP-VENTS3	EP	115B-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(A)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None
GRP-VENTS3	EU	63MMM-1	112(B) HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(2)(ii)(A) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b) § 63.1362(b)(2)	Uncontrolled organic HAP emissions from a process vent shall be reduced by 98 percent by weight or greater if the flow-weighted average flowrate for the vent as calculated using Equation 1 of this subpart is less than or equal to the flowrate calculated using Equation 2 of this subpart.	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(vii) [G]§ 63.1366(b)(1)(xiii) § 63.1366(h)(9)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)
GRP-VENTS3	EU	63MMM-1	HCL AND CL2	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(3)(ii) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k)	HCl and Cl <sub>2</sub> emissions, including HCl generated from combustion of halogenated process vent emissions, from the sum of all process vents within a process shall be reduced by 94 percent or greater or to outlet	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(ii) [G]§ 63.1366(b)(1)(xiii)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m)

## 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)
					§ 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b)	concentrations less than or equal to 20 ppmv.			§ 63.1368(n)
L-20P	EU	115B-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
LN-01H	EU	117B-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
LN-01H	EU	117B-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010

## 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)
							§ 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)		[G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
LN-01H	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.2 § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7500(f) § 63.7505(a) § 63.7565-Table 10	Boilers in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 MMBtu/hr and less than 10 MMBtu/hr must complete a tune-up every 2 years as specified in §63.7540.	§ 63.7515(d) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(11) § 63.7540(a)(13) § 63.7540(d)	[G]§ 63.7555(a) § 63.7555(h) § 63.7555(i) § 63.7555(j) [G]§ 63.7560	§ 63.7545(a) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv)
LN-07T1	EU	115B-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	§ 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						subsection (a)(1) of this paragraph for crude oil and condensate.			
LN-13T	EU	115B-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)(6)(A) § 115.118(a)(7)	None
LN-16T	EU	115B-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
LN-16T	EU	63MMM-1	112(B) HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(2)(ii)(A) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k)	Uncontrolled organic HAP emissions from a process vent shall be reduced by 98 percent by weight or greater if the flow-weighted average flowrate for the vent as calculated using Equation 1 of this	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(vii) [G]§ 63.1366(b)(1)(xiii) § 63.1366(h)(9)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m)

## 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)
					§ 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b) § 63.1362(b)(2)	subpart is less than or equal to the flowrate calculated using Equation 2 of this subpart.			§ 63.1368(n)
LN-16T	EU	63MMM-1	HCL AND CL2	40 CFR Part 63, Subpart MMM	§ 63.1362(b)(3)(ii) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(b)	HCl and Cl <sub>2</sub> emissions, including HCl generated from combustion of halogenated process vent emissions, from the sum of all process vents within a process shall be reduced by 94 percent or greater or to outlet concentrations less than or equal to 20 ppmv.	[G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(c) § 63.1366(a) § 63.1366(b)(1)(ii) [G]§ 63.1366(b)(1)(xiii)	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)
LN-17T	EU	115B-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)(6)(A) § 115.118(a)(7)	None
LN-18T	EU	115B-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)(6)(A) § 115.118(a)(7)	None
LN-19T	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 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)
						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.			
LN-19T	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(c)(1) [G]§ 63.1360(e) [G]§ 63.1360(f) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) § 63.1362(a)	Group 2 storage vessels at an existing site with a storage capacity of less than 75 m3 are exempt from the emission limits that pertain to Group 1 storage vessels.	None	§ 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(n)
LN-21F	EU	63MMM-ALL	112(B) HAPS	40 CFR Part 63, Subpart MMM	§ 63.1363(a)(1) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart MMM	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart MMM	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart MMM	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart MMM	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart MMM
LN-22T	EU	115B-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)(6)(A) § 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)
LN-25T	EU	115B-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
LN-DEGRSR	EU	115E-1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1)	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
SF-02P14B	EU	115B-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
SF-02P14B	EU	63MMM-1	HAPS	40 CFR Part 63, Subpart MMM	§ 63.1362(c)(2) § 63.1360(a) § 63.1360(c) [G]§ 63.1360(e) [G]§ 63.1360(f) § 63.1360(g) [G]§ 63.1360(h) [G]§ 63.1360(i) [G]§ 63.1360(j) [G]§ 63.1360(k) § 63.1362(a) § 63.1362(a)-Table 2 § 63.1362(c) § 63.1362(c)(2)(iv) § 63.1362(c)(2)(iv)(A)	The owner or operator of a Group 1 storage vessel at an existing affected source shall equip the affected storage vessel with a closed vent system and a control device that reduces organic HAP emissions by 95% by weight or greater.	§ 63.1362(b)(1) § 63.1362(j)(1) § 63.1362(j)(2) [G]§ 63.1365(a) [G]§ 63.1365(b) [G]§ 63.1365(d) § 63.1366(a) § 63.1366(b)(1)(vii)	§ 63.1362(j)(1) § 63.1362(j)(2) [G]§ 63.1366(h)(6) [G]§ 63.1366(h)(7) § 63.1367(a) § 63.1367(a)(1) § 63.1367(a)(2) [G]§ 63.1367(a)(3) § 63.1367(a)(5) § 63.1367(b)(1) § 63.1367(b)(10) [G]§ 63.1367(b)(6) § 63.1367(b)(7) § 63.1367(f)(1) § 63.1367(f)(2)	§ 63.1368(a) § 63.1368(b) § 63.1368(c) [G]§ 63.1368(e) [G]§ 63.1368(f) [G]§ 63.1368(g) [G]§ 63.1368(h) § 63.1368(i) § 63.1368(m) § 63.1368(n)

