



## 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 .....	6
New Source Review Authorization Requirements.....	8
Compliance Requirements .....	8
Protection of Stratospheric Ozone .....	10
Permit Location.....	10
Permit Shield (30 TAC § 122.148) .....	10
Attachments.....	12
Applicable Requirements Summary.....	13
Additional Monitoring Requirements .....	28
Permit Shield .....	31
New Source Review Authorization References .....	33
Appendix A .....	38
Acronym List.....	39
Appendix B.....	40

## **General Terms and Conditions**

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

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

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

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

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

## **Special Terms and Conditions:**

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

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

- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subpart DDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.870 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

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

condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

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

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

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

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

30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

- C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(a)(1).
- 5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
- 6. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that will remove remediation material containing less than 1 megagram per year of the HAP listed in Table 1 to Subpart GGGGG, the permit holder shall comply with 40 CFR § 63.7881(c)(1) - (3) (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference).

#### **Additional Monitoring Requirements**

- 7. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:
  - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
  - B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in

40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

- C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
- D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
- E. The permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective action:
  - (i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or
  - (ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
- F. The permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:
  - (i) Once a year the permit holder shall inspect the capture system in compliance of CAM for leaks in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppm above background or as defined by the underlying applicable requirement; or
  - (ii) Once a month, the permit holder shall conduct a visual, audible, and/or olfactory inspection of the capture system in compliance of CAM to detect leaking components.
- G. The permit holder shall comply with either of the following requirements for any bypass of the control device subject to CAM. If the results of the following inspections or monitoring indicate bypass of the control device, the permit holder shall promptly take necessary corrective actions and report a deviation:
  - (i) Install a flow indicator that is capable of recording flow, at least once every fifteen minutes, immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

- (ii) Once a month, the permit holder shall inspect the valves checking the position of the valves and the condition of the car seals. Identify all times when the car seal has been broken and the valve position has been changed to allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere.
- H. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

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

- 8. 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
- 9. 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.
- 10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **Compliance Requirements**

- 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 Beaumont-Port Arthur Nonattainment area, 30 TAC § 117.9000
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.150(c) and (c)(1).
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)

#### **Protection of Stratospheric Ozone**

15. 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.

#### **Permit Location**

16. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

#### **Permit Shield (30 TAC § 122.148)**

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

shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Applicable Requirements Summary**

**Unit Summary** ..... 14

**Applicable Requirements Summary** ..... 18

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

**Unit Summary**

<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>
11	Emission Points/Stationary Vents/Process Vents	N/A	R5121-23	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
12	Emission Points/Stationary Vents/Process Vents	N/A	R5121-23	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
14	Emission Points/Stationary Vents/Process Vents	N/A	R5121-28	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
15	Emission Points/Stationary Vents/Process Vents	N/A	R5121-23	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
16	Emission Points/Stationary Vents/Process Vents	N/A	R5121-23	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
26	Emission Points/Stationary Vents/Process Vents	N/A	R5121-23	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
COATLOAD	Loading/Unloading Operations	N/A	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
DSLOFFLD	Loading/Unloading Operations	N/A	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
FWP-1	SRIC Engines	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GEN-2	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GENLOAD	Loading/Unloading Operations	N/A	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPDYER	Emission Points/Stationary Vents/Process Vents	DRYER-1, DRYER-2, DRYER-3, DRYER-4, DRYER-5	R111-151a	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
GRPDYER	Plywood And Composite Wood Products	DRYER-1, DRYER-2, DRYER-3, DRYER-4, DRYER-5	63DDDD-D20	40 CFR Part 63, Subpart DDDD	No changing attributes.
GRPDYER	Plywood And Composite Wood Products	DRYER-1, DRYER-2, DRYER-3, DRYER-4, DRYER-5	63DDDD-D90	40 CFR Part 63, Subpart DDDD	No changing attributes.
GRPDYRTO	Emission Points/Stationary Vents/Process Vents	RTO1, RTO2	R1111-002B	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPDYRTO	Emission Points/Stationary Vents/Process Vents	RTO1, RTO2	R5121-28	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPLOADMDI	Loading/Unloading Operations	MDILOAD, MDIWKLD	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPLOADPF	Loading/Unloading Operations	PFLOAD, PKWKLD	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPTKSMDI	Storage Tanks/Vessels	MDI-1, MDI-2	R115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKSPF	Storage Tanks/Vessels	PF-1, PF-2	R115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKSWAX	Storage Tanks/Vessels	WAX-1, WAX-2	R115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
PROCOAT	Surface Coating Operations	N/A	R5427A3G	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PROCOAT	Plywood And Composite Wood Products	N/A	63DDDD-C1	40 CFR Part 63, Subpart DDDD	No changing attributes.
PROLOGO	Surface Coating Operations	N/A	R5427A3G	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.
PROLOGO	Plywood And Composite Wood Products	N/A	63DDDD-C2	40 CFR Part 63, Subpart DDDD	No changing attributes.
PRONAIL	Surface Coating Operations	N/A	R5427A3G	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.
PRONAIL	Plywood And Composite Wood Products	N/A	63DDDD-C3	40 CFR Part 63, Subpart DDDD	No changing attributes.
RTO3	Emission Points/Stationary Vents/Process Vents	N/A	R111-151a	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
RTO3	Emission Points/Stationary Vents/Process Vents	N/A	R111-002B	30 TAC Chapter 111, Visible Emissions	No changing attributes.
RTO3	Emission Points/Stationary Vents/Process Vents	N/A	R5121-28	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
RTO3	Plywood And Composite Wood Products	N/A	63DDDD-P20	40 CFR Part 63, Subpart DDDD	No changing attributes.
RTO3	Plywood And Composite Wood Products	N/A	63DDDD-P90	40 CFR Part 63, Subpart DDDD	No changing attributes.
THERMLOAD	Loading/Unloading Operations	N/A	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
WASTELOAD	Loading/Unloading Operations	N/A	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
WAXLOAD	Loading/Unloading Operations	N/A	R115-217A1	30 TAC Chapter 115, Loading and Unloading of VOC	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)
11	EP	R5121-23	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
12	EP	R5121-23	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
14	EP	R5121-28	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
15	EP	R5121-23	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of §	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						115.121(a)(1).			
16	EP	R5121-23	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
26	EP	R5121-23	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
COATLOAD	EU	R115-217A1	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
DSLOFFLD	EU	R115-217A1	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)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC	§ 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

