FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Louisiana-Pacific Corporation

AUTHORIZING THE OPERATION OF
Carthage Oriented Strandboard (OSB) Mill
Reconstituted Wood Product Manufacturing

LOCATED AT
Panola County, Texas
Latitude 32° 11′ 18″ Longitude 94° 21′ 45″
Regulated Entity Number: RN100215433

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1200 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts DDDD or QQQQ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113,

Subchapter C, § 113.870 or § 113.1000, respectively, which incorporate the 40 CFR Part 63 Subparts 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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. 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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(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. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources 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 sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source 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)(8) and (a)(8)(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)(8)(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.

D. 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.

E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

F. 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)

G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(iii) Title 30 TAC § 111.209 (relating to Exception for Disposal Fires)

(iv) Title 30 TAC § 111.211 (relating to Exception for Prescribed Burn)

(v) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(vi) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 100,000 gallons of gasoline in any calendar month after October 31, 2014, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. 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.

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. 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 or minimum frequency 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 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.

(iii) Electronically monitor the position of the abort damper or each dryer by means of a limit switch. The position of the damper, either open or closed, is continually recorded in the mill's manufacturing server. Anytime the abort damper is in the open position a visual and audible alarm is sent to the dryer control room. Each time an alarm is received record the date, start time, stop time, cause, and corrective action, and an indication that a deviation occurred for inclusion in the semiannual deviation report.

G. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated October 16, 2025 in the application for project 38039), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and

available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of 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

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

    A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by

properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Temporary Fuel Shortages (30 TAC § 112.15)

15. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

    A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

    B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

    C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

    D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

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

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BARKBURNER	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
CP-002	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
FWP-2	SRIC ENGINES	N/A	60IIII-2	40 CFR Part 60, Subpart IIII	No changing attributes.
GRPDRYER	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DRYER2, DRYER3, DRYER4, DRYER5	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
GRPDRYER-4D	PLYWOOD AND COMPOSITE WOOD PRODUCTS	BARKBURNER, DRYER2, DRYER3, DRYER4, DRYER5, TOH, TOH-BCK	63DDDD-DRYERA	40 CFR Part 63, Subpart DDDD	Using Compliance Option of reducing emissions of total HAP by 90 percent.
GRPDRYER-4D	PLYWOOD AND COMPOSITE WOOD PRODUCTS	BARKBURNER, DRYER2, DRYER3, DRYER4, DRYER5, TOH, TOH-BCK	63DDDD-DRYERB	40 CFR Part 63, Subpart DDDD	Using Compliance Option of meeting total HAP emissions limit of 20 ppm.
GRPPB	MISCELLANEOUS UNITS	PB-1, PB-2	63DDDD-PAINT	40 CFR Part 63, Subpart DDDD	No changing attributes.
PRESS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
PRESS	MISCELLANEOUS UNITS	N/A	63DDDD-PRESSA	40 CFR Part 63, Subpart DDDD	Using Compliance Option of reducing emissions of total HAP by 90 percent.
PRESS	MISCELLANEOUS UNITS	N/A	63DDDD-PRESSB	40 CFR Part 63, Subpart DDDD	Using Compliance Option of meeting total HAP emissions limit of 20 ppm.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
RCOPRESS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
RTO1-5	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-RTO	30 TAC Chapter 111, Visible Emissions	No changing attributes.
S-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
TOH	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
TOH	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-1	40 CFR Part 60, Subpart Dc	No changing attributes.
TOH-BCK	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-2	40 CFR Part 60, Subpart Dc	No changing attributes.
TS	SURFACE COATING OPERATIONS	N/A	63QQQQ-1	40 CFR Part 63, Subpart QQQQ	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)
BARKBURNER	EU	R1151-1	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
CP-002	EU	R1151-1	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
FWP-2	EU	60IIII-2	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP-2	EU	60IIII-2	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
GRPDRYER	EU	R1151-1	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
GRPDRYER-4D	EU	63DDDD-DRYERA	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2240-Table1(B)1 § 63.2233(b) § 63.2240(b) § 63.2240-Table2(1) § 63.2250(a) § 63.2250(b) § 63.2250(e) § 63.2250(f)(2) § 63.2250(f)(2) - Table3(6) § 63.2250(f)(5) § 63.2250(f)(6) § 63.2250(g) § 63.2271(a)-Table7(1)	Reduce emissions of total HAP, measured as THC (as carbon), by 90 percent.	§ 63.2260(a) § 63.2260(b) § 63.2260(b)-Table5(2) § 63.2261(a) § 63.2262(a) § 63.2262(a)-Table4(1)-(5) § 63.2262(a)-Table4(11) [G]§ 63.2262(b) § 63.2262(c) § 63.2262(d)(1) § 63.2262(e) § 63.2262(g) § 63.2262(h) § 63.2262(j) § 63.2262(k)	§ 63.2250(c) § 63.2269(a)(3) § 63.2270(b) § 63.2270(c) § 63.2270(d) § 63.2270(f) § 63.2282(a)(1) [G]§ 63.2282(a)(2) § 63.2282(a)(4) § 63.2282(b) § 63.2282(f) § 63.2283(a) § 63.2283(b) § 63.2283(c) § 63.2283(d)	§ 63.2233(d) § 63.2260(c) § 63.2271(b) § 63.2271(b)(4) § 63.2280(a) § 63.2280(b) § 63.2280(c) § 63.2280(d) § 63.2280(d)(2) § 63.2280(g) § 63.2280(g)(1) § 63.2280(g)(3) § 63.2281(a) § 63.2281(a)-Table9 [G]§ 63.2281(b) [G]§ 63.2281(c) [G]§ 63.2281(e) § 63.2281(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.2262(k)(1) § 63.2262(k)(2) [G]§ 63.2269(a) [G]§ 63.2269(b) § 63.2270(a) § 63.2270(b)		§ 63.2281(h) [G]§ 63.2281(i) [G]§ 63.2281(j) [G]§ 63.2281(k) [G]§ 63.2281(l)
GRPDRYER-4D	EU	63DDDD-DRYERB	112(B) HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2240-Table1(B)(2) § 63.2233(b) § 63.2240(b) § 63.2240(b)-Table2(1) § 63.2250(a) § 63.2250(b) § 63.2250(e) § 63.2250(f)(2) § 63.2250(f)(2) - Table3(6) § 63.2250(f)(5) § 63.2250(f)(6) § 63.2250(g) § 63.2271(a)-Table7(1)	Limit emissions of total HAP, measured as THC (as carbon), to 20 ppmvd	§ 63.2260(a) § 63.2260(b) § 63.2260(b)-Table5(3) § 63.2261(a) § 63.2262(a) § 63.2262(a)-Table4(1)-(5) § 63.2262(a)-Table4(11) [G]§ 63.2262(b) § 63.2262(c) § 63.2262(e) § 63.2262(g) § 63.2262(j) § 63.2262(k) § 63.2262(k)(1) § 63.2262(k)(2) [G]§ 63.2269(a) [G]§ 63.2269(b) § 63.2270(a) § 63.2270(b)	§ 63.2250(c) § 63.2269(a)(3) § 63.2270(b) § 63.2270(c) § 63.2270(d) § 63.2270(f) § 63.2282(a)(1) [G]§ 63.2282(a)(2) § 63.2282(a)(4) § 63.2282(b) § 63.2282(f) § 63.2283(a) § 63.2283(b) § 63.2283(c) § 63.2283(d)	§ 63.2233(d) § 63.2260(c) § 63.2271(b) § 63.2271(b)(4) § 63.2280(a) § 63.2280(b) § 63.2280(c) § 63.2280(d) § 63.2280(d)(2) § 63.2280(g) § 63.2280(g)(1) § 63.2280(g)(3) § 63.2281(a) § 63.2281(a)-Table9 [G]§ 63.2281(b) [G]§ 63.2281(c) [G]§ 63.2281(e) § 63.2281(g) § 63.2281(h) [G]§ 63.2281(i) [G]§ 63.2281(j) [G]§ 63.2281(k) [G]§ 63.2281(l)
GRPPB	EU	63DDDD-PAINT	HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2241(a)-Table3(5) § 63.2233(b) § 63.2250(a) § 63.2250(b) § 63.2250(e) § 63.2250(f)(2) § 63.2250(f)(2) - Table3(5)	Use non-HAP coatings as defined in §63.2292.	§ 63.2260(b) § 63.2261(b)	§ 63.2282(a) § 63.2282(a)(1) § 63.2282(b) § 63.2283(a) § 63.2283(b) § 63.2283(c)	§ 63.2233(d) § 63.2260(c) § 63.2271(b) § 63.2271(b)(4) § 63.2280(a) § 63.2280(b) § 63.2280(d) § 63.2280(d)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.2250(f)(5) § 63.2250(f)(6) § 63.2250(g) § 63.2260(b)-Table6(5) § 63.2271(a)-Table8(5)				
PRESS	EU	R1151-1	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
PRESS	EU	63DDDD-PRESSA	HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2240-Table1B(1) § 63.2233(b) § 63.2240(b) § 63.2240-Table2(2) § 63.2250(a) § 63.2250(b) § 63.2250(e) § 63.2250(f)(2) § 63.2250(f)(2) - Table3(6) § 63.2250(f)(5) § 63.2250(f)(6) § 63.2250(g) § 63.2267 § 63.2271(a)-Table7(1) § 63.2271(a)-Table7(4)	Reduce emissions of total HAP, measured as THC (as carbon), by 90 percent.	§ 63.2260(a) § 63.2260(b) § 63.2260(b)-Table5(2) § 63.2260(b)-Table5(6) § 63.2261(a) § 63.2262(a) § 63.2262(a)-Table4(1)-(5) § 63.2262(a)-Table4(11) § 63.2262(a)-Table4(9) § 63.2262(d)(1) § 63.2262(e) § 63.2262(g) § 63.2262(h) § 63.2262(j) [G]§ 63.2262(l) [G]§ 63.2269(a)	§ 63.2250(c) § 63.2269(a)(3) § 63.2270(b) § 63.2270(c) § 63.2270(d) § 63.2270(f) § 63.2282(a)(1) [G]§ 63.2282(a)(2) § 63.2282(a)(4) § 63.2282(b) § 63.2282(e) § 63.2282(f) § 63.2283(a) § 63.2283(b) § 63.2283(c) § 63.2283(d)	§ 63.2233(d) § 63.2260(c) § 63.2271(b) § 63.2271(b)(4) § 63.2280(a) § 63.2280(b) § 63.2280(c) § 63.2280(d) § 63.2280(d)(2) § 63.2280(g) § 63.2280(g)(1) § 63.2280(g)(3) § 63.2281(a) § 63.2281(a)-Table9 [G]§ 63.2281(b) [G]§ 63.2281(c) § 63.2281(e) § 63.2281(g) § 63.2281(h) [G]§ 63.2281(i) [G]§ 63.2281(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 63.2269(b) § 63.2270(a) § 63.2270(b)		[G]§ 63.2281(k) [G]§ 63.2281(l)
PRESS	EU	63DDDD-PRESSB	HAPS	40 CFR Part 63, Subpart DDDD	§ 63.2240-Table1(B)2 § 63.2233(b) § 63.2240(b) § 63.2240-Table2(2) § 63.2250(a) § 63.2250(b) § 63.2250(e) § 63.2250(f)(2) § 63.2250(f)(2) - Table3(6) § 63.2250(f)(5) § 63.2250(f)(6) § 63.2250(g) § 63.2267 § 63.2271(a)-Table 7(1)	Limit emissions of total HAP, measured as THC (as carbon), to 20 ppmvd	§ 63.2260(a) § 63.2260(b) § 63.2260(b)-Table5(3) § 63.2260(b)-Table5(6) § 63.2261(a) § 63.2262(a) § 63.2262(a)-Table4(1)-(5) § 63.2262(a)-Table4(11) § 63.2262(a)-Table4(9) [G]§ 63.2262(b) § 63.2262(c) § 63.2262(e) § 63.2262(g) § 63.2262(j) [G]§ 63.2262(l) [G]§ 63.2269(a) [G]§ 63.2269(b) § 63.2270(a) § 63.2270(b)	§ 63.2250(c) § 63.2269(a)(3) § 63.2270(b) § 63.2270(c) § 63.2270(d) § 63.2270(f) § 63.2282(a)(1) [G]§ 63.2282(a)(2) § 63.2282(a)(4) § 63.2282(b) § 63.2282(e) § 63.2282(f) § 63.2283(a) § 63.2283(b) § 63.2283(c) § 63.2283(d)	§ 63.2233(d) § 63.2260(c) § 63.2271(b) § 63.2271(b)(4) § 63.2280(a) § 63.2280(b) § 63.2280(c) § 63.2280(d) § 63.2280(d)(2) § 63.2280(g) § 63.2280(g)(1) § 63.2280(g)(3) § 63.2281(a) § 63.2281(a)-Table9 [G]§ 63.2281(b) [G]§ 63.2281(c) [G]§ 63.2281(e) § 63.2281(g) § 63.2281(h) [G]§ 63.2281(i) [G]§ 63.2281(j) [G]§ 63.2281(k) [G]§ 63.2281(l)
RCOPRESS	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
RTO1-5	EP	R1111-RTO	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%	§ 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)
						averaged over a six minute period for any source on which construction was begun after January 31, 1972.			
S-2	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 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.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
TOH	EU	R1151-1	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
TOH	EU	60Dc-1	PM	40 CFR Part 60, Subpart Dc	§ 60.43c(b)(1) § 60.40c(c) § 60.43c(b) § 60.43c(d)	Facilities firing the specified fuels with a heat input capacity of > 8.7 MW shall not discharge gases with PM in excess of 43 ng/J heat input if the facility has an ACF for wood greater than 30%.	§ 60.45c(a) § 60.45c(a)(1) § 60.45c(a)(2) [G]§ 60.45c(a)(3) § 60.45c(a)(4) § 60.45c(a)(5) § 60.45c(a)(6) [G]§ 60.45c(a)(7)	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(b) § 60.48c(j)
TOH	EU	60Dc-1	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.43c(c) § 60.40c(c) § 60.43c(d) § 60.47c(a) § 60.47c(b)	Facilities firing the specified fuels and that have heat input capacity of 8.7 MW (30 MMBtu/hr) or greater, shall not exhibit opacity greater than 20%, 6-minute	§ 60.45c(a) § 60.45c(a)(8) § 60.47c(a) § 60.47c(b)	§ 60.47c(a) § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(b) [G]§ 60.48c(c) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						average, except as specified.			
TOH	EU	60Dc-1	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
TOH-BCK	EU	60Dc-2	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
TOH-BCK	EU	60Dc-2	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
TOH-BCK	EU	60Dc-2	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
TS	EU	63QQQQ-1	112(B) HAPS	40 CFR Part 63, Subpart QQQQ	§ 63.4690(b) § 63.4700(a) § 63.4700(a)(1) § 63.4700(b) § 63.4742(a) § 63.4742(b)	If the affected source applies coating to other interior panels then the organic HAP emission limit for the affected source is 20 grams HAP/liter solids (0.17	[G]§ 63.4741 § 63.4742(a)	§ 63.4691 § 63.4730 § 63.4730(a) § 63.4730(b) § 63.4730(c) § 63.4730(c)(1)	§ 63.4691 § 63.4710(a) § 63.4710(b) § 63.4710(c) § 63.4710(c)(1) § 63.4710(c)(2)

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)
						lb HAP/gal solid).		§ 63.4730(c)(2) § 63.4730(d) § 63.4730(e) § 63.4730(f) § 63.4730(g) § 63.4730(h) § 63.4730(j) [G]§ 63.4731 § 63.4742(d)	§ 63.4710(c)(3) § 63.4710(c)(4) § 63.4710(c)(5) [G]§ 63.4710(c)(6) [G]§ 63.4710(c)(7) § 63.4710(c)(8) § 63.4710(c)(8)(i) § 63.4720(a) [G]§ 63.4720(a)(1) § 63.4720(a)(2) § 63.4720(a)(3) § 63.4720(a)(3)(i) § 63.4720(a)(3)(ii) § 63.4720(a)(3)(iii) § 63.4720(a)(3)(iv) § 63.4720(a)(4) [G]§ 63.4720(a)(5) § 63.4720(d)(2) [G]§ 63.4720(d)(3) [G]§ 63.4720(d)(4) § 63.4742(b) § 63.4742(c)

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: BARKBURNER	
Control Device ID No.: WESP2	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP3	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP4	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP5	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Secondary Voltage	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Secondary Voltage - 25 KV	
CAM Text: 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: ± 2% of reading; or ± 5% over its operating range.	