## 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)
					§ 63.1362(c)(5) § 63.1362(j) § 63.1362(j)-Table 3				
SF-02T1	EU	115B-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)(6)(A) § 115.118(a)(7)	None
SF-05L2A	EU	115C-1	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
SF-05L5B	EU	115C-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(1) § 115.212(a)(1)(A) § 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) § 115.212(a)(3)(E) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	At operations other than gasoline terminals, gasoline bulk plants, and marine terminals, vapors of VOC with a true vapor pressure of 0.5 psia or greater, must be controlled by one of the following methods.	§ 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) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(i)	§ 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(i) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	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)
SF-05L5B	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2343(c) § 63.2350(a) § 63.2398-Table 12	For each transfer rack subject to this subpart that loads organic liquids but is not subject to control, based on criteria in Table 2 to this subpart, the owner/operator must comply with the requirements specified in §60.2343(c)(1)-(3).	None	§ 63.2390(a) § 63.2390(d) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2382(a) § 63.2382(b)(1) [G]§ 63.2382(d) § 63.2386(c)(1) [G]§ 63.2386(c)(10) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) [G]§ 63.2386(d) § 63.2386(e)
SF-05L5D	EU	115C-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(1) § 115.212(a)(1)(A) § 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)(E) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	At operations other than gasoline terminals, gasoline bulk plants, and marine terminals, vapors of VOC with a true vapor pressure of 0.5 psia or greater, must be controlled by one of the following methods.	§ 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) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(i)	§ 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(i) § 115.216(1)(A)(ii) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None
SF-05L5D	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2343(c) § 63.2350(a) § 63.2398-Table 12	For each transfer rack subject to this subpart that loads organic liquids but is not subject to control, based on criteria in Table 2 to this subpart, the owner/operator must comply with the requirements specified in §60.2343(c)(1)-(3).	None	§ 63.2390(a) § 63.2390(d) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2382(a) § 63.2382(b)(1) [G]§ 63.2382(d) § 63.2386(c)(1) [G]§ 63.2386(c)(10) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) [G]§ 63.2386(d) § 63.2386(e)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SF-05LWW	EU	115C-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
SF-09T	EU	115B-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

**Additional Monitoring Requirements**

**Periodic Monitoring Summary..... 41**

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID Nos.: GRP-TANKS3, LN-19T	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.112(e)(1)
<b>Monitoring Information</b>	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID Nos.: GRP-TANKS3, LN-19T	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B-1
Pollutant: VOC	Main Standard: § 115.112(e)(1)
<b>Monitoring Information</b>	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Keep a record of tank construction specifications.	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: LN-DEGRSR	
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.: 115E-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 considered and 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**