**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)
					§ 115.214(a)(1)(D)(i)	with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.			
FWP-1	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GEN-2	EU	63ZZZZ-1	EXEMPT	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f).	None	None	§ 63.6645(c) § 63.6645(f)
GENLOAD	EU	R115-217A1	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	§ 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

### 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)
						pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.			
GRPDYER	EP	R111-151a	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
GRPDYER	EU	63DDDD-D20	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD
GRPDYER	EU	63DDDD-D90	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD

### 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)
					DDDD				
GRPDRYRTO	EP	R1111-002B	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
GRPDRYRTO	EP	R5121-28	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPLOADMDI	EU	R115-217A1	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
GRPLOADPF	EU	R115-217A1	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	§ 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

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements  (30 TAC § 122.144)</b>	<b>Reporting Requirements  (30 TAC § 122.145)</b>
						division, except as specified.			
GRPTKSMDI	EU	R115B-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
GRPTKSPF	EU	R115B-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
GRPTKSWAX	EU	R115B-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
PROCOAT	PRO	R5427A 3G	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements  (30 TAC § 122.144)</b>	<b>Reporting Requirements  (30 TAC § 122.145)</b>
PROCOAT	EU	63DDDD-C1	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD
PROLOGO	PRO	R5427A 3G	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
PROLOGO	EU	63DDDD-C2	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD
PRONAIL	PRO	R5427A 3G	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115,	The permit holder shall comply with the applicable monitoring and testing requirements	The permit holder shall comply with the applicable recordkeeping requirements of 30	The permit holder shall comply with the applicable reporting requirements of 30

### 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)
					equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	Surface Coating Operations	of 30 TAC Chapter 115, Surface Coating Operations	TAC Chapter 115, Surface Coating Operations	TAC Chapter 115, Surface Coating Operations
PRONAIL	EU	63DDDD-C3	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD
RTO3	EU	R111-151a	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
RTO3	EP	R111-002B	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	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)
						after January 31, 1972.			
RTO3	EP	R5121-28	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
RTO3	EU	63DDDD-P20	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD
RTO3	EU	63DDDD-P90	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2231 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDD
THERMLOAD	EU	R115-217A1	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	§ 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

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
						requirements of this division, except as specified.			
WASTELOAD	EU	R115-217A1	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
WAXLOAD	EU	R115-217A1	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

**Additional Monitoring Requirements**

**Compliance Assurance Monitoring Summary ..... 29**

### CAM Summary

Unit/Group/Process Information	
ID No.: GRPDRYER	
Control Device ID No.: GRPDRYRTO	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-151a
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: A minimum combustion temperature of 1400 degrees Fahrenheit shall be maintained.	
<p>CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

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

### CAM Summary

Unit/Group/Process Information	
ID No.: RTO3	
Control Device ID No.: RTO3	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-151a
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: A minimum combustion temperature of 1400 degrees Fahrenheit shall be maintained.	
<p>CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