CAM Summary

Unit/Group/Process Information	
ID No.: BARKBURNER	
Control Device ID No.: WESP2	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP3	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP4	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP5	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Secondary Current	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Secondary Current = 150 mA	
CAM Text: 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: ± 1% of reading; or ± 5% over its operating range.	

CAM Summary

Unit/Group/Process Information	
ID No.: CP-002	
Control Device ID No.: S-2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum pressure drop - 0.5 inches WC, Maximum pressure drop = 5 inches WC	
CAM Text: 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: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRPDRYER	
Control Device ID No.: WESP2	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP3	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP4	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP5	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Secondary Voltage	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Secondary Voltage = 25 kV	
CAM Text: 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: ± 2% of reading; or ± 5% over its operating range.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRPDRYER	
Control Device ID No.: WESP2	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP3	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP4	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP5	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Secondary Current	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Secondary Current = 150 mA, Maximum Secondary Current = 1,000 mA	
CAM Text: 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: ± 1% of reading; or ± 5% over its operating range.	

CAM Summary

Unit/Group/Process Information	
ID No.: PRESS	
Control Device ID No.: RCOPRESS	Control Device Type: Other control device type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
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: Minimum Combustion Temperature = 800°F or minimum temperature established during stack testing. Records of the most recent stack testing shall be maintained.	
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: ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius.	

CAM Summary

Unit/Group/Process Information	
ID No.: RCOPRESS	
Control Device ID No.: RCOPRESS	Control Device Type: Other control device type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum Combustion Temperature = 800°F or minimum temperature established during stack testing. Records of the most recent stack testing shall be maintained.	
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: ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius.	

CAM Summary

Unit/Group/Process Information	
ID No.: S-2	
Control Device ID No.: S-2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Pressure Drop = 0.5 inches WC; Maximum Pressure Drop = 5.0 inches WC.	
CAM Text: 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: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: TOH	
Control Device ID No.: WESP2	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP3	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP4	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP5	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Secondary Voltage	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Secondary Voltage = 25 kV	
CAM Text: 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: ± 2% of reading; or ± 5% over its operating range.	

CAM Summary

Unit/Group/Process Information	
ID No.: TOH	
Control Device ID No.: WESP2	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP3	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP4	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: WESP5	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Secondary Current	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Secondary Current = 150 mA	
CAM Text: 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: ± 1% of reading; or ± 5% over its operating range.	

Permit Shield

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
FWP-2	N/A	40 CFR Part 63, Subpart ZZZZ	The unit is a new emergency stationary RICE with a site rating of less than 500 brake HP located at a major source of HAP emissions.
GEN-2	N/A	40 CFR Part 63, Subpart ZZZZ	The unit is an existing emergency stationary RICE with a site rating of more than 500 bhp and the unit is located at a site that is a major source of HAP emissions.
GRPDRYER	DRYER2, DRYER3, DRYER4, DRYER5	30 TAC Chapter 112, Sulfur Compounds	These units do not burn solid fossil fuel or liquid fuel.
GRPDRYER-4D	BARKBURNER, DRYER2, DRYER3, DRYER4, DRYER5, TOH, TOH-BCK	40 CFR Part 63, Subpart DDDDD	The units are subject to MACT DDDD.
GRPTKSMDI	R3, R4	30 TAC Chapter 115, Loading and Unloading of VOC	The tanks do not store gasoline and are located in Panola county.
GRPTKSMDI	R3, R4	40 CFR Part 60, Subpart Kb	Vapor pressure of material contained in tank below regulatory limit of 2.2 psia.
GRPTKSPF	R1, R2	30 TAC Chapter 115, Loading and Unloading of VOC	The tanks do not store gasoline and are located in Panola county (a covered attainment country). Exempt per 115.217(b)(1)
GRPTKSPF	R1, R2	40 CFR Part 60, Subpart Kb	Size of tank below regulatory limit (19,800 gal).
GRPTKSWAX	WAX1, WAX2	30 TAC Chapter 115, Loading and Unloading of VOC	The tanks do not store gasoline and are located in Panola county (a covered attainment county). Exempt per 115.217(b)(1).
GRPTKSWAX	WAX1, WAX2	40 CFR Part 60, Subpart Kb	Size of tank below regulatory limit (19,800 gal).
RCOPRESS	N/A	30 TAC Chapter 111, Incineration	Units do not combust domestic, municipal, commercial, or industrial solid waste as defined in section 101.1

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
RCOPRESS	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel or liquid fuel
T1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The tank is a motor vehicle dispensing facility and is located in Panola county.
T1	N/A	40 CFR Part 60, Subpart Kb	Tank is smaller than 40 cubic meters.
T3	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The tank does not store gasoline and is located in Panola county.
T3	N/A	40 CFR Part 60, Subpart Kb	Tank is smaller than 40 cubic meters.
TOH	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel or liquid fuel.
TOH	N/A	40 CFR Part 60, Subpart D	Heat input capacity of unit is less than 250 MMBtu.
TOH	N/A	40 CFR Part 60, Subpart Db	Heat input capacity of unit is less than 100 MMBtu

New Source Review Authorization References

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.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX888M2	Issuance Date: 01/27/2026
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 26002	Issuance Date: 01/27/2026
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
BARKBURNER	BARK BURNER	26002, PSDTX888M2
CP-002	ASPIRATION SYSTEM	26002, PSDTX888M2
DRYER2	WAFER DRYER2	26002, PSDTX888M2
DRYER3	WAFER DRYER3	26002, PSDTX888M2
DRYER4	WAFER DRYER4	26002, PSDTX888M2
DRYER5	WAFER DRYER5	26002, PSDTX888M2
FWP-2	FIRE WATER PUMP	106.511/09/04/2000
GEN-2	EMERGENCY GENERATOR	106.511/09/04/2000
PB-1	MAIN PRODUCTION PAINT BOOTH	26002, PSDTX888M2
PB-2	T&G PAINT BOOTH	26002, PSDTX888M2
PRESS	PRESS	26002, PSDTX888M2
R1	PF RESIN STORAGE TANK #1	26002, PSDTX888M2
R2	PF RESIN STORAGE TANK #2	26002, PSDTX888M2
R3	MDI STORAGE TANK #1	26002, PSDTX888M2
R4	MDI STORAGE TANK #2	26002, PSDTX888M2
RCOPRESS	PRESS RTO	26002, PSDTX888M2
RTO1-5	DRYER RTOS COMBINED EXHAUST STACK	26002, PSDTX888M2
S-2	ASPIRATION SYSTEM BAGHOUSE STACK	26002, PSDTX888M2
T1	GASOLINE TANK #1	26002, PSDTX888M2
T3	DIESEL TANK #1	26002, PSDTX888M2
TOH	PRIMARY THERMAL OIL HEATER	26002, PSDTX888M2

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
TOH-BCK	BACK-UP THERMAL OIL HEATER	26002, PSDTX888M2
TS	TECHSHIELD LINE	106.433/09/04/2000 [48002]
WAX1	WAX STORAGE TANK #1	106.472/09/04/2000
WAX2	WAX STORAGE TANK #2	106.472/09/04/2000