**Permit Shield ..... 45**

## 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		
GRP-INCIN	LN-02C, LN-50C1	30 TAC Chapter 117, Subchapter B	Incinerator has a maximum rated capacity less than 40 MMBtu/hr.
GRP-INCIN	LN-02C, LN-50C1	40 CFR Part 60, Subpart E	Incinerator does not burn solid waste.
GRP-TANKS2	SF-04P1, SF-04P2	40 CFR Part 60, Subpart Kb	Storage tank was constructed prior to and not modified/reconstructed after 07/23/1984.
GRP-TANKS2	SF-04P1, SF-04P2	40 CFR Part 63, Subpart EEEE	Tank and piping system are part of an affected source under 40 CFR 63 Subpart MMM.
GRP-TANKS3	SF-04P1A, SF-04P2A	40 CFR Part 60, Subpart Kb	Storage tank was constructed prior to and not modified/reconstructed after 07/23/1984.
GRP-TANKS3	SF-04P1A, SF-04P2A	40 CFR Part 63, Subpart EEEE	Tank and piping system are part of an affected source under 40 CFR 63 Subpart MMM.
GRP-TANKS4	L-12T, L-13T, L-19T, L-57T, L-61T, LN-09T, SF-03T, SF-04T	30 TAC Chapter 115, Storage of VOCs	Storage tank does not store a VOC.
GRP-TANKS4	L-12T, L-13T, L-19T, L-57T, L-61T, LN-09T, SF-03T, SF-04T	40 CFR Part 60, Subpart Kb	Storage tank does not store a VOL.
GRP-TANKS4	L-12T, L-13T, L-19T, L-57T, L-61T, LN-09T, SF-03T, SF-04T	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.

## 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		
GRP-TANKS5	EC-TCO, L-22T, LN-04T, LN-05T, LN-08T, LN-10T, LN-11T	30 TAC Chapter 115, Storage of VOCs	Storage tank does not store a VOC.
GRP-TANKS5	EC-TCO, L-22T, LN-04T, LN-05T, LN-08T, LN-10T, LN-11T	40 CFR Part 60, Subpart Kb	Storage tank was constructed prior to and not modified/reconstructed after 07/23/1984.
GRP-TANKS5	EC-TCO, L-22T, LN-04T, LN-05T, LN-08T, LN-10T, LN-11T	40 CFR Part 63, Subpart EEEE	Storage tank and piping system are part of an affected source under 40 CFR 63 Subpart MMM.
GRP-UNLOAD1	CL2-T/C, L-16L, L-46L, L-54L, L-56UL, L-64UL, LN-12L1, LN-12L2, LN-12L3, MESH-B/D, MMF-B/D	30 TAC Chapter 115, Loading and Unloading of VOC	Unloading operation does not contain a VOC.
GRP-UNLOAD1	CL2-T/C, L-16L, L-46L, L-54L, L-56UL, L-64UL, LN-12L1, LN-12L2, LN-12L3, MESH-B/D, MMF-B/D	40 CFR Part 63, Subpart EEEE	Unloading operation does not contain organic HAPs.
GRP-UNLOAD1	CL2-T/C, L-16L, L-46L, L-54L, L-56UL, L-64UL, LN-12L1, LN-12L2, LN-12L3, MESH-B/D, MMF-B/D	40 CFR Part 63, Subpart MMM	Unloading operation is not an affected source.

## 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		
GRP-VENTS2	7015RX, 7022RX, 7023RX, CSE-STR, L-14P, L-15P, L-16P, L-3P, L-5P, L-6P, L-8P, L-9P, LN-02T, LN-05C, LN-24A, LN-24B, SF-02P2A, SF-02P2B, SF-03PMRT	40 CFR Part 60, Subpart RRR	Reactor does not produce any of the chemicals listed in §60.707 as a product, co-product, by-product, or intermediate.
L-17T	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
L-17T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
L-17T	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.
L-20P	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
L-20P	N/A	40 CFR Part 63, Subpart MMM	Storage tank is not an affected source.
LN-01H	N/A	40 CFR Part 63, Subpart MMM	Process heater does not process, use, or produce HAPs.
LN-01Z	N/A	40 CFR Part 63, Subpart Q	Cooling tower has not operated with chromium-based water treatment chemicals after 09/08/1994.
LN-07T1	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed prior to and not modified/reconstructed after 07/23/1984.
LN-07T1	N/A	40 CFR Part 63, Subpart EEEE	Storage tank does not store organic liquids.
LN-07T1	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.

