



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: BOISE CASCADE WOOD PRODUCTS, LLC
FACILITY NAME: THORSBY ENGINEERED WOOD PRODUCTS FACILITY
FACILITY/PERMIT NO.: 403-S006
LOCATION: THORSBY, CHILTON COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date:

Effective Date:

Expiration Date: March 11, 2025

Table of Contents

| | |
|--|-----------|
| GENERAL PERMIT PROVISOS..... | 1 |
| 1. <u>Transfer</u> | 1 |
| 2. <u>Renewals</u> | 1 |
| 3. <u>Severability Clause</u> | 1 |
| 4. <u>Compliance</u> | 1 |
| 5. <u>Termination for Cause</u> | 2 |
| 6. <u>Property Rights</u> | 2 |
| 7. <u>Submission of Information</u> | 2 |
| 8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u> | 2 |
| 9. <u>Certification of Truth, Accuracy, and Completeness</u> | 2 |
| 10. <u>Inspection and Entry</u> | 2 |
| 11. <u>Compliance Provisions</u> | 3 |
| 12. <u>Compliance Certification</u> | 3 |
| 13. <u>Reopening for Cause</u> | 4 |
| 14. <u>Additional Rules and Regulations</u> | 4 |
| 15. <u>Equipment Maintenance or Breakdown</u> | 5 |
| 16. <u>Operation of Capture and Control Devices</u> | 5 |
| 17. <u>Obnoxious Odors</u> | 6 |
| 18. <u>Fugitive Dust</u> | 6 |
| 19. <u>Additions and Revisions</u> | 6 |
| 20. <u>Recordkeeping Requirements</u> | 7 |
| 21. <u>Reporting Requirements</u> | 7 |
| 22. <u>Emission Testing Requirements</u> | 7 |
| 23. <u>Payment of Emission Fees</u> | 8 |
| 24. <u>Other Reporting and Testing Requirements</u> | 8 |
| 25. <u>Title VI Requirements (Refrigerants)</u> | 9 |
| 26. <u>Chemical Accidental Prevention Provisions</u> | 9 |
| 27. <u>Display of Permit</u> | 9 |
| 28. <u>Circumvention</u> | 10 |
| 29. <u>Visible Emissions</u> | 10 |
| 30. <u>Fuel-Burning Equipment</u> | 10 |
| 31. <u>Process Industries – General</u> | 10 |
| 32. <u>Averaging Time for Emission Limits</u> | 10 |
| 33. <u>Open Burning</u> | 10 |
| 34. <u>Permit Shield</u> | 11 |
| EMISSION UNIT NO. 001 (WOOD-FIRED BOILER)..... | 12 |
| Summary Page..... | 12 |
| Unit Specific Provisos..... | 13 |
| 1. <u>Applicability</u> | 13 |
| 2. <u>Emission Standards</u> | 13 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 14 |
| 4. <u>Emission Monitoring and Operating Limits</u> | 16 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 18 |

Table of Contents

| | |
|--|-----------|
| EMISSION UNIT NO. 002 (VENEER DRYER) | 22 |
| <i>Summary Page</i> | 22 |
| <i>Unit Specific Provisos</i> | 24 |
| 1. <u>Applicability</u> | 24 |
| 2. <u>Emission Standards</u> | 24 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 26 |
| 4. <u>Emission Monitoring</u> | 26 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 27 |
| EMISSION UNIT NO. 003 (LAMINATED VENEER LUMBER PRESS) | 30 |
| <i>Summary Page</i> | 30 |
| <i>Unit Specific Provisos</i> | 31 |
| 1. <u>Applicability</u> | 31 |
| 2. <u>Emission Standards</u> | 31 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 31 |
| 4. <u>Emission Monitoring</u> | 31 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 32 |
| EMISSION UNIT NO. 004 (COMPOSER, FEEDERLINE, AND FINISHING PROCESSES) | 33 |
| <i>Summary Page</i> | 33 |
| <i>Unit Specific Provisos</i> | 34 |
| 1. <u>Applicability</u> | 34 |
| 2. <u>Emission Standards</u> | 34 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 34 |
| 4. <u>Emission Monitoring</u> | 34 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 35 |
| EMISSION UNIT NO. 006 (SURFACE COATING OPERATIONS) | 36 |
| <i>Summary Page</i> | 36 |
| <i>Unit Specific Provisos</i> | 37 |
| 1. <u>Applicability</u> | 37 |
| 2. <u>Emission Standards</u> | 37 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 37 |
| 4. <u>Emission Monitoring</u> | 37 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 37 |
| EMISSION UNIT NOS. 008 AND 009 (EMERGENCY ENGINES) | 39 |
| <i>Summary Page</i> | 39 |
| <i>Unit Specific Provisos</i> | 40 |
| 1. <u>Applicability</u> | 40 |
| 2. <u>Emission Standards</u> | 40 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 41 |
| 4. <u>Emission Monitoring</u> | 42 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 42 |
| EMISSION UNIT NO. 010 (THERMAL OIL HEATER) | 44 |
| <i>Summary Page</i> | 44 |
| <i>Unit Specific Provisos</i> | 45 |
| 1. <u>Applicability</u> | 45 |

Table of Contents

| | |
|---|-----------|
| 2. <u>Emission Standards</u> | 45 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 46 |
| 4. <u>Emission Monitoring</u> | 47 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 47 |
| EMISSION UNIT NO. 011 (VENEER MOISTURE EQUALIZATION CHAMBER/AREA HEATERS)..... | 49 |
| <i>Summary Page</i> | 49 |
| <i>Unit Specific Provisos</i> | 50 |
| 1. <u>Applicability</u> | 40 |
| 2. <u>Emission Standards</u> | 40 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 41 |
| 4. <u>Emission Monitoring</u> | 42 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 42 |
| EMISSION UNIT NO. 012 (ADHESIVE STORAGE TANKS) | 51 |
| <i>Summary Page</i> | 51 |
| <i>Unit Specific Provisos</i> | 52 |
| 1. <u>Applicability</u> | 40 |
| 2. <u>Emission Standards</u> | 40 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 41 |
| 4. <u>Emission Monitoring</u> | 42 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 42 |
| EMISSION UNIT NO. 013 (LOG SOAKING VATS) | 53 |
| <i>Summary Page</i> | 53 |
| <i>Unit Specific Provisos</i> | 54 |
| 1. <u>Applicability</u> | 40 |
| 2. <u>Emission Standards</u> | 40 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | 41 |
| 4. <u>Emission Monitoring</u> | 42 |
| 5. <u>Recordkeeping and Reporting Requirements</u> | 42 |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p> | <p>ADEM Admin. Code r. 335-3-16-.02(6)</p> |
| <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> | <p>ADEM Admin. Code r. 335-3-16-.12(2)</p> |
| <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(e)</p> |
| <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|-------------------------------------|
| <p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> | ADEM Admin. Code r. 335-3-16-.05(h) |
| <p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> | ADEM Admin. Code r. 335-3-16-.05(i) |
| <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p> | ADEM Admin. Code r. 335-3-16-.05(j) |
| <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> | ADEM Admin. Code r. 335-3-16-.05(k) |
| <p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> | ADEM Admin. Code r. 335-3-16-.07(a) |
| <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> | ADEM Admin. Code r. 335-3-16-.07(b) |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>(a) Enter upon the permittee’s premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</p> <p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p> <p>(c) Inspect, at reasonable times, this facility’s equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p> | |
| <p>11. <u>Compliance Provisions</u></p> | |
| <p>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.07(c)</p> |
| <p>12. <u>Compliance Certification</u></p> | |
| <p>The permittee shall submit a complete and accurate compliance certification by May 11th of each year for each reporting period of this permit (March 12th – March 11th).</p> | <p>ADEM Admin. Code r. 335-3-16-.07(e)</p> |
| <p>(a) The compliance certification shall include the following:</p> <p>(1) The identification of each term or condition of this permit that is the basis of the certification;</p> <p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Air Division may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> | |

General Permit Provisos

Federally Enforceable Provisos

Regulations

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

and to:

Director, Air and EPCRA Enforcement Branch
EPA Region IV
61 Forsyth Street SW, Suite 9T43
Atlanta, GA 30303-8960

13. Reopening for Cause

Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:

- (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.
- (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.
- (c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

ADEM Admin. Code r. 335-3-16-.13(5)

14. Additional Rules and Regulations

This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.