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

Appendix A

Acronym List

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

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
RO ..... Responsible Official
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
RTO1-5 (7)	Dryer RTOs Combined Exhaust Stack	VOC (as C_3H_8)	8.36	29.32	3, 4, 27, 28, 29, 33, 35, 30, 31, 38, 42, 46, 52	3, 4, 29, 35, 30, 31, 38, 46, 51, 52	3, 4, 34, 38, 43, 48, 50, 52
		NO_X	58.95	206.6			
		SO_2	2.68	11.74			
		PM	13.53	40.47			
		PM_{10}	13.53	40.47			
		$PM_{2.5}$	13.53	40.47			
		CO	110.12	361.92			
		HCHO	1.27	4.44			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
DRYER MSS1	Dryer 1 Bypass Stack	VOC (as C_3H_8)	33.75	3.38	3, 4, 35, 52	3, 4, 14, 35, 51, 52	3, 4, 52
		NO_X	2.92	0.29			
		PM	3.71	0.37			
		PM_{10}	3.71	0.37			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		$PM_{2.5}$	3.71	0.37			
		CO	22.08	2.21			
		HCHO	1.89	0.19			
DRYER MSS2	Dryer 2 Bypass Stack	VOC (as C_3H_8)	33.75	3.38	3, 4, 35, 52	3, 4, 14, 35, 51, 52	3, 4, 52
		NO_X	2.92	0.29			
		PM	3.71	0.37			
		PM_{10}	3.71	0.37			
		$PM_{2.5}$	3.71	0.37			
		CO	22.08	2.21			
		HCHO	1.89	0.19			
RCOPRESS/RTOPRESS	Press RCO/RTO Stack	VOC (as C_3H_8)	4.09	15.08	4, 27, 28, 33, 35, 38, 42, 46, 52	4, 35, 30, 31, 38, 46, 51, 52	4, 34, 35, 38, 43, 48, 50 ,52
		NO_X	25.03	63.52			
		SO_2	0.01	0.04			
		PM	4.34	16.01			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	4.34	16.01			
		$PM_{2.5}$	4.34	16.01			
		CO	11.35	41.9			
		HCHO	1.77	6.54			
		MDI	0.01	0.03			
		C_6H_5OH	1.21	4.48			
PRESSVENT MSS	Press Bypass Stack	VOC (as C_3H_8)	25.27	0.63	4, 35, 52	4, 16, 35, 51, 52	4, 52
		NO_X	0.37	0.01			
		SO_2	0.33	0.01			
		PM	4.66	0.12			
		PM_{10}	2.33	0.06			
		$PM_{2.5}$	2.33	0.06			
		CO	0.90	0.02			
		HCHO	0.68	0.02			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		MDI	0.12	<0.01			
		C_6H_5OH	0.34	0.01			
S-1	Saw Line Baghouse Stack	VOC	3.89	14.37	33, 37, 39, 52	39, 51, 52	39, 52
		PM (10)	1.15	5.02			
		PM_{10} (10)	1.15	5.02			
		$PM_{2.5}$ (10)	1.15	5.02			
S-1 MSS (8)	Saw Line Bypass (5)	PM (10)	8.06	0.40	52	17, 51, 52	52
		PM_{10} (10)	8.06	0.40			
		$PM_{2.5}$ (10)	8.06	0.40			
S-2	Aspiration System Baghouse Stack	VOC (C_3H_8)	12.35	45.6	27, 33, 37, 39, 42, 46, 52	30, 31, 37, 39, 46, 51, 52	39, 43, 48, 50, 52
		PM (10)	0.50	2.17			
		PM_{10} (10)	0.50	2.17			
		$PM_{2.5}$ (10)	0.50	2.17			
		HCHO	0.41	1.50			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		MDI	0.01	0.02			
		MeOH	7.13	26.32			
		C_6H_5OH	0.01	0.03			
S-3/4	Raw Fuel Bin Baghouse Stack	VOC (C_3H_8)	5.92	21.88	27, 33, 37, 39, 42, 46, 52	39, 46, 51, 52	39, 43, 48, 50, 52
		PM (10)	0.46	2.02			
		PM_{10} (10)	0.46	2.02			
		$PM_{2.5}$ (10)	0.46	2.02			
		HCHO	0.03	0.13			
		MeOH	0.14	0.53			
S-3/4 MSS (8)	Raw Fuel Bin Bypass Stack	PM (10)	3.46	0.35	52	18, 51, 52	52
		PM_{10} (10)	3.46	0.35			
		$PM_{2.5}$ (10)	3.46	0.35			
S-5	Material Reject Baghouse Stack	VOC (C_3H_8)	3.09	11.4	33, 37, 39, 52	39, 51, 52	39, 52
		PM (10)	1.15	5.02			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10} (10)	1.15	5.02			
		$PM_{2.5}$ (10)	1.15	5.02			
		HCHO	0.07	0.24			
		MDI	<0.01	<0.01			
		MeOH	0.33	1.23			
		C_6H_5OH	<0.01	0.01			
S-6B	Tongue and Groove Sander Dust Baghouse Stack	VOC (C_3H_8)	1.76	6.48	33, 37, 39, 52	39, 51, 52	39, 52
		PM (10)	0.90	3.94			
		PM_{10} (10)	0.90	3.94			
		$PM_{2.5}$ (10)	0.90	3.94			
S-7	Sander Dust Receiving Bin Baghouse Stack	VOC (C_3H_8)	1.76	6.48	33, 37, 39, 52	39, 51, 52	39, 52
		PM (10)	0.02	0.07			
		PM_{10} (10)	0.02	0.07			
		$PM_{2.5}$ (10)	0.02	0.07			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (6)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
S-8	Finish Fuel System Baghouse Stack	VOC (C_3H_8)	6.82	25.17	33, 37, 39, 52	39, 51, 52	39, 52
		PM (10)	0.57	2.48			
		PM_{10} (10)	0.57	2.48			
		$PM_{2.5}$ (10)	0.57	2.48			
		MeOH	0.08	0.30			
S-9	Thermal Oil Heater Fuel System Baghouse Stack	VOC (C_3H_8)	1.14	4.20	33, 37, 39, 52	39, 51, 52	39, 52
		PM (10)	0.31	1.35			
		PM_{10} (10)	0.31	1.35			
		$PM_{2.5}$ (10)	0.31	1.35			
		MeOH	0.01	0.05			
R-1	PF Tank 1	HCHO	0.02	0.01	40, 52	40, 51, 52	52
R-2	PF Tank 2	HCHO	0.02	0.01	40, 52	40, 51, 52	52
R-3	MDI Tank 1	MDI	<0.01	<0.01	40, 52	40, 51, 52	52
R-4	MDI Tank 2	MDI	<0.01	<0.01	40, 52	40, 51, 52	52

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
T-1	Gasoline Tank	VOC	0.29	0.68	40, 52	40, 51, 52	52
T-3	Diesel Tank	VOC	0.09	<0.01	40, 52	40, 51, 52	52
F-1	Fuel Pile (5)	VOC	0.40	1.76	40	40	
		PM	0.04	0.17			
		PM_{10}	0.04	0.17			
		$PM_{2.5}$	0.04	0.17			
BARK	Bark Handling System (5)	PM	0.10	0.10	40	40	
		PM_{10}	0.05	0.05			
		$PM_{2.5}$	0.01	0.01			
FINES	Excess Fuel System (5)	PM	0.04	0.09	40	40	
		PM_{10}	0.02	0.04			
		$PM_{2.5}$	<0.01	0.01			
TOH-1 (9)	Thermal Oil Heater Bypass Stack	VOC (as C_3H_8)	0.17	0.76	3, 4, 52	3, 4, 51, 52	3, 4, 52
		NO_X	3.14	13.74			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		SO_2	0.02	0.08			
		PM	0.24	1.04			
		PM_{10}	0.24	1.04			
		$PM_{2.5}$	0.24	1.04			
		CO	2.64	11.54			
FWP-1	Fire Water Pump	VOC	0.25	0.02	52	52	52
		NO_X	3.51	0.35			
		SO_2	1.23	0.12			
		PM	0.33	0.03			
		PM_{10}	0.33	0.03			
		$PM_{2.5}$	0.33	0.03			
		CO	1.25	0.12			
PB-1	Paint Booth	VOC	1.26	2.75	4, 33, 40, 52	4, 40, 51, 52	4, 52
		PM	1.26	2.77			