## 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		
LN-13T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed prior to and not modified/reconstructed after 07/23/1984.
LN-13T	N/A	40 CFR Part 63, Subpart EEEE	Storage tank does not store organic liquids.
LN-13T	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.
LN-16T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed prior to and not modified/reconstructed after 07/23/1984.
LN-17T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater than or equal to 151 m3 storing a liquid with a maximum TVP less than 3.5 kPa.
LN-17T	N/A	40 CFR Part 63, Subpart MMM	Storage tank is not an affected source.
LN-18T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater than or equal to 151 m3 storing a liquid with a maximum TVP less than 3.5 kPa.
LN-18T	N/A	40 CFR Part 63, Subpart MMM	Storage tank is not an affected source.
LN-19T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed prior to and not modified/reconstructed after 07/23/1984.
LN-19T	N/A	40 CFR Part 63, Subpart EEEE	Storage tank and piping system are part of an affected source under 40 CFR 63 Subpart MMM.
LN-21F	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Site is not a petroleum refinery, a SOCFMI process, or a natural gas/gasoline processing operation.
LN-21F	N/A	40 CFR Part 60, Subpart VV	Site is not a SOCFMI process and does not produce any chemicals listed in §60.489.

## 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		
LN-21F	N/A	40 CFR Part 63, Subpart EEEE	Fugitive equipment is part of an affected source under 40 CFR 63 Subpart MMM.
LN-22T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed prior to and not modified/reconstructed after 07/23/1984.
LN-22T	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.
LN-25T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
SF-02P14B	N/A	40 CFR Part 63, Subpart EEEE	Storage tank and piping system are part of an affected source under 40 CFR 63 Subpart MMM.
SF-02P6	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream does not contain a VOC.
SF-02P6	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.
SF-02P6A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream does not contain a VOC.
SF-02P6A	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.
SF-02T1	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed prior to and not modified/reconstructed after 07/23/1984.
SF-02T1	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.
SF-09T	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
SF-09T	N/A	40 CFR Part 63, Subpart MMM	Storage tank does not process, use, or produce HAPs.

**New Source Review Authorization References**

**New Source Review Authorization References .....51**

**New Source Review Authorization References by Emission Unit..... 52**

## 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.: 106293	Issuance Date: 11/07/2012
Authorization No.: 1834	Issuance Date: 01/12/2015
<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: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 8	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 07/20/1992
Number: 61	Version No./Date: 07/20/1992
Number: 68	Version No./Date: 07/20/1992
Number: 86	Version No./Date: 07/20/1992
Number: 118	Version No./Date: 07/20/1992
Number: 118	Version No./Date: 06/07/1996

### 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
7013RX	REACTOR	1834
7014RX	REACTOR	1834
7015RX	REACTOR	1834
7022RX	REACTOR	1834
7023RX	REACTOR	1834
CL2-T/C	CHLORINE UNLOADING	1834
CSE-STR	CONTINUOUS STRIPPING EXTRACTOR	1834
EC-01T	WASTEWATER STORAGE TANK - EAST	1834
EC-02T	WASTEWATER STORAGE TANK - WEST	1834
EC-03L	WASTE LOADING	1834
EC-06W	TC STEAM STRIPPER	1834, 106.118/06/07/1996, 61/07/20/1992, 68/07/20/1992
EC-30T	TOXIC WASTE STORAGE TANK	1834
EC-31T	RAINWATER TANK	1834
EC-34T	WASTEWATER STORAGE TANK - NORTH	1834
EC-TCO	TOXIC OVERHEAD STORAGE TANK	1834
L-12T	LIQUID NITROGEN STORAGE TANK	1834
L-13T	CONTINUOUS STRIPPING EXTRACTOR HOT WATER TANK	1834

### 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
L-14P	RAFFINATE EXTRACTION COLUMN	1834
L-15P	RAFFINATE DISTILLATION COLUMN	1834
L-16L	METHYLENE CHLORIDE TRUCK UNLOADING	1834
L-16P	7016 STILL	1834
L-17T	CONDENSER PUMP TANK	1834
L-19T	CAUSTIC NEUTRALIZATION TANK	1834
L-20P	DOW RECOVERY TANK	1834
L-22T	METHYLENE CHLORIDE WASTE STORAGE TANK	1834
L-23P	CRYSTALLIZER	1834
L-24P	CYCLONE WASH TANK	1834
L-26P	LANNATE CENTRIFUGE	1834
L-3P	EXTRACTOR RECYCLE TANK	1834
L-41P	PROCESS WASTE TANK	1834
L-42T	TEMPERED BRINE HOLD TANK	1834
L-43P	CAUSTIC RECIRCULATION TANK	1834
L-46L	HYDROCHLORIC ACID TRUCK UNLOADING	1834
L-50P	AGRICULTURAL PRODUCT INTERMEDIATES CENTRIFUGE	1834
L-54L	SODIUM NITRITE RAILCAR UNLOADING	1834