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

**Permit Shield**

**Permit Shield ..... 32**

### 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		
FWP-1	N/A	30 TAC Chapter 117, Subchapter B	Unit is a stationary diesel engine.
GEN-2	N/A	30 TAC Chapter 117, Subchapter B	Stationary Diesel Engine
GRPDEGREZ	KNIFEROOM, MECHANIC, MILLWRIGHT	30 TAC Chapter 115, Degreasing Processes	True vapor pressure < 0.6 psia and drainage area < 16 in <sup>2</sup> .
GRPDYRTO	RTO1, RTO2	30 TAC Chapter 111, Incineration	Not an incinerator as defined in §101.1.
GRPDYRTO	RTO1, RTO2	30 TAC Chapter 112, Sulfur Compounds	Fuel type is natural gas.
GRPDYRTO	RTO1, RTO2	30 TAC Chapter 117, Subchapter B	Unit is not a boiler, process heater, turbine or engine.
GRPOVEN	OVENS-1, OVENS-2	30 TAC Chapter 117, Commercial	MRC < 5 MMBtu/hr
RTO3	N/A	30 TAC Chapter 111, Incineration	Not an incinerator as defined in §101.1.
RTO3	N/A	30 TAC Chapter 112, Sulfur Compounds	Fuel type is natural gas.
RTO3	N/A	30 TAC Chapter 117, Subchapter B	Unit is not a boiler, process heater, turbine or engine.
TOH	N/A	30 TAC Chapter 117, Commercial	Boiler is rated at less than 40 MMBtu/hr.

**New Source Review Authorization References**

**New Source Review Authorization References..... 34**  
**New Source Review Authorization References by Emission Unit ..... 35**

### 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>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX882	Issuance Date: 03/15/2015
<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.: 19695	Issuance Date: 03/15/2015
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/01/1999
Number: 106.454	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 51	Version No./Date: 06/07/1996
Number: 53	Version No./Date: 06/07/1996
Number: 61	Version No./Date: 06/07/1996
Number: 75	Version No./Date: 06/07/1996
Number: 83	Version No./Date: 06/07/1996
Number: 107	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.

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
11	SAW LINE PNEUMATIC SYSTEM	19695, PSDTX882
12	FUEL METERING BIN PNEUMATIC SYSTEM	19695, PSDTX882
14	RAW FUEL BIN PNEUMATIC SYSTEM	19695, PSDTX882
15	SANDERDUST RECEIVING BIN PNEUMATIC SYSTEM	19695, PSDTX882
16	MATERIAL REJECT PNEUMATIC SYSTEM	19695, PSDTX882
26	SANDERDUST PNEUMATIC SYSTEM	19695, PSDTX882
COATLOAD	EDGE SEAL TANK LOADING	053/06/07/1996
DRYER-1	WAFER DRYER #1	19695, PSDTX882
DRYER-2	WAFER DRYER #2	19695, PSDTX882
DRYER-3	WAFER DRYER #3	19695, PSDTX882
DRYER-4	WAFER DRYER #4	19695, PSDTX882
DRYER-5	WAFER DRYER #5	19695, PSDTX882
DSLOFFLD	OFF-ROAD DIESEL STORAGE TANK LOADING	106.473/09/04/2000
FWP-1	FIRE PUMP DIESEL	106.511/09/04/2000
GEN-2	DIESEL GENERATOR 2	106.511/09/04/2000
GENLOAD	GENERATOR TANK LOADING	051/06/07/1996
KNIFEROOM	KNIFE ROOM DEGREASER	107/06/07/1996
MDI-1	MDI STORAGE TANK #1	19695, PSDTX882
MDI-2	MDI STORAGE TANK #2	19695, PSDTX882

**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>
MDILOAD	MDI STORAGE TANKS LOADING	19695, PSDTX882
MDIWKLD	MDI WORK TANK LOADING	19695
MECHANIC	MECHANIC REMOTE RESERVOIR PARTS WASHER	107/06/07/1996
MILLWRIGHT	MILLWRIGHT REMOTE RESERVOIR PARTS WASHER	107/06/07/1996
OVENS-1	OVEN #1	106.433/09/01/1999
OVENS-2	OVEN #2	106.433/09/01/1999
PF-1	PF RESIN STORAGE TANK #1	19695, PSDTX882
PF-2	PF RESIN STORAGE TANK #2	19695, PSDTX882
PFLOAD	PF RESIN STORAGE TANK LOADING	19695, PSDTX882
PKWKLD	PF RESIN WORK TANK LOADING	19695
PROCOAT	PROCOAT	19695, PSDTX882
PROLOGO	PROLOGO	075/06/07/1996
PRONAIL	PRONAIL	075/06/07/1996
RTO1	DRYER RTO #1	19695, PSDTX882
RTO2	DRYER RTO #2	19695, PSDTX882
RTO3	PRESS RTO	19695, PSDTX882
THERMLOAD	THERMAL OIL TANK LOADING	051/06/07/1996
TOH	THERMAL OIL HEATER	19695, PSDTX882
WASTELOAD	WASTE OIL TANK LOADING	053/06/07/1996