§22-28-16(d), Code of Alabama 1975, as amended

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none">(1) Identification of the specific facility to be taken out of service as well as its location and permit number;(2) The expected length of time that the air pollution control equipment will be out of service;(3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;(5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p> | <p>ADEM Admin. Code r. 335-3-1-.07(1),(2)</p> |
| <p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p> | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |

General Permit Provisos

Federally Enforceable Provisos

Regulations

17. Obnoxious Odors

This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.

ADEM Admin. Code r.
335-3-1-.08

18. Fugitive Dust

- (a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.
- (b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:
 - (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;
 - (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
 - (3) By paving;
 - (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.

ADEM Admin. Code r.
335-3-4-.02

Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.

19. Additions and Revisions

Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.

ADEM Admin. Code r.
335-3-16-.13 and
335-3-16-.14

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>20. Recordkeeping Requirements</p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none">(1) The date, place, and time of all sampling or measurements;(2) The date analyses were performed;(3) The company or entity that performed the analyses;(4) The analytical techniques or methods used;(5) The results of all analyses; and(6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p> |
| <p>21. Reporting Requirements</p> <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p> |
| <p>22. Emission Testing Requirements</p> <p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> | <p>ADEM Admin. Code r. 335-3-1-.05(3); ADEM Admin. Code r. 335-3-1-.04(1)</p> |

| General Permit Provisos | |
|---|---|
| Federally Enforceable Provisos | Regulations |
| <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning). (c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.04</p> |
| <p>23. Payment of Emission Fees</p> <ul style="list-style-type: none"> (a) The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05. (b) The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05. | <p>ADEM Admin. Code r. 335-1-7-.05</p> <p>ADEM Admin. Code r. 335-1-7-.05</p> |
| <p>24. Other Reporting and Testing Requirements</p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p> | <p>ADEM Admin. Code r. 335-3-1-.04(1)</p> |

General Permit Provisos

Federally Enforceable Provisos

Regulations

25. Title VI Requirements (Refrigerants)

Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.

ADEM Admin. Code r. 335-3-16-.05(a)

No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.

ADEM Admin. Code r. 335-3-16-.05(a)

The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.

ADEM Admin. Code r. 335-3-16-.05(a)

26. Chemical Accidental Prevention Provisions

If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:

40 CFR Part 68

(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.

(b) The owner or operator shall submit one of the following:

(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.

27. Display of Permit

This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.

ADEM Admin. Code r. 335-3-14-.01(1)(d)

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p> | <p>ADEM Admin. Code r. 335-3-1-.10</p> |
| <p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p> | <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> |
| <p>30. <u>Fuel-Burning Equipment</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01.</p> | <p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p> |
| <p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04.</p> | <p>ADEM Admin. Code r. 335-3-4-.04</p> |
| <p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>33. <u>Open Burning</u></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.</p> | <p>ADEM Admin. Code r. 335-3-3-.01</p> |

General Permit Provisos

Federally Enforceable Provisos

Regulations

34. Permit Shield

A Permit Shield exists under this operating permit in accordance with ADEM Admin. Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in this operating permit.

ADEM Admin. Code r.
335-3-16-.10

Emission Unit No. 001 (Wood-fired Boiler)

Summary Page

Description: 61.77 MMBtu/hr wood-fired boiler with dual multiclone and Venturi wet scrubber

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|-----------------------|---|---|---|
| 001 | Wet scrubber exhaust | PM | 0.20 gr/dscf @ 50% excess air | ADEM Admin. Code r. 335-3-4-.08 |
| | | | 0.44 lb/MMBtu | 40 CFR §63.7500 [ADEM Admin. Code r. 335-3-11-.06(107)] |
| | | SO ₂ | 4.0 lb/MMBtu heat input | ADEM Admin. Code r. 335-3-5-.01 |
| | | VOC | N/A | N/A |
| | | NO _x | N/A | N/A |
| | | CO | 51.27 lb/hr | ADEM Admin. Code r. 335-3-15-.04 (SMS) |
| | | | 3500 ppmvd corrected to 3% oxygen | 40 CFR §63.7500 [ADEM Admin. Code r. 335-3-11-.06(107)] |
| | | HCl | 0.022 lb / MMBtu | 40 CFR §63.7500 [ADEM Admin. Code r. 335-3-11-.06(107)] |
| Mercury | 0.0000057 lb/MMBtu | 40 CFR §63.7500 [ADEM Admin. Code r. 335-3-11-.06(107)] | | |

Emission Unit No. 001 (Wood-fired Boiler)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| 1. <u>Applicability</u> | |
| (a) The permittee is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| (b) This unit is subject to a synthetic minor source emission limit established pursuant to ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration (PSD))." | ADEM Admin. Code r. 335-3-14-.04 |
| (c) This unit is subject to the applicable requirements to 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters at Major Sources, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions. | 40 CFR 63, Subpart DDDDD [ADEM Admin. Code r. 335-3-11-.06(107)]; 40 CFR 63, Subpart A |
| 2. <u>Emission Standards</u> | |
| (a) The permittee shall not cause or allow the carbon monoxide (CO) emissions from this unit to exceed 51.27 pound per hour (lb/hr). | ADEM Admin. Code r. 335-3-14-.04 |
| (b) The permittee shall not cause or allow the CO emissions from this unit to exceed 3,500 parts per million (ppm) by volume on a dry basis corrected to 3 percent oxygen, averaged over three (3) 1 hour minimum sampling time runs. | 40 CFR §63.7500; 40 CFR 63, Subpart DDDDD, Table 2 |
| (c) The permittee shall not cause or allow the particulate emissions (as TSP) from this unit to exceed 0.20 grains per dry standard cubic foot (gr/dscf), adjusted to fifty percent (50%) excess air. | ADEM Admin. Code r. 335-3-4-.08(2)(d) |
| (d) The permittee shall not cause or allow the filterable particulate matter emissions from this unit to exceed 0.44 pounds per million BTU heat input (lb/MMBtu). | 40 CFR §63.7500; 40 CFR 63, Subpart DDDDD, Table 2 |
| (e) The permittee shall not cause or allow the sulfur dioxide (SO ₂) emissions from this unit to exceed 4.0 lb/MMBtu. | ADEM Admin. Code r. 335-3-5-.01(b) |
| (f) The permittee shall not cause or allow the hydrogen chloride (HCl) emissions from this unit to exceed 0.022 lb/MMBtu. | 40 CFR §63.7500; 40 CFR 63, Subpart DDDDD, Table 2 |
| (g) The permittee shall not cause or allow the mercury (Hg) emissions from this unit to exceed 0.0000057 lb/MMBtu. | 40 CFR §63.7500; 40 CFR 63, Subpart DDDDD, Table 2 |