### 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
L-56UL	DIMETHYL ACETAMIDE UNLOADING	1834
L-57T	SODIUM NITRITE STORAGE TANK	1834
L-5P	FLASHER EXTRACTOR	1834
L-61T	COPPER CATALYST SOLUTION TANK	1834
L-62P	SECOND WASH RECYCLE	1834
L-64UL	POTASSIUM HYDROXIDE/SODIUM NITRITE TRUCK UNLOADING	1834
L-67P	CENTRIFUGE REWORK TANK	1834
L-68T	FILTRATE HOLD TANK	1834
L-6P	CONTINUOUS STRIPPING EXTRACTOR	1834
L-8P	EXTRACT CONCENTRATOR	1834
L-9P	EXTRACT HOLD TANK	1834
LN-01H	PROCESS HEATER	1834
LN-01T	WET SLURRY HOLD TANK	1834
LN-01Z	COOLING TOWER	1834
LN-02C	METHOMYL VAPOR INCINERATOR	1834
LN-02T	RAFFINATE HOLD TANK	1834
LN-04T	EXTRACT HOLD TANK	1834
LN-05C	SOLVENT RECOVERY	1834

### 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
LN-05T	CRUDE METHOMYL STORAGE TANK	1834
LN-07T1	MESH STORAGE TANK - LANNATE	1834
LN-08T	HYDROCHLORIC ACID STORAGE TANK	1834
LN-09T	SODIUM HYDROXIDE STORAGE TANK	1834
LN-10T	METTHYLEN CHLORIDE STORAGE TANK EAST	1834
LN-11T	METTHYLEN CHLORIDE STORAGE TANK WEST	1834
LN-12L1	ACETALDEHYDE OXIME TRUCK UNLOADING	1834
LN-12L2	ACETALDEHYDE OXIME RAILCAR UNLOADING	1834
LN-12L3	ACETALDEHYDE OXIME TRUCK UNLOADING	1834
LN-13CRW	METHOMYL RE-WORK SYSTEM	106.262/11/01/2003
LN-13T	MONOMETHYLFORMAMIDE STORAGE TANK	1834
LN-16T	MOTHER LIQUID TANK	1834
LN-17T	COLD BRINE TANK	1834
LN-18T	HOT BRINE TANK	1834
LN-19T	METHANOL STORAGE TANK	1834
LN-21F	FUGITIVE EQUIPMENT	1834
LN-22T	ACETALDEHYDOXIME STORAGE TANK	1834
LN-24A	METHOMYL REACTOR	1834

### 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
LN-24B	CONVERTERS	1834
LN-25T	DOWTHERM STORAGE TANK	106.472/09/04/2000
LN-50C1	NOX REDUCING SCRUBBED INCINERATOR	1834
LN-DEGRSR	LANNATE PART WASHER	106.454/11/01/2001
LN-RMSS	MSS VESSEL DEPRESSURING	1834
LN-TVPATM	MSS TEMPORARY VENTING	1834
MESH-B/D	METHYLMERCAPTAN RAILCAR UNLOADING	1834
MMF-B/D	MONOMETHYLFORMAMIDE UNLOADING	1834
SF-02P14B	OXAMYL TECH STORAGE TANK	1834
SF-02P2A	OXAMYL REACTOR	1834
SF-02P2B	OXAMYL REACTOR	1834
SF-02P4B1	OXAMYL TECH FORMULATION TANK	1834
SF-02P4B2	VYDATE 24L FORMULATION TANK	1834
SF-02P4B3	VYDATE 10L FORMULATION TANK	1834
SF-02P4B	CRUDE OXAMYL FORMULATION TANK	1834
SF-02P6A	SO2 WEIGH TANK	1834
SF-02P6	SO2 WEIGH TANK	1834
SF-02T1	CYCLOHEXANONE STORAGE TANK	1834