**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.

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
WAX-1	WAX STORAGE TANK #1	051/06/07/1996
WAX-2	WAX STORAGE TANK #2	051/06/07/1996
WAXLOAD	WAX STORAGE TANKS LOADING	051/06/07/1996

**Appendix A**

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

## Acronym List

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

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

**Appendix B**

**Major NSR Summary Table ..... 41**

### Major NSR Summary Table

Permit Number: 19695/PSDTX882		Issuance Date: March 13, 2015					
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
RTO1 and RTO2	Dryer RTO Nos. 1 & 2 Stack (Combined) (5 Dryers, 5 Cyclones and 1 WESP)	VOC	18.56	57.95	3, 22, 26, 30, 32, 35, 36, 37	3, 10, 32, 35, 37, 40	3, 34
		NO <sub>x</sub>	59.58	186.07			
		SO <sub>2</sub>	2.72	11.91			
		PM	5.30	16.54			
		PM <sub>10</sub> (6)	5.30	16.54			
		PM <sub>2.5</sub> (6)	5.30	16.54			
		CO	282.47	882.16			
		HCHO	2.04	6.37			
		MeOH	0.99	3.11			
RTO3	Press RTO Stack (Press and 1 Unloader Vent)	VOC	9.02	28.17	3, 22, 27, 30, 32, 33, 35, 36, 37	3, 10, 32, 35, 37, 40	3, 34
		NOX	23.93	74.73			
		SO2	0.02	0.10			
		PM	9.75	30.45			
		PM10(6)	9.75	30.45			
		PM2.5(6)	9.75	30.45			
		CO	52.77	164.79			
		HCHO	0.90	2.83			
		MeOH	1.77	5.54			
		MDI	0.04	0.11			
		C6H5OH	0.54	1.69			
11	Saw Line Baghouse Stack	VOC	2.80	8.74		10	
		PM	1.25	5.46			
		PM10 (6)	1.25	5.46			
		PM2.5(6)	1.25	5.46			
12	Fuel metering Bin Baghouse Stack	VOC	4.01	12.53		10	
		PM	0.40	1.75			
		PM10 (6)	0.40	1.75			
		PM2.5(6)	0.40	1.75			
14	Raw Fuel Bin	VOC	6.84	21.38		10	

### Major NSR Summary Table

Permit Number: 19695/PSDTX882			Issuance Date: March 13, 2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Baghouse Stack	PM	0.62	2.70			
		PM10 (6)	0.62	2.70			
		PM2.5(6)	0.62	2.70			
15	Sanderdust Receiving Bin Baghouse Stack	VOC	0.03	0.09		10	
		PM	0.03	0.13			
		PM10 (6)	0.03	0.13			
		PM2.5(6)	0.03	0.13			
16	Material Reject Baghouse/Abort Cyclone Stack	VOC	5.91	18.47		10	
		PM	1.23	5.37			
		PM10(6)	1.23	5.37			
		PM2.5(6)	1.23	5.37			
		HCHO	0.03	0.10			
		MDI	<0.01	<0.01			
17	Material Handling System Fugitives (5)	PM	0.92	2.02			
		PM10 (6)	0.32	0.71			
		PM2.5(6)	0.32	0.71			
18	MDI Tanks	MDI	<0.01	<0.01			
22	Roadways (5)	PM	6.38	13.97			
		PM10	1.25	3.94			
23	PF Tanks	HCHO	0.02	<0.01			
26	Panel/Vented Soffit Saws Baghouse Stack	VOC	1.26	3.94		10	
		PM	1.86	8.17			
		PM <sub>10</sub> (6)	1.86	8.17			
		PM <sub>2.5</sub> (6)	1.86	8.17			
FWP-1	Fire Water Pump Stack	VOC	0.71	0.04			
		NO <sub>x</sub>	8.93	0.45			
		SO <sub>2</sub>	0.59	0.03			
		PM	0.63	0.03			

### Major NSR Summary Table

Permit Number: 19695/PSDTX882			Issuance Date: March 13, 2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM <sub>10</sub>	0.63	0.03			
		PM <sub>2.5</sub>	0.63	0.03			
		CO	1.92	0.10			
F-1	Storage Pile Fugitives (5)	PM	0.15	0.66			
		PM <sub>10</sub> (6)	0.15	0.66			
		PM <sub>2.5</sub> (6)	0.15	0.66			
TOH-1	Thermal Oil Heater Stack	VOC	0.18	0.80			
		NO <sub>x</sub>	3.33	14.60			
		SO <sub>2</sub>	0.02	0.09			
		PM	0.25	1.11			
		PM <sub>10</sub>	0.25	1.11			
		PM <sub>2.5</sub>	0.25	1.11			
		CO	2.80	12.26			
COAT-3	Siding Line Paint Booth Fugitives (2 Booths) (5)	VOC	0.13	0.40		40	
		PM	1.35	4.23			
		PM <sub>10</sub>	0.16	0.51			
		PM <sub>2.5</sub>	0.16	0.51			
OVEN	Siding Line Paint Ovens Vents (2 Ovens)	VOC	0.26	0.83		40	
		NO <sub>x</sub>	0.31	1.37			
		SO <sub>2</sub>	<0.01	0.01			
		PM	0.15	0.50			
		PM <sub>10</sub>	0.04	0.15			
		PM <sub>2.5</sub>	0.04	0.15			
		CO	0.26	1.15			
COAT-4 and COAT-5	Panel Siding Paint Booths 1 and 2	VOC (7)	0.92	0.36		40	
		PM (7)	1.86	4.63			
		PM <sub>10</sub> (7)	0.14	2.28			
		PM <sub>2.5</sub> (7)	0.14	2.28			
COAT-6	Mainline Paint Booth	VOC	2.37	4.97		40	