Major NSR Summary Table

Permit Numbers: 26002 and PSDTX888M2					Issuance Date: 01/27/2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	1.26	2.77			
		$PM_{2.5}$	1.26	2.77			
PB-2	Tongue And Groove Paint Booth	VOC	1.46	3.19	4, 33, 40, 52	4, 40, 51, 52	4, 52
		PM	0.65	1.42			
		PM_{10}	0.65	1.42			
		$PM_{2.5}$	0.65	1.42			
ABRTSTK	Bark Burner Abort Stack	VOC	0.34	0.06	4, 12, 35, 52	4, 12, 35, 51, 52	4, 52
		NO_X	4.60	1.51			
		SO_2	0.50	0.07			
		PM	11.54	1.61			
		PM_{10}	10.34	1.45			
		$PM_{2.5}$	8.94	1.25			
		CO	4.80	1.73			

(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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented PM2.5 - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCHO - formaldehyde
MDI - methylene-diphenyl-diisocyanate
MeOH - methanol
C_6H_5OH - 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) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit amendment issued on September 18, 2014.
(7) Maximum combined emissions for 5 RTOs.
(8) These are not additional EPNs but represent emissions from EPNs S-1 and S-3/4 during emergency shutdown.
(9) The Thermal Oil Heater vents to the atmosphere through this bypass stack only when firing natural gas. VOCs on this MAERT are quantified as propane (C_3H_8), where noted.
(10) Wood dust included.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Louisiana-Pacific Corporation
Authorizing the Continued Operation of
Carthage OSB Mill
Located at **Carthage, Panola County, Texas**
Latitude 32.188333 Longitude -94.3625

Permits: 26002 and PSDTX888M2

Issuance Date: January 27, 2026

Expiration Date: January 27, 2036

For the Commission

1. **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 (TAC) Section 116.116 (30 TAC § 116.116)] [1]
2. **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]
3. **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)]
4. **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)]
5. **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 in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in 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)] [1]
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 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 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 "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. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
$\mu g/m^3$ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards

PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 26002 and PSDTX888M2

Emission Limitations

1. This permit authorizes only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission rates and other conditions specified in the table. In addition, this permit authorizes all emissions from planned startup and shutdown activities associated with facilities or groups of facilities that are authorized by this permit.

Fuel Specifications

2. Fuel for the bark burners shall be bark, dry and wet wood, Oriented Strand Board (OSB) trim and out-of-spec OSB boards. The following secondary fuels may be combusted in the bark burner provided that they do not supply more than 1% of the total heat input on an hourly basis: Wet Electrostatic Precipitator (WESP) sludge, dirty wood wafers used in the cleanup of used oil, diesel, water-based paint resin or wax, dirty rags or paper, waste paper for the purpose of destroying confidential records, waste cardboard and other wood-based materials unsuitable for recycling that do not contain plastics.

   Fuel for the two thermal oil heaters shall be dry wood fines, OSB trim, sander dust, and sweet natural gas. Use of any other fuel will require prior written approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ).

Federal Applicability

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources in Title 40 Code of Federal Regulations (40 CFR) Part 60, specifically the following:

   A. Subpart A - General Provisions; and

   B. Subpart Dc – Small Industrial-Commercial-Institutional Steam Generating Units.

4. These 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.

   If any condition of this permit is more stringent than the regulations so incorporated, then for the purpose of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.

Opacity/Visible Emission Limitations

5. Opacity of emissions from the Dryer Regenerative Thermal Oxidizer (RTO) Stack (Emission Point Numbers [EPN] RTO1-5), the Press Regenerative Catalytic Oxidizer (RCO) /RTO Stack (EPN RCOPRESS/RTOPRESS), and the Thermal Oil Heater Bypass Stack (TOH-1) shall not exceed 10

percent except during scheduled or planned maintenance, startup, or shutdown (MSS) activities (such as those times described in 30 Texas Administrative Code (30 TAC) § 101.211). **(5/24)**

6. Opacity of particulate matter emissions from the Saw Line Baghouse Stack (EPN S-1), Aspiration System Baghouse Stack (EPN S-2), Raw Fuel Bin Baghouse Stack (EPN S-3/4), Material Reject Baghouse Stack (EPN S-5), Tongue and Groove (T & G) Sander Dust Baghouse Stack (EPN S-6B), Sander Dust Receiving Bin Baghouse Stack (EPN S-7), Finish Fuel System Baghouse Stack (EPN S-8) and Thermal Oil Heater Fuel System Baghouse Stack (EPN S-9) shall not exceed 5 percent, except during scheduled or planned MSS activities (such as those times described in 30 Texas Administrative Code (30 TAC) § 101.211).

7. Visible fugitive emissions from all the methylene-diphenyl-diisocyanate, phenol- formaldehyde resin, diesel, and gasoline storage tanks, as well as log processing, bark handling system, fuel handling areas including the conveyor systems, Paint Booth (EPN PB-1), and T & G Paint Booth (EPN PB-2) shall not leave the property for more than 30 cumulative seconds in any six-minute period.

Operational Limitations, Work Practices, and Plant Design

8. Production is limited to a total maximum press daily throughput of 1,950,000 ft^2 of OSB (on 3/8-inch basis), and a total maximum annual plant throughput of 600,000,000 ft^2 of 3/8-inch OSB processed. **(12/20)**

9. The facilities are authorized to operate up to 8,760 hours per year.

10. Disposal of ash must be accomplished in a manner which will prevent the ash from becoming airborne.

11. The Saw Line (EPN S-1), Raw Fuel Bin (EPN S-3/4), Material Reject (EPN S-5), Tongue and Groove, Sander Dust (EPN S-6B), Finish Fuel Bin (EPN S-8) and Thermal Oil Heater Fuel System (EPN S-9) Baghouses shall vent through abort collectors.

12. Except as noted below or described in 30 TAC §§ 101.201 and 101.21, 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.

13. In order to comply with the emission limitations specified in the maximum allowable emission rates table, bypasses of the following systems shall be limited as indicated below. In the event that any of the limits are exceeded, the plant shall take immediate corrective actions to limit the reoccurrence of the bypass event. Failure to take immediate corrective action to maintain the permitted planned MSS emissions shall be regarded as a violation of this permit and additional control may be required to be implemented.

14. Dryer MSS: Dryer feed must be shut down immediately when associated bypass damper opens. There shall be no more than 12 total dryer bypasses per hour, 12 per day, and 400 per year for all the four dryers. The Dryers must continue to be vented through the WESP during bypass in order to empty dryers of existing wafers.

15. During a Cold Start-up, the bark burner shall burn no more than 20 Million British Thermal Unit (MMBtu) of fuel (wood) per hour for 6 hours per day. The bark burner may operate any combination of up to 276 hours per year of Cold Startup, 690 hours per year of Warm Idle, or 704 hours per year of natural gas Dry-Out as long as the emissions in the attached MAERT are not exceeded during each rolling 12-month period. Data for this shall be tracked as indicated by monitoring opening and closing of dampers in Special Condition No. 36.

16. Press Vent (EPN PRESSVENT) MSS: There shall be no more than 5 total press bypasses per day, and 50 per year.

17. Saw Line (EPN S-1) MSS: Saw Line must be shut down within 90 minutes of when the bypass damper opens for a maximum of 90 minutes bypass operation per day and 100 hours per year.

18. Raw Fuel Bin Baghouse (EPN S-3/4) MSS: Both the Dry Fines and Sawdust Transfer pneumatic conveyors must be shut down within 120 minutes of when the bypass dampers open for a maximum of 120 minutes bypass operations per day and 200 hours per year.

19. Only planned and routine MSS operations are authorized by this permit. Emissions resulting from any unscheduled and/or unplanned startup, shutdown activity associated with a malfunction (emissions event and/or upset) are not authorized by this permit, and must be included in any demonstration of compliance. Other MSS operations authorized by this permit include: baghouse bag changes, blowdown of the bark hog and bark entry box for EPN BARK, filter replacement for EPNs PB-1 and PB-2, paint booth floor cleanup for EPN PB-2, blowdown of the interior of the mill (blowdown material transferred to EPN FINES), dry ice blasting of the interior of the mill (only Carbon Dioxide emission from the ice blasting in EPN RCOPRESS/RTOPRESS and main building), removal of ash from EPN TOH-1 and blow out of the Hammermill (blow out material transferred to EPN FINES) prior to maintenance.