### 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
SF-03P1A	OXAMYL SLURRY FEED TANK	1834
SF-03P4	PRODUCT FILTER AND PACKOUT A2213	1834
SF-03PMRT	METHANOL RECYCLE TANK	1834
SF-03P	WASTE TANK	1834
SF-03T	POTASSIUM HYDROXIDE/SODIUM NITRITE STORAGE TANK	1834
SF-04P1A	SOUTH VYDATE 24L STORAGE TANK	1834
SF-04P1	SOUTH VYDATE 10L STORAGE TANK	1834
SF-04P2A	NORTH VYDATE 24L STORAGE TANK	1834
SF-04P2	NORTH VYDATE 10L STORAGE TANK	1834
SF-04T	AQUEOUS AMMONIA STORAGE TANK	1834
SF-05L1A	OXAMYL TECH TRUCK LOADING	1834
SF-05L1	OXAMYL TECH RAILCAR LOADING	1834
SF-05L2A	VYDATE 10L TRUCK LOADING	1834
SF-05L2	VYDATE 24L TRUCK LOADING	1834
SF-05L5A	VYDATE 10L FORMULATION TANK LOADING	106.262/11/01/2003
SF-05L5B	VYDATE 24L ISO-CONTAINER TRANSLOADING	106.262/11/01/2003
SF-05L5C	OXAMYL TECH FORMULATION TANK LOADING	106.262/11/01/2003
SF-05L5D	VYDATE 24L FORMULATION TANK LOADING	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>
SF-05L	VYDATE 24L RAILCAR LOADING	1834
SF-05LWW	OXAMYL WASTEWATER LOADING	106.472/09/04/2000
SF-05T	FILTRATE HOLD TANK	1834
SF-09T	DIMETHYLACETAMIDE/ACETIC ACID STORAGE TANK	1834
SF-10T	EAST SLURRY HOLD TANK	1834

**Alternative Requirement**

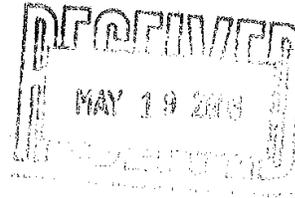
**Alternative Requirement .....60**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAY 14 2003



Ms. Kimberly Markiewicz  
Site Leader - Environmental Affairs  
DuPont Packaging and Industrial Polymers  
P. O. Box 347  
La Porte, Texas 77572-0347

Re: Alternative Monitoring Parameter for the Scrubber System as Requested in the Precompliance Plans for the Lannate/API Unit, TCEQ Account No. HG-0218-K under 40 CFR, Part 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production

Dear Ms. Markiewicz:

This letter is in response to your letter dated May 5, 2003, stating that DuPont, per 40 CFR § 63.1366(b)(4) and through its Precompliance Plan submitted on December 17, 2001, requested use of an alternative monitoring parameter for the caustic scrubber system in the Lannate/API process unit. In particular, DuPont proposed to monitor the caustic concentration of the scrubbing liquid in the caustic receiver tank in lieu of monitoring the pH of the effluent scrubber liquid as required by 40 CFR § 63.1366(b)(1)(ii).

DuPont is planning to conduct a compliance performance test to ensure the destruction efficiency of the scrubber system. The test will determine a minimum caustic concentration for complying with the standards and DuPont will report it to EPA.

DuPont's request to monitor the caustic concentration in lieu of the scrubber liquid pH as described above is hereby approved. DuPont shall monitor the caustic concentration once per day and maintain it at or above the set concentration determined from the expected compliance test. Per 40 CFR § 63.1366(b)(1)(ii), DuPont must also monitor the scrubber liquid flow rate.

This determination is based on information provided by DuPont's submitted compliance plan and an e-mail correspondence of May 8, 2003, from Ms. Thuy Mai, of your staff. The information provided indicates that DuPont uses a fresh caustic solution of about 15% to control acid emissions, monitors the caustic concentration at least once daily, and replaces the spent solution with another fresh caustic solution when the caustic strength of the current solution drops about 3%. However, the minimum caustic concentration is to be determined from the anticipated compliance test.

If you have other questions concerning this response, you may contact Jim Yang, of my staff, at (214) 665-7578 or e-mail him at yang.juei@epa.gov.

Sincerely yours,

Handwritten signature of William K. Honker in black ink.