## Major NSR Summary Table

Permit Number: 19695/PSDTX882			Issuance Date: March 13, 2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM	1.37	5.90			
		PM <sub>10</sub>	0.11	0.46			
		PM <sub>2.5</sub>	0.11	0.46			

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC --- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> --- total oxides of nitrogen  
 SO<sub>2</sub> --- sulfur dioxide  
 PM<sub>2</sub> --- total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented  
 PM<sub>10</sub> --- total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as represented  
 PM<sub>2.5</sub> --- particulate matter equal to or less than 2.5 microns in diameter  
 CO --- carbon monoxide  
 HCHO --- formaldehyde  
 MeOH --- methyl alcohol (methanol)  
 MDI --- methylene diisocyanate  
 C<sub>6</sub>H<sub>5</sub>OH --- phenol
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Also counted as wood dust.
- (7) Combined emissions for COAT-4 and COAT-5



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
AIR QUALITY PERMIT



A Permit Is Hereby Issued To  
**Louisiana-Pacific Corporation**  
Authorizing the Continued Operation of  
**Oriented Strandboard Mill**  
Located at **Silsbee, Hardin County, Texas**  
Latitude 30° 22' 12" Longitude -94° 10' 41"

Permits: 19695 and PSDTX882

Issuance Date : March 13, 2015

Expiration Date: March 13, 2015

For the Commission

- Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]
- Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
- Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
- Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
- Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC 116.115(b)(2)(F)]
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.

## **Special Conditions**

Permit Numbers 19695 and PSDTX882

### **Emission Standards**

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and other conditions specified in that attached table.

### **Fuel Specification**

2. Fuel for the dryers and thermal oil heaters shall be dry wood fines, oriented strandboard (OSB) trim, sanderdust, and sweet natural gas as defined in Title 30 Texas Administrative Code (30 TAC) Chapter 101. Use of any other fuel will require prior written approval of the Executive Director of the Texas Commission On Environmental Quality (TCEQ).

Coating drying or curing ovens shall either be electric or meet the following conditions:

- A. The thermal heat input to any oven must not exceed 40 MMBtu/hr.
- B. Fuel for the ovens shall be liquid petroleum gas, sweet natural gas or No. 2 fuel oil with no more than 0.3 percent sulfur by weight.

### **Federal Applicability**

3. All affected facilities shall comply with all applicable requirements of the EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63, specifically the following:
  - A. Subpart A - General Provisions; and
  - B. Subpart DDDD – Plywood and Composite Wood Products.

### **Opacity/Visible Emission Limitations**

4. Opacity of emissions from the Regenerative Thermal Oxidizer (RTO) Stacks (RTO1, RTO2, and RTO3) shall not exceed 10 percent averaged over a six-minute period, except for those periods described in 30 Texas Administrative Code (30 TAC) §§ 101.201, 101.211 and 111.111(a)(1)(E).

During bakeout of the RTOs, opacity of emissions from the RTO Stacks (RTO1, RTO2, and RTO3) shall not exceed 20 percent averaged over a six-minute period.

5. Opacity of emissions from the Baghouse Stacks (Emission Point Nos. [EPNs] 11, 12, 14, and 15), Material Reject Baghouse/Abort Cyclone Stack (EPN 16), Panel/Vented Soffit Saws Baghouse (EPN 26), Oven Vents (EPN OVEN), Panel Siding Paint Booth Nos. 1 and 2 (EPN COAT-4 and COAT-5); and Main Line Paint Booth (EPN COAT -6) shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC §§ 101.201 and 101.211.

6. Visible fugitive emissions from the log processing, bark handling system, Storage Pile Fugitives (EPN F-1), and fuel handling areas, including the conveyor systems shall not leave the property for more than 30 cumulative seconds in any six-minute period.