20. Disposal of baghouse dust must be accomplished in a manner that will prevent the dust from becoming airborne. Replaced or used bags shall be disposed of in a manner that will prevent any dust from becoming airborne. There shall be no outside storage of the baghouse dust unless in enclosed and/or covered containers.

    The holder of this permit shall maintain a sufficient supply of spare bags for all baghouses at all times on the plant site.

21. All permanent in-plant roads and parking areas shall be watered or paved and cleaned, as necessary, to ensure no visible emissions are observed leaving the plant boundary.

22. The RTOs shall be operated at a minimum of 1400^{o}F. The RCO shall be operated at a minimum of 800^{o}F.

23. The press vents and the unloader vent must be vented to RCOPRESS/RTOPRESS.

24. Each of the four dryers shall be vented to its own separate cyclone (for a total of four dryer cyclones) while each dryer cyclone shall be vented to its own WESP (for a total of four WESPs). At least three Dryer Regenerative Thermal Oxidizers (EPN RTO 1-5) shall be operated when all four dryers are operating or at least two RTOs when three or fewer dryers are operating. **(5/24)**

25. The main thermal oil heater, when firing wood fuel, shall be combined with the bark burner exhaust and then vented into the dryers and the emissions routed to the dryer RTOs. The main thermal oil heater can vent to the atmosphere through TOH-1 only when firing natural gas.

Bake-out Requirements for the RTO/RCO Equipment

26. Emissions during bake-outs shall be minimized by limiting the activity as follows: **(5/24)**

    A. The Press and/or Dryers shall not operate during a bake-out of their respective control equipment; and

    B. Periods of opacity greater than the limit for normal operation during bake-outs from the Press RTO/RCO (EPN RCOPRESS/RTOPRESS) and Dryer RTOs (EPN RTO1-5) are authorized for no more than 260 hours per RTO/RCO or RTO in a calendar year.

Initial Determination of Compliance

27. To demonstrate compliance with the Maximum Allowable Emission Rates Table and with emission performance levels as specified in the special conditions, the holder of this permit shall perform stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere. EPNs RTO1-5 shall be tested within 60 days of achieving maximum production, but no later than 180 days after the startup of the RTO. EPNs RTO1-5, RCOPRESS/RTOPRESS, S-2 and S-3/4 shall be tested within in 60 days after exceeding the daily production rate of 1,728,000 ft^2 on 3/8-inch OSB basis. Air contaminants from the EPNs RTO1-5 and RCOPRESS/RTOPRESS to be tested for include (but are not limited to) PM, PM_{10}, $PM_{2.5}$, NO_x, VOC, CO and HCHO. Air contaminants from EPNs S-2 and S-3/4 to be tested for include (but are not limited to) PM, PM_{10}, $PM_{2.5}$, VOC, HCHO, MeOH and additionally C_6H_5OH and MDI for EPN S-2. Sampling must be conducted in accordance with the TCEQ Sampling Procedures Manual or in accordance with the applicable EPA 40 CFR procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director prior to sampling. **(5/24)**

28. Existing or new stack sampling must be used to establish the minimum average hourly RTO/RCO central chamber temperature. The average hourly RTO/RCO central chamber temperature must be maintained at or above this temperature when associated production equipment is operational, unless future testing demonstrates compliance at a lower temperature.

Demonstration of Continuous Compliance

29. Continuous monitoring and recordkeeping of opacity shall be performed at the Dryer RTO Stacks (EPN RTO1-5) to also ensure that the thermal oil heaters comply with NSPS requirements. The holder of this permit shall install, calibrate, and maintain a continuous opacity monitoring system (COMS) for monitoring opacity. **(5/24)**

    A. The COMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in Performance Specification No. 1, 40 CFR Part 60, Appendix B.

    B. The COMS shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B or as specified by the TCEQ if not specified in Appendix B.

C. The opacity monitor shall complete a minimum of one cycle of data recording for each successive ten-second period. Six-minute averages shall be computed from at least 36 data points over a six-minute period. Data recorded during periods of COMS breakdowns, repairs, calibration checks, and zero span adjustments shall not be included in the computed data averages.

30. The holder of this permit shall install, calibrate, and maintain a device to monitor and record secondary voltage on the electrostatic precipitators. The monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 2% of reading; or ± 5% over its operating range.

The minimum secondary voltage shall be maintained at (or above) the value in accordance with the manufacturer's recommendation prior to the initial stack test performed in accordance with Special Condition No. 27. After the initial stack test has been completed, the secondary voltage shall be maintained at (or above) the minimum voltage levels achieved and maintained during the last satisfactory stack test. The actual secondary voltage shall be recorded at least once per day. **(12/20)**

31. The holder of this permit shall install, calibrate, and maintain a device to monitor and record the secondary current in the electrostatic precipitators. The monitoring device shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 1% of reading; or ± 5% over its operating range.

The minimum and maximum secondary current shall be maintained at the range in accordance with the manufacturer's recommendation prior to the initial stack test performed in accordance with Special Condition No. 27. After the initial stack test has been completed, the secondary current shall be maintained at (or above) and below the minimum and maximum secondary current levels achieved and maintained during the last satisfactory test. The actual secondary current shall be recorded at least once per day. **(12/20)**

32. The holder of this permit may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging times specified, 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). **(12/20)**

33. The holder of this permit shall perform monthly inspections to verify proper operation of the capture system to verify there are no holes, cracks, and/or other conditions that would reduce the collection efficiency of the emission capture system as represented. If the results of the inspections indicate that the capture system is not operating properly, the permit holder shall promptly take necessary corrective actions. **(12/20)**

34. The TCEQ Regional Office shall be notified as soon as possible after the discovery of any monitor malfunction that is expected to result in more than 24 hours of lost data. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director in case of extended monitor downtime. Necessary corrective action shall be taken if the downtime exceeds 5 percent of the dryers (EPN RTO1-5) and Press (EPN RCOPRESS/RTOPRESS) operating hours in the quarter. Failure to complete any corrective action as directed by the TCEQ Regional Office may be deemed a violation of the permit. **(5/24)**

35. In lieu of continuous CO and VOC monitors on EPN RTO1-5, and the continuous CO, VOC, PM/PM_{10}, and opacity monitors on RCOPRESS, the RTO and RCO central chamber temperatures and RTO/RCO inlet pressures shall be recorded at least every 15 minutes and archived in one-hour averages. The average hourly RTO and RCO central chamber temperatures must be maintained above the temperatures established during stack testing. The press and RCOPRESS/RTOPRESS system must operate under negative pressure measured as RTO and RCO inlet pressures during normal plant operation. Additionally, the status of bypass dampers and the operating status of the associated equipment (i.e. bark burner, dryers or press) must be continuously monitored and sufficient data recorded to establish each period that a bypass damper is open while the equipment is generating uncontrolled emissions. The number of dryers operated per RTO operated must not exceed the number maintained during stack testing. **(5/24)**

    Thermocouples used to measure RTO and RCO central chamber temperatures must be installed in the combustion chamber or immediately downstream of the combustion chamber, be accurate within ± 0.75 percent of the temperature being measured, expressed in degrees Fahrenheit or ± 4.5°F (2.5°C) and shall be validated in accordance with 40 CFR 63.2269(b)(4).

    The RTO and RCO inlet pressure sensors must be accurate to within 10 percent or two inches of water, whichever is greater, and must be calibrated annually.

    Catalyst analysis from the press RCO shall be completed annually consistent with 40 CFR 63 Subpart DDDD, if applicable.

36. If any opacity or parametric monitoring equipment 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/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.

37. The holder of this permit shall install, calibrate, and maintain a device to monitor and record pressure drop in the Saw Line Baghouse (EPN S-1), Aspiration System Baghouse (EPN S-2), Raw Fuel Bin Baghouse (EPN S-3/4), Material Reject Baghouse (EPN S-5), Tongue and Groove (T & G) Sander Dust Baghouse (EPN S-6B), Sander Dust Receiving Bin Baghouse (EPN S-7), Finish Fuel System Baghouse (EPN S-8) and Thermal Oil Heater Fuel System Baghouse (EPN S-9). The monitoring devices shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated at least annually and shall be accurate to within a range of ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.