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) The carbon monoxide (CO) emission rate shall be measured in accordance with Method 10 at 40 CFR Part 60, Appendix A. An alternate method may be utilized provided prior approval is granted by the Air Division.</p> <p>(b) The particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. An alternate method may be utilized provided prior approval is granted by the Air Division.</p> <p>(c) Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</p> <p>(d) The hydrogen chloride emission rate from this unit shall be determined in accordance with Method 26 or 26A at 40 CFR Part 60, Appendix A. An alternate method may be utilized provided prior approval is granted by the Air Division.</p> <p>(e) The mercury emission rate from this unit shall be determined in accordance with Method 29, 30A, or 30B at 40 CFR Part 60, Appendix A. An alternate method may be utilized provided prior approval is granted by the Air Division.</p> <p>(f) If testing is required, the sulfur dioxide emission rate shall be measured in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A. An alternate method may be utilized provided prior approval is granted by the Air Division.</p> <p>(g) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> <p>(h) The permittee shall conduct a performance tune-up of this boiler on an annual basis. The initial tune-up was conducted on November 5, 2015. Each subsequent tune-up shall be conducted no more than 13 months after the previous tune-up. If this unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. Each tune-up shall be conducted in accordance with the requirements of 40 CFR §63.7540(a)(10), which include, as applicable:</p> | <p>ADEM Admin. Code r. 335-3-1-.05; 40 CFR 63, Subpart DDDDD, Table 5</p> <p>ADEM Admin. Code r. 335-3-1-.05; 40 CFR 63, Subpart DDDDD, Table 5</p> <p>ADEM Admin. Code r. 335-3-1-.05; 40 CFR 63, Subpart DDDDD, Table 5</p> <p>ADEM Admin. Code r. 335-3-1-.05; 40 CFR 63, Subpart DDDDD, Table 5</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>40 CFR §63.7515(d); 40 CFR §63.7540; 40 CFR 63, Subpart DDDDD, Table 3</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(1) Inspect the burner and clean or replace any components of the burner, as necessary;</p> <p>(2) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment shall be consistent with the manufacturer's specifications, if available;</p> <p>(3) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly;</p> <p>(4) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available and with any NO_x requirement to which the unit is subject;</p> <p>(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made);</p> <p>(6) Maintain on-site and submit a report containing the following information:</p> <ul style="list-style-type: none"> a. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler. b. A description of any corrective actions taken as a part of the tune-up of the boiler. c. The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. <p>(i) At all times, the permittee must operate and maintain this boiler, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.</p> <p>(j) The permittee must demonstrate initial compliance according to applicable requirements listed in 40 CFR §63.7510.</p> <p>(k) The permittee must conduct all applicable performance tests according to 40 CFR §63.7520 on an annual basis except as specified below:</p> <ul style="list-style-type: none"> (1) Annual performance tests must be completed no more than 13 months after the previous performance test | <p>40 CFR §63.7500(a)(3)</p> <p>ADEM Admin. Code r. 335-3-11-.06[107]</p> <p>40 CFR §63.7515</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(2) If performance tests for a given pollutant for a least 2 consecutive years show that your emissions are at or below 75 percent of the emission limit for the pollutant and there are no changes in the operation or air pollution control equipment that could increase emissions:</p> <ul style="list-style-type: none"> a. You may choose to conduct performance tests for the pollutant every third year; b. Each such performance test must be conducted no more than 37 months after the previous performance test; c. If a performance test shows emissions exceeded the emission limit or 75 percent of the emission limit for a pollutant, the permittee must conduct annual performance tests for that pollutant until all performance tests over a consecutive 2-year period meet the required level (at or below 75 percent of the emission limit). | <p>40 CFR §63.7515(b) and (c)</p> |
| <p>(l) The permittee must establish applicable site-specific operating limits according to 40 CFR §63.7520 and Table 7 to 40 CFR 63, Subpart DDDDD.</p> | <p>40 CFR §63.7530(b)</p> |
| <p>4. <u>Emission Monitoring and Operating Limits</u></p> | |
| <p>(a) The permittee shall conduct an emission test at least once per calendar year to determine compliance with the CO emission standard. The emission testing shall be conducted with at least 10 months, but no more than 14 months, elapsing between tests unless an extension of time is specifically approved by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(b) The permittee shall monitor this unit utilizing a portable emission analyzer to determine the CO and O₂ concentration of the wet scrubber's inlet at least once each calendar month with no less than 15 days elapsing between tests unless an extension of time is specifically approved by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>(c) If the concentration value determined during monthly CO monitoring exceeds 840 ppmv @ 8% O₂, the permittee shall conduct an investigation within 24 hours to determine the cause and corrective action for the elevated CO emissions. The corrective action shall be completed as soon as practicable. Within 24 hours of completing the corrective action, the permittee shall repeat the CO monitoring in accordance with the procedures prescribed in Proviso 4(b) above. If the CO concentration has returned to a value at or below 840 ppmv @ 8% O₂, no further action shall be required and monitoring shall resume the next calendar month. If the CO concentration value remains above 840 ppmv @ 8% O₂, the permittee shall conduct a CO emissions compliance test within 60 calendar days utilizing EPA Reference Method 10 found at 40 CFR Part 60, Appendix A.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(d) For the wet particulate matter scrubber control, the permittee must maintain the 30-day rolling average pressure drop and the 30-day rolling average liquid flow rate at or above the lowest one-hour average pressure drop and the lowest one-hour average liquid flow rate, respectively, measured during the performance test demonstrating compliance with the PM, Hg, and HCl emission limitation.</p> | <p>40 CFR §63.7530(b); 40 CFR 63, Subpart DDDDD, Table 7</p> |
| <p>(e) The permittee must maintain the 30-day rolling average operating load of the boiler such that it does not exceed 110 percent of the highest hourly average operating load recorded during the performance test.</p> | <p>40 CFR §63.7530(b); 40 CFR 63, Subpart DDDDD, Table 7</p> |
| <p>(f) The permittee must maintain the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the CO performance test.</p> | <p>40 CFR §63.7525(a); 40 CFR 63, Subpart DDDDD, Table 7</p> |
| <p>(g) The permittee must maintain the 30-day rolling average of the pressure drop and liquid flow rate above the minimums measured during the performance test.</p> | <p>40 CFR §63.7530(b); 40 CFR 63, Subpart DDDDD, Table 7</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>(h) If the scrubber flow rate to the wet scrubber or the pressure drop across the wet scrubber falls below the established monitoring parameter threshold, the permittee shall restore operation of the unit to its normal manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown, or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the established monitoring parameter threshold. Determination of whether the permittee has used acceptable procedures in response to an excursion or exceedance shall be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> | <p>40 CFR §§63.8 and 63.6</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) All required records shall be maintained in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c); 40 CFR §63.7560</p> |