### **Operational Limitations, Work Practices, And Plant Design**

7. The production is limited to a total maximum press throughput of 1,402,500 ft<sup>2</sup> (3/8-inch) per day of waferboard; and a total maximum annual plant throughput of 365,000,000 ft<sup>2</sup> of (3/8-inch) board processed, on a finished product basis in conformity with the recordkeeping requirements.
8. The facilities are authorized to operate up to 8,760 hours per year.
9. Disposal of ash must be accomplished in a manner which will prevent the ash from becoming airborne.
10. All air pollution abatement equipment shall be properly maintained and operated during the operation of these facilities. Cleaning and maintenance of the abatement equipment shall be performed as recommended by the manufacturer and as necessary so that the equipment efficiency can be adequately maintained. Records of all maintenance performed must be kept on-site and made available to the TCEQ personnel upon request.
11. All hooding, duct, and collection systems shall be effective in capturing emissions from the intended equipment and in preventing fugitive emissions from the building. The hooding and duct systems shall be maintained free of holes, cracks, and other conditions that would reduce the collection efficiency of the emission capture system.
12. The Saw Line (EPN 11); Refined Fuel Bin (EPN 12); Raw Fuel Bin (EPN 14); Sanderdust Receiving Bin (EPN 15); Material Reject (EPN 16); and Panel/Vented Soffit Saws (EPN 26) shall be vented to their own baghouses, each with an outlet grain loading of 0.005 grain per standard cubic feet. All baghouse dust drop points shall be maintained in such a manner as to prevent dust emissions from becoming airborne. Disposal of baghouse dust must be accomplished in a manner that will minimize the dust from becoming airborne. There shall be no outside storage of the baghouse dust unless in enclosed and/or covered containers.
13. Replaced or used bags shall be disposed of in a manner that will minimize any dust from becoming airborne.
14. All permanent in-plant roads and parking areas will be watered and/or paved and cleaned as necessary to insure that no visible emissions are observed leaving the plant boundary.
15. Sampling ports and platforms shall be incorporated into the design of the RTO stacks according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the Executive Director of the TCEQ.

16. If the production rate of the plant exceeds the rate achieved during sampling, based upon the production indicators established in the stack test protocol submitted, or otherwise agreed upon by the TCEQ Beaumont Regional Office; the company must notify in writing the TCEQ Beaumont Regional Office, and the source may be subject to additional sampling to demonstrate continued compliance with all applicable state and federal regulations.
17. If this facility or any portion of this facility exceeds any of the applicable allowable emission rates (ERs) or other standards, the holder of this permit shall take immediate corrective action to comply with the applicable standards. These actions may include (but are not limited to) reducing operating temperature, reducing throughput, and/or the installation of additional control equipment. These corrective actions shall not be considered complete until compliance with the allowable ERs and other standards has been demonstrated. Additional testing may be required.
18. All five dryer cyclones must be vented to Cyclones/RTO1 and RTO2, while the press vents and the unloader vent must be vented to RTO3.

The press area must be enclosed in such a manner as to direct press and unloader emissions, including fugitives to RTO3.

The thermal oil heater must be vented to RTO1 and RTO2 through the dryers when using dry wood fines or OSB trim as fuel. Emissions may be vented directly to the atmosphere through EPN TOH-1 only when burning sweet natural gas.

19. Each RTO must operate at a minimum temperature of 1400°F while receiving process gases from the dryers or press. For purposes of stack testing only, this temperature can be lowered to a minimum of 1300°F. Such testing at lower temperatures must comply with the sampling requirements.
20. The five dryers can all operate at the same time only when the two Dryer RTOs (RTO1 and RTO2) are in operation. Only three dryers are allowed to operate when only one dryer RTO is operating.
21. All coatings must be water-based and must be done with high-volume, low-pressure, airless spray systems. Most of the coatings must take place in a paint booth with fabric filtration achieving 95 percent removal of particulate matter (PM).

### **Initial Determination Of Compliance**

22. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from (but not limited to) RTO1, RTO2, and RTO3. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

### **Sampling Requirements**

23. A pretest meeting shall be held with personnel from the TCEQ before the required tests are performed. The TCEQ Regional Office with jurisdiction shall be notified not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:
- A. Date for pretest meeting;
  - B. Date sampling will occur;
  - C. Points or sources to be sampled;
  - D. Name of firm conducting sampling;
  - E. Type of sampling equipment to be used; and
  - F. Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

24. Alternate sampling methods and representative unit testing may be proposed by the permit holder. A written proposed description of any deviation from sampling procedures or emission sources specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. Such a proposal must be approved by the TCEQ Regional Office with jurisdiction at least two weeks prior to sampling.
25. Requests to waive testing for any pollutant specified shall be submitted, in writing, for approval to the TCEQ Office of Air, Air Permits Division in Austin.
26. Air contaminants emitted from the Dryer RTO1 and RTO2 to be tested for include (but are not limited to) PM, volatile organic compounds (VOC), nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and formaldehyde (HCHO).
27. Air contaminants emitted from the press RTO3 and any other source that may be agreed upon during pre-test meeting to be tested for include (but are not limited to) PM, VOC, NO<sub>x</sub>, CO, HCHO, and phenol.
28. Sampling shall occur no later than February 28, 2006 and at such other times as may be required by the Executive Director of the TCEQ.
29. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office with jurisdiction. Additional time to comply with the applicable federal requirements requires EPA approval, and requests shall be submitted to the TCEQ Regional Office with jurisdiction.