    A minimum and maximum pressure drop shall be maintained in accordance with the manufacturer's specifications. The actual pressure drop shall be recorded at least once per day. **(12/20)**

38. Determination of compliance with this requirement for the RTO1-5 stack shall be determined based on data obtained from the continuous opacity monitor system (COMS). Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9. If the 10 percent opacity limit is exceeded, take immediate action to eliminate visible emissions, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Record Keeping Requirements. **(5/24)**

Contributions from uncombined water vapor shall not be included in determining compliance with this condition. Determination of compliance with this requirement shall be performed quarterly and the results recorded quarterly.

During periods of bake-out, opacity greater than the limit listed for normal operations shall be allowed provided that the conditions listed in the Bake-out Requirements for the RTO/RCO Equipment Section are met.

39. The holder of this permit shall conduct a quarterly visible emissions determination to demonstrate compliance with the opacity limitations specified in this permit for the Saw Line Baghouse Stack (EPN S-1), Aspiration System Baghouse Stack (EPN S-2), Raw Fuel Bin Baghouse Stack (EPN S-3/4), Material Reject Baghouse Stack (EPN S-5), Tongue and Groove (T & G) Sander Dust Collector Stack (EPN S-6B), Sander Dust Receiving Bin Baghouse Stack (EPN S-7), Finish Fuel System Baghouse Stack (EPN S-8), Thermal Oil Heater Fuel System Stack (EPN S-9) and Press RCO/RTO Stack (EPN RCOPRESS/RTOPRESS). This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), and 5) at least two stack heights, but not more than five stack heights, from the emission point. If visible emissions are observed from the emission point, the owner or operator shall:

    A. Take immediate action to eliminate visible emissions, record the corrective action within 24 hours, and comply with any applicable requirements in 30 Texas Administrative Code (TAC) § 101.201, Emissions Event Reporting and Record Keeping Requirements; or

    B. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9. If the opacity limit is exceeded, take immediate action (as appropriate) to reduce opacity to within the permitted limit, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Record Keeping Requirements. **(09/14)**

40. The holder of this permit shall conduct a quarterly visible emissions determination to demonstrate compliance with the visible fugitive emissions limitation specified in this permit from all the methylene-diphenyl-diisocyanate, phenol- formaldehyde resin, diesel, and gasoline storage tanks, as well as log processing, bark handling system, fuel handling areas including the conveyor systems, Paint Booth (EPN PB-1), and T & G Paint Booth (EPN PB-2). This visible fugitive emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), 5) at least 15 feet, but not more than 0.25 mile, from the plume, and 6) in accordance with EPA 40 CFR Part 60, Appendix A, Test Method 22, except where stated otherwise in this condition. If visible fugitive emissions leaving the property exceed 30 cumulative seconds in any six-minute period, the owner or operator shall take immediate action (as appropriate) to eliminate the excessive visible fugitive emissions. The corrective action shall be documented within 24 business hours of completion.

Sampling Requirements

41. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at their own expense. Sampling ports and platforms shall be incorporated into the design of the stack(s) according to the specifications set forth in the attachment entitled “Chapter 2, Stack Sampling Facilities” prior to stack sampling. Alternate

sampling facility designs may be submitted for approval by the TCEQ Regional Office with jurisdiction.

42. Sampling shall be conducted in accordance with the TCEQ Sampling Procedures Manual and EPA Test Methods in 40 CFR Part 60, Appendix A, and 40 CFR Part 51, Appendix M, as follows:

    A. Test Methods 1 through 4, as appropriate, for exhaust flow, diluent, and moisture concentration;

    B. Test Method 5 or 17, modified with a controlled condensate method subject to approval from the TCEQ prior to sampling, for the concentration of total PM;

    C. Test Method 5 or 17 for the filterable concentration of PM (front-half catch);

    D. Test Method 5 or 201A, for the filterable concentration of PM_{10} (front-half catch);

    E. Test Methods 201A and 202 (or Test Method 5), modified with a controlled condensate method subject to approval from the TCEQ prior to sampling, for the concentration of PM_{10} including back-half condensibles;

    F. Test Method 6, 6a, 6c, or 8 for the concentration of SO_2;

    G. Test Method 7E, or equivalent methods, for the concentrations of NO_x and O_2;

    H. Test Method 10 for the concentration of CO;

    I. Test Method 25A, modified to exclude methane and ethane, for the concentration of VOC (to measure total carbon as propane);

    J. Test Method 9 for opacity;

    K. Test Method 22 for fugitive emissions from materials sources and smoke emissions from flares; and

    L. Test Method 19 for applicable calculation methods.

43. 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.

44. 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.

45. 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.

46. During stack sampling emission testing, the facilities shall operate at maximum represented production rates. Primary operating parameters that enable determination of production rates shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. **(5/24)**

    If the plant is unable to operate at the maximum represented production rates during testing, then additional stack testing shall be required when the production rate exceeds the previous stack test production rate by +10 percent unless otherwise determined, in writing, by the TCEQ Executive Director.

47. 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.

48. 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.

49. If, as a result of stack sampling, compliance with the permitted emission rates cannot be demonstrated, the holder of this permit shall adjust any operating parameters so as to comply with Special Condition No. 1 and the permitted emission rates.

50. If the holder of this permit is required to adjust any operating parameters for compliance, then beginning no later than 60 days after the date of the test conducted, the holder of this permit shall submit to the TCEQ, on a monthly basis, a record of adjusted operating parameters and daily records of production sufficient to demonstrate compliance with the permitted emission rates. Daily records of production and operating parameters 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.

Recordkeeping Requirements

51. 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: **(5/24)**

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 (from 7:00 a.m. to 7:00 a.m.) times the finished area of the press (2,688 square feet) times the nominal thickness of the board produced and divided by 3/8-inch. These values should be summed for all thicknesses pressed in a given day to arrive at the daily production;

B. Daily, monthly and annual records of the MSS activities, including number of occurrences and duration;

C. Daily records of the number of hours of cold startup, warm idle, and dry out of the bark burner. A twelve month rolling average of the hours of operation of EPN ABRTSTK shall be maintained;

D. Daily records of both primary and secondary fuels combusted in the bark burner;

E. Quarterly observations for visible emissions and/or opacity determinations from the Dryer Regenerative Thermal Oxidizer (RTO) Stack (EPN RTO1-5), the Press RCO/RTO Stack (EPN RCOPRESS/RTOPRESS), the Thermal Oil Heater Bypass Stack (EPN TOH-1), Saw Line Baghouse Stack (EPN S-1), Aspiration System Baghouse Stack (EPN S-2), Raw Fuel Bin Baghouse Stack (EPN S-3/4), Material Reject Baghouse Stack (EPN S-5), T & G Sander Dust Baghouse Stack (EPN S-6B), Sander Dust Receiving Bin Baghouse Stack (EPN S-7), Finish Fuel System Baghouse Stack (EPN S-8) and Thermal Oil Heater Fuel System Baghouse Stack (EPN S-9);

F. Quarterly observations for visible emissions from the storage tanks for methylene-diphenyl-diisocyanate, phenol-formaldehyde resin, diesel, gasoline, Paint Booth (EPN PB-1) and T & G Paint Booth (EPN PB-2);

G. All the parametric and opacity data required under this permit, including sampling records;

H. Natural gas purchases or usage shall also be maintained at the plant site; and

I. Periods of each bake-out and cumulative sum of bake-out hours per calendar year

Additional Condition

52. The amendment application, PI-1 dated March 26, 2020, was determined not to be subject to major new source review by identifying projected actual emission rates for one or more facilities potentially affected by the project. Actual emissions from these facilities shall be monitored, recorded and reports made in accordance with 30 TAC § 116.127. **(12/20)**

53. The following referenced facilities are authorized by and operate per the criteria of the indicated Permit by Rule (PBR): **(12/20)**

Table 1: Permit by Rule Authorizations

Authorized Change	PBR Registration No.	Date issued
TechShield Process Line	48002	July 5, 2001
Wood Fuel Storage Piles and Handling Equipment	84470	April 18, 2008
Wood Reclamation System (Conveyor and Hopper)	115894	February 21, 2014