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>(b) The permittee shall maintain records of all emission monitoring performed to include:</p> <ol style="list-style-type: none"> (1) Collecting operating load data or steam generation every 15 minutes and the calculated 30-day rolling averages; (2) All monitoring data and values collected/calculated during the scheduled monthly CO monitoring as well as CO monitoring conducted following a corrective action; (3) The date, time, nature, and results of any investigation conducted as a result of monthly CO emission monitoring or when excursions from an emission monitoring parameter threshold were observed; (4) The date(s), nature, and results of any corrective action taken as a result of an investigation conducted as a result of monthly CO emission monitoring or when excursions from an emission monitoring parameter threshold were observed; (5) Scrubber liquid flow and pressure drop monitor readings and the calculated 3-hour block averages and 30-day rolling averages; (6) Continuous monitoring of the oxygen content using the oxygen analyzer system and the calculated 30-day rolling averages; (7) The date and results of the annual calibrations of the scrubber liquid flow and pressure drop monitors; (8) The date(s) the control device was inspected for proper operation and, if the results of the inspection indicated that cleaning or emission-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed. | <p>ADEM Admin. Code r. 335-3-16-.05(c); 40 CFR 63, Subpart DDDDD, Table 8</p> |
| <p>(c) The permittee shall maintain records indicating the date, quantity, and duration of used oil burned.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(d) The permittee shall maintain records of monthly fuel use by the boiler, including the type(s) of fuel and the amount(s) used.</p> | <p>40 CFR §63.7555(d)(1)</p> |
| <p>(e) The permittee shall report the results of performance tests and the associated fuel analyses within 60 days after the completion of the performance tests. This report must also verify that the operating limits for the boiler have not changed or provide documentation of revised operating limits established according to 40 CFR §63.7530 and Table 7 to Subpart DDDDD, as applicable. The reports for all subsequent performance tests must include all applicable information required in 40 CFR §63.7550</p> | <p>40 CFR §63.7515(f)</p> |

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>(f) The permittee shall maintain on-site and submit, if requested by the Administrator, an annual report pertaining to the tune-up containing the information in 40 CFR §63.7540 (a)(10)(vi)(A) through (C).</p> | <p>40 CFR §63.7540</p> |
| <p>(g) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for this emission unit:</p> <ol style="list-style-type: none"> (1) A statement describing the emission monitoring that was required during the reporting period, whether all emission monitoring was completed as required, and if not, the date(s) and reasons(s) why the monitoring was not performed; (2) A statement as to whether the annual inspection of the control device or annual calibrations of the scrubber liquid flow and pressure drop monitors were accomplished during the reporting period, and if so, the date and results of the inspection(s); and (3) The date(s), nature, and results of any corrective action taken when (1) a deviation from an emission monitoring parameter was observed or (2) an inspection of the control device indicated that cleaning or emission-related maintenance was needed. | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(h) A Semiannual Compliance Report (SCR), shall be submitted no later than 30 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include but is not limited to the following information for this emission unit:</p> | <p>40 CFR §63.7550(a), (b), and (c)</p> |
| <ol style="list-style-type: none"> (1) If there are no deviations from any emission limitation (emission limit and operating limit) that applies to you and there are no deviations from the requirements for work practice standards for periods of startup and shutdown in Table 3 to this subpart that apply to you, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period. If there were no periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in 40 CFR §63.8(c)(7), a statement that there were no periods during which the CMSs were out-of-control during the reporting period; and | <p>40 CFR 63, Subpart DDDDD, Table 9</p> |

| Federally Enforceable Provisos | Regulations |
|---|-------------|
| <p>(2) If you have a deviation from any emission limitation (emission limit and operating limit) where you are not using a CMS to comply with that emission limit or operating limit, or a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in 40 CFR §63.7550(d); and</p> <p>(3) If there were periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in 40 CFR §63.8(c)(7), or otherwise not operating, the report must contain the information in 40 CFR §63.7550(e)</p> | |

Emission Unit No. 002 (Veneer Dryer)

Summary Page

Description: Coe steam-heated veneer dryer with heated zones exhausted to a regenerative catalytic oxidizer/regenerative thermal oxidizer (RCO/RTO)

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|-----------------|----------------------|--|--|
| 002 | RCO/RTO Exhaust | TSP | $E = 3.59(P)^{0.62}$ | ADEM Admin. Code r. 335-3-4-.04(1) |
| | | TSP/PM ₁₀ | 6.16 lb/hr | ADEM Admin. Code r. 335-3-14-.04 (SMS) |
| | | VOC | N/A | N/A |
| | | HAP | Reduce emissions of total HAP, measured as THC (as carbon), by 90 percent; or Limit emissions of total HAP, measured as THC (as carbon), to 20 ppmvd; or Reduce methanol emissions by 90 percent; or Limit methanol emissions to less than or equal to 1 ppmvd if uncontrolled methanol emissions entering the control device are greater than or equal to 10 ppmvd; or Reduce formaldehyde emissions by 90 percent; or Limit formaldehyde emissions to less than or equal to 1 ppmvd if uncontrolled formaldehyde emissions entering the control device are greater than or equal to 10 ppmvd | 40 CFR §63.2240 [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(81)] |
| | | NO _x | N/A | N/A |
| | | CO | N/A | N/A |

| | | | | |
|---------|---|-----|-----------------------------|--|
| 002-FUG | Green End and Doors of Veneer Dryer | HAP | Minimize fugitive emissions | 40 CFR §63.2241 [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(81)] |
|---------|---|-----|-----------------------------|--|