30. Stack sampling shall be repeated every three years and at any other time required by the Executive Director of the TCEQ after the initial sampling in conformity with sampling requirements.
31. Upon written request from the holder of this permit, the Executive Director of the TCEQ may waive the testing requirements after two successful samples, provided that the company demonstrates continuous compliance through sampling, monitoring, and recordkeeping with the ERs and conditions of this permit.
32. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the plant is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.
33. In addition, sampling of the Press RTO shall occur within 180 days of the issue date of this amendment for the September 2006 application. Sampling of this source for NO<sub>x</sub> shall occur at the lowest sustainable line speed and will follow the sampling requirements.
34. Copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ *Sampling Procedures Manual*. The reports shall be distributed as follows:

One copy to the TCEQ Regional Office with jurisdiction.

One copy to the TCEQ Office of Air, Air Permits Division in Austin.

One copy to each appropriate local air pollution control program with jurisdiction.

### **Demonstration Of Continuous Compliance**

35. The holder of this permit shall install, calibrate, and maintain a continuous opacity monitoring system (COMS) to monitor and record opacity from the Dryer and Press RTO Stacks (RTO1, RTO2, and RTO3). These COMS shall meet all of the requirements including the allowable limits for instrument drift established in both Performance Specification No. 1, 40 CFR Part 60, Appendix B, and the TCEQ Sampling Procedures Manual. The COMS shall be zeroed and spanned daily in order to determine and decrease the amount of instrument drift. Corrective actions shall be taken when the drift exceeds the amount specified in Performance Specification No. 1.

Any use of parametric monitoring in lieu of the COMS specified in this special condition must be approved by the Executive Director of the TCEQ.

36. The VOC emission monitoring shall be conducted by establishing, through testing or otherwise, the parameters needed to be controlled in order to ensure proper operation of

the RTOs (e.g., temperature and air flow from the RTO) and installing continuous emission monitoring system (CEMS) for these parameters in lieu of commercially available VOC monitors.

37. The data obtained from the opacity COMS shall be collected, analyzed, and reduced to percent opacity based on six-minute averages. The percent opacity shall be recorded and maintained and shall be made available to any TCEQ representative upon request. The maximum opacity for any of these six-minute periods shall not exceed 10 percent.
38. Upon written request to, and at the discretion of, the Executive Director of the TCEQ, the holder of this permit may discontinue the COMS/CEMS operation, recordkeeping, and requirements, provided the holder demonstrates that the dryers and presses can operate in continuous compliance with the opacity limits and conditions of this permit.
39. If any emission monitor fails to meet specified performance, it shall be repaired or replaced immediately, but no later than seven days after it was first detected by any employee at the facility unless written permission is obtained from the TCEQ which allows for a longer repair or replacement time. The holder of this permit shall develop an operation and maintenance program (including stocking necessary spare parts) to ensure that the continuous monitors are available as required.

### **Recordkeeping Requirements**

40. Records shall be maintained at this facility site and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction to demonstrate compliance with permit limitations. These records shall be totaled for each calendar month, retained for a rolling 60-month period, and include the following:
  - A. The holder of this permit shall keep daily and annual records of the amount of OSB produced (on 3/8-inch basis). This value shall be determined by multiplying the number of times the press closes during an operating day times the finished area of the press (2,304 square feet) times the nominal thickness of the board produced and divided by 3/8-inch. These values shall be summed for all thicknesses pressed in a given day to arrive at the daily production;
  - B. Weight of logs received at the plant and bark and excess wood fuel shipped off-site;
  - C. All CEMS and opacity data required under this permit, including sampling records;
  - D. All natural gas purchases and usage rates;
  - E. Material safety data sheets for all coating materials and organic solvents; and
  - F. Data of daily coatings and organic solvent used including actual hours of operation of each coating or stripping operation.

Date: March 13, 2015

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 19695 and PSDTX882

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
RTO1 and RTO2	Dryer RTO Nos. 1 and 2 Stack (Combined) (5 Dryers, 5 Cyclones and 1 WESP)	VOC	18.56	57.95
		NO <sub>x</sub>	59.58	186.07
		SO <sub>2</sub>	2.72	11.91
		PM	5.30	16.54
		PM <sub>10</sub> (6)	5.30	16.54
		PM <sub>2.5</sub> (6)	5.30	16.54
		CO	282.47	882.16
		HCHO	2.04	6.37
		MeOH	0.99	3.11
RTO3	Press RTO Stack (Press and 1 Unloader Vent)	VOC	9.02	28.17
		NO <sub>x</sub>	23.93	74.73
		SO <sub>2</sub>	0.02	0.10
		PM	9.75	30.45
		PM <sub>10</sub> (6)	9.75	30.45
		PM <sub>2.5</sub> (6)	9.75	30.45
		CO	52.77	164.79
		HCHO	0.90	2.83
		MeOH	1.77	5.54
		MDI	0.04	0.11
	C <sub>6</sub> H <sub>5</sub> OH	0.54	1.69	
11	Saw Line Baghouse Stack	VOC	2.80	8.74
		PM	1.25	5.46
		PM <sub>10</sub> (6)	1.25	5.46