Authorized Change	PBR Registration No.	Date issued
Wax Tanks	106.472	----
Routine Maintenance, Startup, and Shutdown of Facilities	106.263	----
Replacement of Conveyors (EPN FINES)	106.264	----
Wet Fuel Bin Baghouse (S-10)	137622	January 8, 2016

Date: May 13, 2024

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 26002 and PSDTX888M2

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 (6)	
			lbs/hour	TPY (4)
RTO1-5 (7)	Dryer Regenerative Thermal Oxidizers Combined Exhaust Stack	VOC (as C_3H_8)	8.36	29.32
		NO_X	58.95	206.6
		SO_2	2.68	11.74
		PM	13.53	40.47
		PM_{10}	13.53	40.47
		$PM_{2.5}$	13.53	40.47
		CO	110.12	361.92
		HCHO	1.27	4.44
DRYER MSS1	Dryer 1 Bypass Stack	VOC (as C_3H_8)	33.75	3.38
		NO_X	2.92	0.29
		PM	3.71	0.37
		PM_{10}	3.71	0.37
		$PM_{2.5}$	3.71	0.37
		CO	22.08	2.21
		HCHO	1.89	0.19
DRYER MSS2	Dryer 2 Bypass Stack	VOC (as C_3H_8)	33.75	3.38
		NO_X	2.92	0.29
		PM	3.71	0.37
		PM_{10}	3.71	0.37
		$PM_{2.5}$	3.71	0.37
		CO	22.08	2.21

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		HCHO	1.89	0.19
RCOPRESS/RTOPRESS	Press RCO/RTO Stack	VOC (as C_3H_8)	4.09	15.08
		NO_X	25.03	63.52
		SO_2	0.01	0.04
		PM	4.34	16.01
		PM_{10}	4.34	16.01
		$PM_{2.5}$	4.34	16.01
		CO	11.35	41.9
		HCHO	1.77	6.54
		MDI	0.01	0.03
		C_6H_5OH	1.21	4.48
PRESSVENT MSS	Press Bypass Stack	VOC (as C_3H_8)	25.27	0.63
		NO_X	0.37	0.01
		SO_2	0.33	0.01
		PM	4.66	0.12
		PM_{10}	2.33	0.06
		$PM_{2.5}$	2.33	0.06
		CO	0.90	0.02
		HCHO	0.68	0.02
		MDI	0.12	<0.01
		C_6H_5OH	0.34	0.01
S-1	Saw Line Baghouse Stack	VOC	3.89	14.37
		PM (10)	1.15	5.02
		PM_{10} (10)	1.15	5.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$ (10)	1.15	5.02
S-1 MSS (8)	Saw Line Bypass (5)	PM (10)	8.06	0.40
		PM_{10} (10)	8.06	0.40
		$PM_{2.5}$ (10)	8.06	0.40
S-2	Aspiration System Baghouse Stack	VOC (C_3H_8)	12.35	45.6
		PM (10)	0.50	2.17
		PM_{10} (10)	0.50	2.17
		$PM_{2.5}$ (10)	0.50	2.17
		HCHO	0.41	1.50
		MDI	0.01	0.02
		MeOH	7.13	26.32
		C_6H_5OH	0.01	0.03
S-3/4	Raw Fuel Bin Baghouse Stack	VOC (C_3H_8)	5.92	21.88
		PM (10)	0.46	2.02
		PM_{10} (10)	0.46	2.02
		$PM_{2.5}$ (10)	0.46	2.02
		HCHO	0.03	0.13
		MeOH	0.14	0.53
S-3/4 MSS (8)	Raw Fuel Bin Bypass Stack	PM (10)	3.46	0.35
		PM_{10} (10)	3.46	0.35
		$PM_{2.5}$ (10)	3.46	0.35
S-5	Material Reject Baghouse Stack	VOC (C_3H_8)	3.09	11.4
		PM (10)	1.15	5.02
		PM_{10} (10)	1.15	5.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$ (10)	1.15	5.02
		HCHO	0.07	0.24
		MDI	<0.01	<0.01
		MeOH	0.33	1.23
		C_6H_5OH	<0.01	0.01
S-6B	Tongue And Groove Sander Dust Baghouse Stack	VOC (C_3H_8)	1.76	6.48
		PM (10)	0.90	3.94
		PM_{10} (10)	0.90	3.94
		$PM_{2.5}$ (10)	0.90	3.94
S-7	Sander Dust Receiving Bin Baghouse Stack	VOC (C_3H_8)	1.76	6.48
		PM (10)	0.02	0.07
		PM_{10} (10)	0.02	0.07
		$PM_{2.5}$ (10)	0.02	0.07
S-8	Finish Fuel System Baghouse Stack	VOC (C_3H_8)	6.82	25.17
		PM (10)	0.57	2.48
		PM_{10} (10)	0.57	2.48
		$PM_{2.5}$ (10)	0.57	2.48
		MeOH	0.08	0.30
S-9	Thermal Oil Heater Fuel System Baghouse Stack	VOC (C_3H_8)	1.14	4.20
		PM (10)	0.31	1.35
		PM_{10} (10)	0.31	1.35
		$PM_{2.5}$ (10)	0.31	1.35
		MeOH	0.01	0.05
R-1	PF Tank 1	HCHO	0.02	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
R-2	PF Tank 2	HCHO	0.02	0.01
R-3	MDI Tank 1	MDI	<0.01	<0.01
R-4	MDI Tank 2	MDI	<0.01	<0.01
T-1	Gasoline Tank	VOC	0.29	0.68
T-3	Diesel Tank	VOC	0.09	<0.01
F-1	Fuel Pile (5)	VOC	0.40	1.76
		PM	0.04	0.17
		PM_{10}	0.04	0.17
		$PM_{2.5}$	0.04	0.17
BARK	Bark Handling System (5)	PM	0.10	0.10
		PM_{10}	0.05	0.05
		$PM_{2.5}$	0.01	0.01
FINES	Excess Fuel System (5)	PM	0.04	0.09
		PM_{10}	0.02	0.04
		$PM_{2.5}$	<0.01	0.01
TOH-1 (9)	Thermal Oil Heater Bypass Stack	VOC (as C_3H_8)	0.17	0.76
		NO_X	3.14	13.74
		SO_2	0.02	0.08
		PM	0.24	1.04
		PM_{10}	0.24	1.04
		$PM_{2.5}$	0.24	1.04
		CO	2.64	11.54
FWP-1	Fire Water Pump	VOC	0.25	0.02
		NO_X	3.51	0.35

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		SO_2	1.23	0.12
		PM	0.33	0.03
		PM_{10}	0.33	0.03
		$PM_{2.5}$	0.33	0.03
		CO	1.25	0.12
PB-1	Paint Booth	VOC	1.26	2.75
		PM	1.26	2.77
		PM_{10}	1.26	2.77
		$PM_{2.5}$	1.26	2.77
PB-2	Tongue And Groove Paint Booth	VOC	1.46	3.19
		PM	0.65	1.42
		PM_{10}	0.65	1.42
		$PM_{2.5}$	0.65	1.42
ABRTSTK	Bark Burner Abort Stack	VOC	0.34	0.06
		NO_X	4.60	1.51
		SO_2	0.50	0.07
		PM	11.54	1.61
		PM_{10}	10.34	1.45
		$PM_{2.5}$	8.94	1.25
		CO	4.80	1.73

(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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented

Emission Sources - Maximum Allowable Emission Rates

PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCHO - formaldehyde
MDI - methylene-diphenyl-diisocyanate
MeOH - methanol
C_6H_5OH - 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) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit amendment issued on September 18, 2014.
(7) Maximum combined emissions for 5 RTOs.
(8) These are not additional EPNs but represent emissions from EPNs S-1 and S-3/4 during emergency shutdown.
(9) The Thermal Oil Heater vents to the atmosphere through this bypass stack only when firing natural gas. VOCs on this MAERT are quantified as propane (C_3H_8), where noted.
(10) Wood dust included.

Date: May 13, 2024