William K. Honker, P.E.  
Chief  
Air/Toxics and Inspection  
Coordination Branch

cc: Jeff Greif, TCEQ  
Robin Segall, OAQPS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NC 27711

JUL 1 2003

OFFICE OF  
AIR QUALITY PLANNING  
AND STANDARDS

Mr. Donald L. Weaver, Plant Manager  
DuPont Packaging and Industrial Polymers  
La Porte Plant  
P.O. Box 347  
La Porte, Texas 77572-0347

Dear Mr. Weaver:

We are writing in response to your letter of June 3, 2003 to William K. Honker of the U.S. Environmental Protection Agency, Region 6 (EPA Region 6) requesting review of a proposed performance test plan for the caustic scrubber system in the Lannate®/API Production Unit at the DuPont La Porte Plant located in La Porte, Texas (DuPont, La Porte). In particular, our response will address review and approval of alternative testing procedures presented in the proposed test plan; EPA Region 6 will address overall approval of the test plan in a separate correspondence.

DuPont's La Porte facility is subject to the requirements of 40 CFR 63, Subpart MMM, National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production. As such, DuPont La Porte must conduct performance testing of the caustic scrubber system in the Lannate®/API Production Unit using the procedures of §63.1365 to demonstrate compliance with the standards set forth in §63.1362. In specific, DuPont La Porte plans to demonstrate compliance with the standard for 94 percent or greater reduction of hydrogen chloride (HCl) and chlorine (Cl<sub>2</sub>) by the caustic scrubber system.

As we understand the process, the caustic scrubber system in the Lannate®/API Production Unit controls emissions from two batch processes, A-2213 and A-5546, which do not run concurrently. The gases exiting the caustic scrubber system are sent to the Lannate vapor incinerator, from which they exit to the atmosphere. DuPont La Porte proposes to conduct the performance testing to determine the emission reduction efficiency of the caustic scrubber system while the A-5546 process is in normal operation. Another process which feeds the Lannate® incinerator, the Lannate® process, will not be in operation during the test period.

To determine the reduction efficiency of a scrubber system, Section 63.1365 of Subpart MMM requires testing at the inlet and outlet of the system. However, due to the extremely high concentrations of HCl and Cl<sub>2</sub> expected at the inlet to the caustic scrubber system and the intermittent nature of the venting episodes from these processes, DuPont proposes, in lieu of sampling the HCl and Cl<sub>2</sub> at the inlet of the scrubber system, to inject Cl<sub>2</sub> at a controlled rate

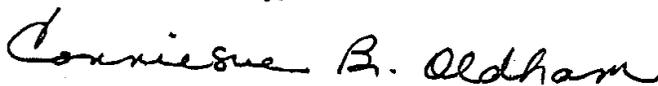
simulating the estimated process vent rate for the A-2213 process. In this way, the scrubber system would be challenged by both  $\text{Cl}_2$  (which is more difficult to control than HCl) and the HCl inherent in the A-5546 process. During the sampling period, DuPont would inject  $\text{Cl}_2$  gas at a precisely controlled rate (target of 80 lb/hr) which would allow calculation of the  $\text{Cl}_2$  input to the incinerator without sampling. A small amount of nitrogen may also be injected at the inlet location to assure that the chlorine is swept into the scrubber system, but this will not affect the calculations.

DuPont then proposes to use Method 26A to measure the HCl and  $\text{Cl}_2$  that exits the caustic scrubber system. The total chloride mass emission rate measured at the scrubber system exit will be used to determine an equivalent chlorine mass emission rate which will be compared to the measured chlorine injection rate to determine the weight percent emission reduction for the scrubber system. Because of the small duct diameter (4 inches) and positive pressure conditions at the scrubber outlet location, DuPont has proposed to conduct the Method 26A sampling in the exit stack of the Lannate® incinerator. The Lannate® incinerator should not reduce the levels of the HCl/ $\text{Cl}_2$  coming from the caustic scrubber system and will probably only produce an insignificant amount of HCl from halogenated organics coming from the A-5546 process. Any HCl produced, of course, would be measured by Method 26A and would bias the results conservatively.

DuPont's proposed approach to controlled injection of  $\text{Cl}_2$  in lieu of sampling at the inlet location is consistent with the "peak-case conditions described in §63.1365(b)(11) and will yield a conservative result considering the additional contribution of HCl from the A-5546 process. In addition, sampling at the Lannate® incinerator stack instead of the caustic scrubber outlet will also provide a conservative result. Therefore, with this letter we are approving the proposed alternative procedures as described above for use at DuPont La Porte for performance testing of the caustic scrubber system in the Lannate®/API Production Unit to demonstrate compliance with §63.1362.