Emission Unit No. 002 (Veneer Dryer)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>1. <u>Applicability</u></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This process is subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD, and to the NESHAP General Provisions, 40 CFR Part 63, Subpart A as provided in 40 CFR §63.2290 and Table 10 of Subpart DDDD.</p> <p>(c) This unit is subject to a synthetic minor source emission limit established pursuant to ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration (PSD))."</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or permit the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62}$ <p>where E = Emissions in pounds per hour</p> <p>P = Process weight in tons per hour</p> <p>(b) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this process. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this process.</p> <p>(c) The permittee shall not cause or allow the aggregate emissions of total particulate matter (as TSP) from this process to exceed 6.16 lb/hr.</p> <p>(d) The permittee shall not cause or allow the aggregate emissions of coarse particulate matter (as PM₁₀) from this process to exceed 6.16 lb/hr.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); ADEM Admin. Code r. 335-3-11-.06(1); 40 CFR 63, Subpart DDDD; 40 CFR 63, Subpart A</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> <p>ADEM Admin Code r. 335-3-4-.01</p> <p>ADEM Admin Code r. 335-3-14-.04</p> <p>ADEM Admin Code r. 335-3-14-.04</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(e) Compliance Option: In accordance with 40 CFR §63.2240(b) and Table 1B to Subpart DDDD, the permittee shall route the exhaust from the heated zones of the dryer to the control device and shall comply with Subpart DDDD by one or more of the following options:.</p> <p>(1) Reduce emissions of total HAP, measured as THC (as carbon), by 90 percent; or</p> <p>(2) Limit emissions of total HAP, measured as THC (as carbon), to 20 ppmvd; or</p> <p>(3) Reduce methanol emissions by 90 percent; or</p> <p>(4) Limit methanol emissions to less than or equal to 1 ppmvd if uncontrolled methanol emissions entering the control device are greater than or equal to 10 ppmvd; or</p> <p>(5) Reduce formaldehyde emissions by 90 percent; or</p> <p>(6) Limit formaldehyde emissions to less than or equal to 1 ppmvd if uncontrolled formaldehyde emissions entering the control device are greater than or equal to 10 ppmvd.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(f) Operating Requirement (RCO Mode): The permittee shall maintain the 3-hour block average catalytic oxidizer temperature at or above the minimum established according to 40 CFR §63.2262 and check the activity level of a representative sample of the catalyst at least every 12 months.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(g) Operating Requirement (RTO Mode): The permittee shall maintain the 3-hour block average firebox temperature at or above the minimum established according to 40 CFR §63.2262.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(h) Work Practice Requirement: In accordance with 40 CFR §63.2241 and Table 3 to Subpart DDDD, the permittee shall minimize fugitive emissions from the veneer dryer doors through proper maintenance procedures and from the green end of the dryers through proper balancing of the heated zone exhausts.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(i) The permittee shall comply with the compliance options, operating requirements, and work practice requirements in Subpart DDDD at all times, except during periods of process unit or control device startup, shutdown, and malfunction; prior to process unit initial startup; and during the routine control device maintenance exemption [RCDME] specified in 40 CFR §63.2251 (a copy of the permittee's approved RCDME plan is attached to this permit). The compliance options, operating requirements, and work practice requirements do not apply during times when the process is not operating, or during periods of startup, shutdown, and malfunction. Startup and shutdown periods must not exceed the minimum amount of time necessary for these events.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(j) The permittee shall always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR §63.6(e)(1).</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> | |
| <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A or 40 CFR 51, Appendix M, Method 201 or 201A, as appropriate. Alternate test methods may be used provided prior approval by the Department is granted.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>(b) If testing is required, visible emissions from this process shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>(c) When required, the permittee shall conduct each performance test to determine compliance with 40 CFR 63, Subpart DDDD, according to the requirements in 40 CFR §63.7(e)(1), the requirements in paragraphs (b) through (o) of 40 CFR §63.2262, and according to the methods specified in Table 4 to Subpart DDDD.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>4. <u>Emission Monitoring</u></p> | |
| <p>(a) If the permittee plans to operate the control device in the RTO mode for greater than 90 days, the permittee shall conduct a performance test in the RTO mode to determine compliance with at least one of the compliance options and establish the site-specific operating requirement (i.e. the 3-hour block average firebox temperature for the control device) according to the requirements in 40 CFR §63.2262 and Table 4 to Subpart DDDD.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(b) The permittee shall install, operate, and maintain a monitoring device for the catalytic oxidizer temperature or the RTO firebox temperature, as applicable, according to the applicable requirements listed in 40 CFR §63.2269(a) through (b).</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>(c) The permittee shall monitor and collect data for the catalytic oxidizer temperature or RTO firebox temperature of the control device, as applicable, according to the applicable requirements listed in 40 CFR §63.2270 and Table 7 of Subpart DDDD.</p> <p>(d) The permittee shall reduce the catalytic oxidizer temperature or RTO firebox temperature monitoring system data to the specified averages in units of the applicable requirement according to calculations in 40 CFR §63.2270.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) The permittee shall maintain all of the applicable records specified in 40 CFR §63.2282 and Tables 7, 8, and 10 to Subpart DDDD. These records include, but may not be limited to:</p> <ol style="list-style-type: none"> (1) A copy of each notification and report submitted to comply with 40 CFR 63, Subparts A and DDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status; (2) Records specified in 40 CFR §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction; (3) Documentation of the approved routine control device maintenance exemption under 40 CFR §63.2251; (4) Records of performance tests and performance evaluations; (5) Records of the operating parameter monitoring system data and the calculated 3-hour block averages; (6) Records of annual catalyst activity checks and subsequent corrective actions; and (7) Records showing that the plan for minimizing fugitive emissions is being followed. (8) These records shall be in a form suitable and readily available for an expeditious review. Each record shall be retained for a period of 5 years from the date of generation of each record. Each record shall be retained on-site for at least 2 years from the date of generation of each record, and may be retained off-site for the remaining 3 years. | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(b) The records required by 40 CFR §63.2282 for the temperature monitoring of the control device shall indicate the operating mode of the control device (i.e. RTO or RCO) for each 3-hour block average calculated.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>(c) The permittee shall submit all of the applicable notifications specified in 40 CFR §63.2280. These notifications include, but may not be limited to:</p> <p>(1) The permittee shall submit a written notification of the intent to conduct a performance test to the Air Division at least 60 days prior to conducting a performance test. The notification shall include a copy of the site-specific test plan required by 40 CFR §63.7(c)(2).</p> <p>(2) The permittee shall submit a written notification of the intent to conduct a performance evaluation of the continuous monitoring system to the Air Division at least 60 days prior to conducting a performance evaluation. The notification shall include a copy of the site-specific performance evaluation test plan required by 40 CFR §63.8(e)(3).</p> <p>(3) The permittee shall submit a written notification of the intent to modify or replace the control system for these sources to the Air Division at least 30 days prior to taking any action.</p> <p>(4) The permittee shall submit a written notification of the intent to change the continuous monitoring parameter or the value or range of values of a continuous monitoring parameter for these sources or their control device to the Air Division at least 30 days prior to making any change.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |
| <p>(d) In accordance with 40 CFR §63.2250(c) and Table 10 to Subpart DDDD, the permittee shall develop, implement, and maintain a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR §63.6(e)(3).</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81) 40 CFR 63, Subpart DDDD</p> |
| <p>(e) Until such time as the permittee conducts a performance test of the control device in the RTO mode, the permittee shall provide notification to the Air Division for each instance that the control device is operated in RTO mode. For a planned conversion from operating the control device in the RCO mode to the RTO mode, the permittee shall notify the Air Division at least two working days prior to changing the operating mode. The notification shall indicate the reason(s) for the change and the expected duration for the change. In the event of an unforeseen conversion from operating the control device in the RCO mode to the RTO mode, the permittee shall notify the Air Division within two working days of changing the operating mode. The notification shall indicate the reason(s) for the change and the projected duration for the change. For either type of event, the permittee shall notify the Air Division within two working days of returning the control device to the RCO operating mode.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(f) The permittee shall submit all of the applicable reports specified in 40 CFR §63.2281, 40 CFR §63.2271 and Table 9 to Subpart DDDD. These reports include, but may not be limited to:</p> <p>(1) The permittee shall submit a semiannual compliance report which contains the information in 40 CFR §63.2281(c) through (g), as applicable. Each semiannual report shall be submitted no later than 30 days after the end of each reporting period (January 1st - June 30th and July 1st - December 31st).</p> <p>(2) The permittee shall submit an immediate startup, shutdown, and malfunction report if a startup, shutdown, or malfunction occurs during a reporting period that is not consistent with the permittee's SSMP.</p> <p style="padding-left: 40px;">a. Initially, a report shall be submitted by fax or telephone within 2 working days after starting actions inconsistent with the SSMP and shall identify the nature of the event and the actions taken.</p> <p style="padding-left: 40px;">b. Subsequently, a report shall be submitted by letter within 7 working days after the end of the event (unless alternative arrangements have been approved by the Air Division) and shall contain the information specified in 40 CFR §63.10(d)(5)(ii).</p> <p>(g) The semiannual report required by 40 CFR §63.2281 shall include the date(s), reason(s), and duration for each period that the control device was operated in the RTO mode during the respective reporting period.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-16-.05</p> |

Emission Unit No. 003 (Laminated Veneer Lumber Press)