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM <sub>2.5</sub> (6)	1.25	5.46
12	Fuel Metering Bin Baghouse Stack	VOC	4.01	12.53
		PM	0.40	1.75
		PM <sub>10</sub> (6)	0.40	1.75
		PM <sub>2.5</sub> (6)	0.40	1.75
14	Raw Fuel Bin Baghouse Stack	VOC	6.84	21.38
		PM	0.62	2.70
		PM <sub>10</sub> (6)	0.62	2.70
		PM <sub>2.5</sub> (6)	0.62	2.70
15	Sanderdust Receiving Bin Baghouse Stack	VOC	0.03	0.09
		PM	0.03	0.13
		PM <sub>10</sub> (6)	0.03	0.13
		PM <sub>2.5</sub> (6)	0.03	0.13
16	Material Reject Baghouse/Abort Cyclone Stack	VOC	5.91	18.47
		PM	1.23	5.37
		PM <sub>10</sub> (6)	1.23	5.37
		PM <sub>2.5</sub> (6)	1.23	5.37
		HCHO	0.03	0.10
		MDI	<0.01	<0.01
		C <sub>6</sub> H <sub>5</sub> OH	0.25	0.79
17	Material Handling System Fugitives (5)	PM	0.92	2.02
		PM <sub>10</sub> (6)	0.32	0.71
		PM <sub>2.5</sub> (6)	0.32	0.71
18	MDI Tanks	MDI	<0.01	<0.01
22	Roadways (5)	PM	6.38	13.97
		PM <sub>10</sub>	1.25	3.94
23	PF Tanks	HCHO	0.02	<0.01

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
26	Panel/Vented Soffit Saws Baghouse Stack	VOC	1.26	3.94
		PM	1.86	8.17
		PM <sub>10</sub> (6)	1.86	8.17
		PM <sub>2.5</sub> (6)	1.86	8.17
FWP-1	Fire Water Pump Stack	VOC	0.71	0.04
		NO <sub>x</sub>	8.93	0.45
		SO <sub>2</sub>	0.59	0.03
		PM	0.63	0.03
		PM <sub>10</sub>	0.63	0.03
		PM <sub>2.5</sub>	0.63	0.03
		CO	1.92	0.10
F-1	Storage Pile Fugitives (5)	PM	0.15	0.66
		PM <sub>10</sub> (6)	0.15	0.66
		PM <sub>2.5</sub> (6)	0.15	0.66
TOH-1	Thermal Oil Heater Stack	VOC	0.18	0.80
		NO <sub>x</sub>	3.33	14.60
		SO <sub>2</sub>	0.02	0.09
		PM	0.25	1.11
		PM <sub>10</sub>	0.25	1.11
		PM <sub>2.5</sub>	0.25	1.11
		CO	2.80	12.26
COAT-3	Siding Line Paint Booth Fugitives (2 Booths) (5)	VOC	0.13	0.40
		PM	1.35	4.23
		PM <sub>10</sub>	0.16	0.51
		PM <sub>2.5</sub>	0.16	0.51
OVEN	Siding Line Paint Ovens Vents (2 Ovens)	VOC	0.26	0.83
		NO <sub>x</sub>	0.31	1.37

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		SO <sub>2</sub>	<0.01	0.01
		PM	0.15	0.50
		PM <sub>10</sub>	0.04	0.15
		PM <sub>2.5</sub>	0.04	0.15
		CO	0.26	1.15
COAT-4 and COAT-5	Panel Siding Paint Booths 1 and 2	VOC (7)	0.92	0.36
		PM (7)	1.86	4.63
		PM <sub>10</sub> (7)	0.14	2.28
		PM <sub>2.5</sub> (7)	0.14	2.28
COAT-6	Mainline Paint Booth	VOC	2.37	4.97
		PM	1.37	5.90
		PM <sub>10</sub>	0.11	0.46
		PM <sub>2.5</sub>	0.11	0.46

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
HCHO - formaldehyde  
MeOH - methyl alcohol (methanol)  
MDI - methylene diisocyanate  
C<sub>6</sub>H<sub>5</sub>OH - phenol
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Also counted as wood dust.

Emission Sources - Maximum Allowable Emission Rates

(7) Combined emissions for COAT-4 and COAT-5

Date: March 13, 2015