If you have any questions regarding this determination, please contact Robin Segall of my staff at 919-541-0893 or [segall.robin@epa.gov](mailto:segall.robin@epa.gov).

Sincerely,



Conniesue B. Oldham, Ph.D., Group Leader  
Source Measurement Technology Group

cc: William K. Honker, P.E., R6  
Robert James, TCEQ-Region 12  
Thuy Mai, DuPont La Porte  
Kimberly Y. Markiewicz, DuPont La Porte  
Randy McDonald, OAQPS/ESD  
Marcia Mia, OECA  
Jim Yang, R6

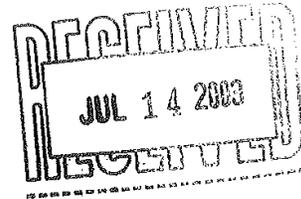
TOTAL P. 05



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

JUL - 9 2003



Mr. Donald L. Weaver  
Plant Manager  
DuPont Packaging and Industrial Polymers  
P. O. Box 347  
La Porte, Texas 77572-0347

Re: Performance Test Plan & Test Notification for Lannate Manufacturing Unit, Designated as TCEQ Account No. HG-0218-K, at the DuPont La Porte, Texas Plant under the National Emission Standard for Hazardous Air Pollutants for Pesticide Active Ingredient Production, Prescribed in 40 C.F.R. Part 63, Subpart MMM for the HCl/Cl<sub>2</sub> Caustic Scrubber Train

Dear Mr. Weaver:

This is in response to your letter dated June 3, 2003, providing a proposed performance test plan for the HCl/Cl<sub>2</sub> Caustic Scrubber Train at the Lannate Manufacturing Unit, as referenced above.

As noted in the performance test plan, on May 14, 2003, this office approved your request to alternatively monitor the caustic concentration of the scrubbing liquid in the caustic receiver tank instead of monitoring the pH of the effluent scrubber liquid.

However, to demonstrate compliance of the caustic scrubber train with the subpart MMM standard of 94 percent or greater reduction of HCl and Cl<sub>2</sub>, DuPont requested approval of alternative testing procedures that must be approved by the EPA's Office of Air Quality Planning and Standards (OAQPS) in Research Triangle Park, North Carolina. The requested alternative involves injecting Cl<sub>2</sub> at a controlled rate at the inlet to the scrubber train along with the process vents and measuring the residual concentration of HCl and Cl<sub>2</sub> exiting from the Lannate incinerator with the Lannate process shut down. OAQPS has approved these alternative testing procedures in a letter dated July 1, 2003, that a copy is enclosed. In addition, DuPont will monitor and report the minimum caustic concentration and the flow rate of the scrubber liquid during the performance test as compliance monitoring parameters.

Your request has been coordinated with Robert James of TCEQ and Robin Segall of OAQPS. We thank you for your open discussion and approve your test plan. If you have other questions concerning this response, you may contact Jim Yang at (214) 665-7578 or e-mail him at yang.juei@epa.gov.

Sincerely yours,



William K. Honker, P.E.  
Chief  
Air/Toxics and Inspection  
Coordination Branch

Enclosure (1)

cc: Jeff Greif, TCEQ  
Robert James, TCEQ  
Robin Segall, OAQPS

**Appendix A**

**Acronym List ..... 67**

## Acronym List

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

ACFM .....	actual cubic feet per minute
AMOC .....	alternate means of control
ARP .....	Acid Rain Program
ASTM .....	American Society of Testing and Materials
B/PA .....	Beaumont/Port Arthur (nonattainment area)
CAM .....	Compliance Assurance Monitoring
CD .....	control device
COMS .....	continuous opacity monitoring system
CVS .....	closed-vent system
D/FW .....	Dallas/Fort Worth (nonattainment area)
DR .....	Designated Representative
ELP .....	El Paso (nonattainment area)
EP .....	emission point
EPA .....	U.S. Environmental Protection Agency
EU .....	emission unit
FCAA Amendments .....	Federal Clean Air Act Amendments
FOP .....	federal operating permit
GF .....	grandfathered
gr/100 scf .....	grains per 100 standard cubic feet
HAP .....	hazardous air pollutant
H/G/B .....	Houston/Galveston/Brazoria (nonattainment area)
H <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