Summary Page

Description: Oil-heated laminated veneer lumber (LVL) press

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|---|------------------|-----------------------|------------------------------------|
| 003 | LVL Press Exhaust | PM | $E = 3.59(P)^{0.62}$ | ADEM Admin. Code r. 335-3-4-.04(1) |
| | | VOC | N/A | N/A |
| | | HAP | N/A | N/A |
| 004C | Baghouse (SN-03) exhaust (shared with EU-003) | PM | $E = 3.59(P)^{0.62}$ | ADEM Admin. Code r. 335-3-4-.04(1) |

Emission Unit No. 003 (Laminated Veneer Lumber Press)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>1. <u>Applicability</u></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This process is an affected source under the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD; 40 CFR 63, Subpart A</p> |
| <p>2. <u>Emission Standards</u></p> <p>The permittee shall not cause or permit the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62}$ <p>where E = Emissions in pounds per hour</p> <p>P = Process weight in tons per hour</p> | <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</p> <p>(c) If testing is required, the VOC emission rate shall be determined in accordance with Method 25A at 40 CFR Part 60, Appendix A.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>4. <u>Emission Monitoring</u></p> <p>(a) While the process is operating, someone familiar with the process shall observe the baghouse at least daily during daylight hours for any emissions.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>(b) Whenever visible emissions are observed, corrective action to minimize emissions shall be initiated within 24 hours, followed by an additional observation to confirm that emissions have been eliminated.</p> <p>(c) The baghouse shall be inspected for proper operation at least annually, but more frequently if visible emissions are observed. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated within 24 hours of completing the inspection.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) The permittee shall maintain records of emission monitoring performed in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <ol style="list-style-type: none"> (1) The date, time, and results of each daily observation for visible emissions; (2) The date(s), nature, and results of any corrective action taken when visible emissions were observed; (3) The date(s) each baghouse was inspected for proper operation and, if the results of the inspection indicated that cleaning or emissions-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed. <p>(b) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for this emission unit:</p> <ol style="list-style-type: none"> (1) A statement describing the emission monitoring that was required during the reporting period, whether all emission monitoring was completed as required, and if not, the date(s) and reasons(s) why the monitoring was not performed; (2) A statement as to whether the annual inspection of the baghouse was accomplished during the reporting period, and if so, the date and results of the inspection; (3) The date(s), nature, and results of any corrective action taken when (1) visible emissions were observed or (2) an inspection of the baghouse indicated that cleaning or emissions-related maintenance was needed. | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 004 (Composer, Feederline, and Finishing processes)

Summary Page

Description:

Composer with cyclone venting to Baghouse SN-02

Feederline aspirated by Baghouse SN-03 and Baghouse SN-02

Finishing processes venting to Baghouse SN-01 and Baghouse SN-02

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|---|------------------|-----------------------|------------------------------------|
| 004A | Baghouse (SN-01) exhaust | PM | $E = 3.59(P)^{0.62}$ | ADEM Admin. Code r. 335-3-4-.04(1) |
| 004B | Baghouse (SN-02) exhaust | PM | $E = 3.59(P)^{0.62}$ | ADEM Admin. Code r. 335-3-4-.04(1) |
| 004C | Baghouse (SN-03) exhaust (shared with EU-003) | PM | $E = 3.59(P)^{0.62}$ | ADEM Admin. Code r. 335-3-4-.04(1) |

Emission Unit No. 004 (Composer, Feederline, and Finishing processes)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>1. <u>Applicability</u></p> <p>(a) These processes are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These processes are an affected source under the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD; 40 CFR 63, Subpart A</p> |
| <p>2. <u>Emission Standards</u></p> <p>The permittee shall not cause or permit the emission of particulate matter in any one hour from these processes in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62}$ <p>where E = Emissions in pounds per hour</p> <p>P = Process weight in tons per hour</p> | <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</p> <p>(c) If testing is required, the volatile organic emissions from these processes shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 25A</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>4. <u>Emission Monitoring</u></p> <p>(a) While these processes are operating, someone familiar with the process shall observe the baghouses at least daily during daylight hours for any emissions.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>(b) Whenever visible emissions are observed, corrective action to minimize emissions shall be initiated within 24 hours, followed by an additional observation to confirm that emissions have been eliminated.</p> <p>(c) The baghouses shall be inspected for proper operation at least annually, but more frequently if visible emissions are observed. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated within 24 hours of completing the inspection.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records of emission monitoring performed shall be maintained in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <ol style="list-style-type: none"> (1) The date, time, and results of each daily observation for visible emissions; (2) The date(s), nature, and results of any corrective action taken when visible emissions were observed; (3) The date(s) each baghouse was inspected for proper operation and, if the results of the inspection indicated that cleaning or emissions-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed. <p>(b) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for this emission unit:</p> <ol style="list-style-type: none"> (1) A statement describing the emission monitoring that was required during the reporting period, whether all emission monitoring was completed as required, and if not, the date(s) and reasons(s) why the monitoring was not performed; (2) A statement as to whether the annual inspection of the baghouse was accomplished during the reporting period, and if so, the date and results of the inspection; (3) The date(s), nature, and results of any corrective action taken when (1) visible emissions were observed or (2) an inspection of the baghouse indicated that cleaning or emissions-related maintenance was needed. | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 006 (Surface Coating Operations)
Summary Page

Description: Header Line surface coating operations

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|---|------------------|-------------------------|---|
| 006A | Header line Surface Coating (Spray booth – sealer and ink jet labeling) | HAP | Use of Non-HAP Coatings | 40 CFR Part 63, Subpart DDDD [adopted by reference at ADEM Admin. Code r.335-3-11-.06(81)] |
| | | VOC | N/A | N/A |
| 006B | Header line Surface Coating (Ink jet marking – labeling) | HAP | Use of Non-HAP Coatings | 40 CFR Part 63, Subpart DDDD [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(81)] |
| | | VOC | N/A | N/A |

Emission Unit No. 006 (Surface Coating Operations)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>1. <u>Applicability</u></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This process is subject to the applicable requirements of 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD. The Header Line Surface Coating Operations each meet the definition of a Group 1 Miscellaneous Coating Operation.</p> <p>2. <u>Emission Standards</u></p> <p>The permittee shall only use non-HAP coatings, as defined in 40 CFR §63.2292, for the Group 1 Miscellaneous Coating Operations (i.e. Header Line Surface Coating Operations). Non-HAP coating means a coating with HAP contents below 0.1 percent by mass for OSHA-defined carcinogens as specified in 29 CFR §1910.1200(d)(4), and below 1.0 percent by mass for other HAP compounds.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no applicable compliance or performance test methods or procedures for these operations.</p> <p>4. <u>Emission Monitoring</u></p> <p>For the Group 1 Miscellaneous Coating Operations, the permittee shall use only non-HAP coatings as defined in 40 CFR §63.2292 in these operations.</p> <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) For the Group 1 Miscellaneous Coating Operations, the permittee shall maintain records (e.g. material safety data sheets) showing that the coatings used in these operations are non-HAP coatings as defined in 40 CFR §63.2292.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD; 40 CFR 63, Subpart A</p> <p>ADEM Admin. Code r. 335-3-11-.06(81)</p> <p>ADEM Admin. Code r. 335-3-11-.06(81)</p> <p>ADEM Admin. Code r. 335-3-11-.06(81)</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(b) The permittee shall submit a semiannual compliance report no later than 60 days after the end of each reporting period (January 1st - June 30th and July 1st - December 31st). The report shall indicate whether the coatings utilized in the Group 1 Miscellaneous Coating Operations during the reporting period were non-HAP coatings as defined in 40 CFR §63.2292.</p> | <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> |

Emission Unit Nos. 008 and 009 (Emergency Engines)

Summary Page

Description: 131.42 Hp natural gas-fired emergency generator engine (EU008)

175 Hp Cummins Diesel-fired emergency fire pump engine (EU009)

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|--|------------------------|-----------------------------|---|
| 008 | 131.42 Hp engine exhaust (Emergency Generator) | HAP | N/A | 40 CFR §63.6580 [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(103)] |
| 009 | 175 Hp engine exhaust (Emergency Fire Pump) | HAP | N/A | 40 CFR §63.6580 [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(103)] |
| | | NMHC + NO _x | 4.0 g/kW-hr (3.0 g/hp-hr) | 40 CFR 60, Subpart III [adopted by reference at ADEM Admin. Code r. 335-3-10-.03(87)] |
| | | CO | 3.5 g/kW-hr (2.6 g/hp-hr) | |
| | | PM | 0.20 g/kW-hr (0.15 g/hp-hr) | |

Emission Unit Nos. 008 and 009 (Emergency Engines)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| 1. <u>Applicability</u> | |
| (a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| (b) This unit is subject to a synthetic minor source emission limit established pursuant to ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration (PSD))." | ADEM Admin. Code r. 335-3-14-.04 |
| (c) These units are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 8 to Subpart ZZZZ. | ADEM Admin. Code r. 335-3-11-.06(103); 40 CFR 63, Subpart ZZZZ; 40 CFR 63, Subpart A |
| (d) Emission Unit No. 009 is subject to subject to the applicable requirements of the 40 CFR 60, Subpart IIII, the Standards of Performance for Stationary Compression Ignition Internal Combustions Engines, and 40 CFR, part 60 Appendix A | ADEM Admin. Code r. 335-3-10-.03(87) |
| 2. <u>Emission Standards</u> | |
| (a) The permittee shall not cause or allow the emissions from Emission Unit No. 009 to exceed the following: | 40 CFR §60.4205(c); 40 CFR 60, Subpart IIII Table 4; 40 CFR §89.112 |
| (1)The sum of the emissions of non-methane hydrocarbons (NMHC) and nitrogen oxides (NO _x) shall not exceed 4.0 g/kW-hr (3.0 g/hp-hr); | |
| (2) Carbon monoxide emissions shall not exceed 3.5 g/kW-hr (2.6 g/hp-hr); | |
| (3) Particulate matter (PM) emissions shall not exceed 0.20 g/kW-hr (0.15 g/hp-hr); | |
| (b) The permittee shall comply with the applicable requirements of 40 CFR §63.6602 and Table 2c to Subpart ZZZZ, which include, but may not be limited to: | 40 CFR §63.6602 |
| (1) Meet the following work practice requirements, except during periods of startup: | |
| a. Change the oil and filter every 500 hours of operation or annually, whichever comes first; | |

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>b. For the diesel-fired engine, inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;</p> <p>c. For the natural gas-fired engine, inspect the spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and</p> <p>d. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</p> <p>(2) During periods of startup, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.</p> <p>(3) If a unit is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.</p> <p>(c) The permittee shall not operate these units except as provided in §63.6640(f)(1) through (f)(4), which include but may not be limited to:</p> <p>(1) Emergency situations;</p> <p>(2) Maintenance checks and readiness testing, not to exceed 100 hours per year; and</p> <p>(3) Non-emergency situations, not to exceed 50 hours per year (those 50 hours are counted towards the 100 hours per year provided for maintenance and testing).</p> <p>(d) Emission Unit No. 009 has a 500 hour per year operational limit.</p> | <p>40 CFR §63.6640</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no performance test methods or procedures associated with these units.</p> | <p>ADEM Admin. Code r. 335-3-14-.04</p> |

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>4. <u>Emission Monitoring</u></p> <p>(a) The permittee shall operate and maintain the these units according to the manufacturer's emission-related written instructions <u>or</u> develop a maintenance plan that provides for, to the extent practicable, the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p> <p>(b) The permittee shall install a non-resettable hour meter if one is not already installed.</p> | <p>40 CFR §63.6625(e); 40 CFR §63.6640(a)</p> <p>40 CFR §63.6625(f)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall keep records of the operation and maintenance of the units in accordance with 40 CFR §63.6655. At a minimum, these records shall include:</p> <ol style="list-style-type: none"> (1) For each period of operation, the length of operation and the reason the engine was in operation during that time. For periods of operation designated as “emergency operation,” the records shall reflect what classified the operation as emergency; (2) The total number of hours each engine was operated during a calendar year subtotaled by the reason the engine was in operation; (3) The dates of each oil and filter change with the corresponding hour on the hour meter; (4) The dates of each inspection and replacement of air cleaners, hoses, and belts with the corresponding hour on the hour meter; and (5) The dates and nature of other emission-related repairs and maintenance performed. <p>(b) The permittee shall maintain on-site for the life of each unit either a copy of the manufacturer’s emission-related operation and maintenance instructions for each unit or the maintenance plan developed in accordance with §63.6625(e) for each unit.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c); 40 CFR §63.6655</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>(c) The permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR 63, Subparts A and ZZZZ for these units recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on-site. The remaining 3 years of data may be retained off-site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.</p> <p>(d) The permittee shall report to the Air Division any failure to perform a work practice on the schedule required, including instances when the work practice standard was not performed due to emergency operation or unacceptable risk under a federal, state, or local law. The permittee shall submit the report within two working days of the deviation and shall provide an explanation as to why the work practice requirement was not performed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c); 40 CFR §63.6660; 40 CFR §63.10(b)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c); 40 CFR §63.6640(b)</p> |

Emission Unit No. 010 (Thermal Oil Heater)

Summary Page

Description: 6.0 MMBtu/hr natural gas-fired Thermal Oil Heater (for press)

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|--------------------|------------------|-------------------------|------------------------------------|
| E010 | Heater Stack | PM | $E=1.38(H)^{-0.44}$ | ADEM Admin. Code r. 335-3-4-.03(1) |
| | | SO ₂ | 4.0 lb/MMBtu heat input | ADEM Admin. Code r. 335-3-5-.01 |
| | | VOC | N/A | N/A |
| | | NOX | N/A | N/A |
| | | CO | N/A | N/A |
| | | HAP | N/A | N/A |

Emission Unit No. 010 (Thermal Oil Heater)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>1. <u>Applicability</u></p> <p>(a) This heater is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This heater is subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Part 63, Subpart DDDDD.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>40 CFR Part 63, Subpart DDDDD; 40 CFR 63, Subpart A; ADEM Admin. Code r. 335-3-11-.06(107)</p> |
| <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or allow the emissions of particulate matter in any one hour from these processes in excess of the amount determined by the following equation:</p> $E = 1.38(H)^{-0.44}$ <p>where E = Emissions in pounds per MMBtu heat input</p> <p>H = Heat Input in MMBtu per hour.</p> <p>(b) The permittee shall not cause or allow the emissions of sulfur dioxide from this heater to exceed 4.0 pounds per million BTU heat input (lb/MMBtu).</p> <p>(c) The permittee shall conduct a performance tune-up of this heater on a biennial basis. The initial tune-up was conducted on November 26, 2015. Each subsequent tune-up shall be conducted no more than 25 months after the previous tune-up. Each tune-up shall be conducted in accordance with the requirements of 40 CFR §63.7540(a)(11), which include, as applicable:</p> <ol style="list-style-type: none"> (1) Inspect the burner and clean or replace any components of the burner, as necessary; (2) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment shall be consistent with the manufacturer's specifications, if available; (3) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly; | <p>ADEM Admin. Code r. 335-3-4-.03(1)</p> <p>ADEM Admin. Code r. 335-3-5-.01(b)</p> <p>40 CFR §63.7500(e)</p> |

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>(4) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available;</p> <p>(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made);</p> <p>(6) Prepare a biennial report containing the following information:</p> <ol style="list-style-type: none"> a. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler. b. A description of any corrective actions taken as a part of the tune-up of the boiler. c. The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. | |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> | |
| <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A or Method 201 or 201A at 40 CFR Part 51, Appendix M, as applicable. An alternative test method may be utilized provided prior approval is granted by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>(b) If testing is required, the sulfur dioxide emission rate shall be measured in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A. An alternative test method may be utilized provided prior approval is granted by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>(c) If testing is required, the visible emissions shall be measured in accordance with Method 9 at 40 CFR Part 60, Appendix A. An alternative test method may be utilized provided prior approval is granted by the Air Division.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>(d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>4. <u>Emission Monitoring</u></p> <p>(a) At all times, the permittee shall operate and maintain this process heater, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.</p> | <p>40 CFR §63.7500(a)(3)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall maintain records in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. Each record shall be retained on-site for at least 2 years from the date of generation of each record, and may be retained off-site for the remaining 3 years.</p> <p>(b) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for this emission unit:</p> <p>(1) A statement describing any emission monitoring that occurred during the reporting period, and the date(s) and reasons(s) why the monitoring was performed;</p> <p>(2) The date(s), nature, and results of any corrective action taken when emissions-related maintenance was needed.</p> <p>(c) The permittee shall prepare biennial compliance reports in accordance with 40 CFR §63.7550. The first report must be postmarked or submitted no later than January 31, 2019, and subsequent reports should be prepared by January 31st of every other year thereafter. The permittee shall maintain the report in a permanent form and shall make the report readily available to inspection upon request.</p> <p>(d) The permittee shall maintain the applicable records outlined in 40 CFR §63.7555 in a form suitable and readily available for expeditious review and shall retain each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site for at least 2 years after the date of each recorded action, but may keep the records off-site for the remaining 3 years. These records shall include, but may not be limited to, the following:</p> <p>(1) A copy of each notification and report required to the comply with 40 CFR 63, Subpart DDDDD, and all documentation supporting any Initial Notification of Applicability or Notification of Compliance Status submitted;</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR §63.7550</p> <p>40 CFR §63.7560</p> |

| Federally Enforceable Provisos | Regulations |
|---|-------------|
| <ul style="list-style-type: none"> <li data-bbox="285 239 1097 359">(2) Records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies; and <li data-bbox="285 390 1097 478">(3) Records of the occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment; and <li data-bbox="285 510 1097 657">(4) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore to malfunctioning boiler, air pollution control, or monitoring equipment to its normal or useful manner of operation. | |

Emission Unit No. 011 (Veneer Moisture Equalization Chamber/Area Heaters)

Summary Page

Description: An Equalization Chamber to evenly redistribute moisture content of dried veneer via direct heat from two (2) 3.65 MMBtu/hr natural gas-fired burners. This process can also be used as area heaters for the LVL building.

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|----------------------------|-----------|---|---------------------------------------|
| E011 | Equalization Chamber Doors | PM | E=3.59P ^{0.62} [P <30 TPH] or E=17.31P ^{0.16} [P ≥30 TPH] | ADEM Admin. Code r. 335-3-4-.04 (SIP) |
| | | VOC | N/A | N/A |
| | | HAP | N/A | N/A |

Emission Unit No. 011 (Veneer Moisture Equalization Chamber/Area Heaters)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This unit is subject to the applicable requirements of 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD.</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or allow the emissions of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> <p align="center">E = 3.59 (P)^{0.62} (P <30 tons per hour) or</p> <p align="center">E = 17.31 (P)^{0.16} (P ≥30 tons per hour)</p> <p align="center">where E = Emissions in pounds per hour P = Process rate in tons per hour.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A. An alternative test method may be utilized provided prior approval is granted by the Air Division.</p> <p>4. <u>Emissions Monitoring</u></p> <p>There are no unit specific emissions monitoring requirements applicable to this process.</p> <p>5. <u>Reporting and Recordkeeping</u></p> <p>There are no unit specific emissions monitoring requirements applicable to this process.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>40 CFR Part 63, Subpart DDDD; 40 CFR 63, Subpart A; ADEM Admin. Code r. 335-3-11-.06(81)</p> <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |

Emission Unit No. 012 (Adhesive Storage Tanks)

Summary Page

Description: Three 10,000-Gallon Adhesive Storage Tanks

Emission Limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|------------------------|------------------|-----------------------|-------------------------|
| E012 | Adhesive Storage Tanks | HAP | N/A | 40 CFR 63, Subpart DDDD |

Emission Unit No. 012 (Adhesive Storage Tanks)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>1. <u>Applicability</u></p> <p>(a) These tanks are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These tanks are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD, and to the NESHAP General Provisions, 40 CFR Part 63, Subpart A as provided in 40 CFR §63.2290 and Table 10 of Subpart DDDD.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>40 CFR Part 63, Subpart DDDD; 40 CFR 63, Subpart A; ADEM Admin. Code r. 335-3-11-.06(81)</p> |
| <p>2. <u>Emission Standards</u></p> <p>There are no unit specific emission standards applicable to this process.</p> | <p>N/A</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no unit specific compliance and performance test methods or procedures applicable to this process.</p> | <p>N/A</p> |
| <p>4. <u>Emissions Monitoring</u></p> <p>There are no unit specific emission monitoring requirements applicable to this process.</p> | <p>N/A</p> |
| <p>5. <u>Reporting and Recordkeeping</u></p> <p>There are no unit specific recordkeeping or reporting requirements applicable to this process.</p> | <p>N/A</p> |

Emission Unit No. 013 (Log Soaking Vats)

Summary Page

Description: Log Soaking Vats for conditioning of logs for processing by the Lathe

Emission Limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|--------------------|------------------|-----------------------|----------------------------|
| E013-FUG | Log Soaking Vats | HAP | N/A | 40 CFR 63, Subpart DDDD |

Emission Unit No. 013 (Log Soaking Vats)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>1. <u>Applicability</u></p> <p>(a) These vats are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These vats are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD, and to the NESHAP General Provisions, 40 CFR Part 63, Subpart A as provided in 40 CFR §63.2290 and Table 10 of Subpart DDDD.</p> <p>2. <u>Emission Standards</u></p> <p>There are no unit specific emission monitoring requirements applicable to this process.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no unit specific emission monitoring requirements applicable to this process.</p> <p>4. <u>Emissions Monitoring</u></p> <p>There are no unit specific emission monitoring requirements applicable to this process.</p> <p>5. <u>Reporting and Recordkeeping</u></p> <p>There are no unit specific emission monitoring requirements applicable to this process.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>40 CFR Part 63, Subpart DDDD; 40 CFR 63, Subpart A; ADEM Admin. Code r. 335-3-11-.06(81)</p> |