



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** LOUISIANA-PACIFIC CORPORATION  
**FACILITY NAME:** HANCEVILLE OSB MILL  
**FACILITY/PERMIT NO.:** 702-0027  
**LOCATION:** HANCEVILLE, CULLMAN 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:** DRAFT  
**Effective Date:** DRAFT  
**Expiration Date:** XXX XX, 2031 (5 years  
minus 1 day from  
issuance/effective date)

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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Transfer</u></b></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><b>2. <u>Renewals</u></b></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><b>3. <u>Severability Clause</u></b></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><b>4. <u>Compliance</u></b></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>
<p><b>5. <u>Termination for Cause</u></b></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>	<p>ADEM Admin. Code r. 335-3-16-.05(h)</p>

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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>6. <u>Property Rights</u></b></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><b>7. <u>Submission of Information</u></b></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><b>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></b></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><b>9. <u>Certification of Truth, Accuracy, and Completeness</u></b></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><b>10. <u>Inspection and Entry</u></b></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> <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>	ADEM Admin. Code r. 335-3-16-.07(b)

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<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><b>11. <u>Compliance Provisions</u></b></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><b>12. <u>Compliance Certification</u></b></p> <p>The permittee shall submit a complete and accurate compliance certification by January 8<sup>th</sup> of each year for each annual reporting period of this permit (November 9<sup>th</sup> – November 8<sup>th</sup>).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none"><li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li><li>(2) The compliance status;</li><li>(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);</li><li>(4) Whether compliance has been continuous or intermittent;</li><li>(5) Such other facts as the Air Division may require to determine the compliance status of the source;</li></ol> <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

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**General Permit Provisos**

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**Federally Enforceable Provisos**

**Regulations**

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

EPA Region 4 via email at  
EPA\_R4\_CAA\_Reports@epa.gov or through the EPA's  
Compliance and Emissions Data Reporting Interface  
(CEDRI)

**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**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b><u>15. Equipment Maintenance or Breakdown</u></b></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"><li>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</li><li>(2) The expected length of time that the air pollution control equipment will be out of service;</li><li>(3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;</li><li>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</li><li>(5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period.</li></ol> <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><b><u>16. Operation of Capture and Control Devices</u></b></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>

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**General Permit Provisos**

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**Federally Enforceable Provisos**

**Regulations**

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**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.

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

(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.

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

**20. Recordkeeping Requirements**

(a) Records of required monitoring information of the source shall include the following:

ADEM Admin. Code r.  
335-3-16-.05(c)2.

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <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><b>21. Reporting Requirements</b></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><b>22. Emission Testing Requirements</b></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>Unless otherwise specified in the Unit Specific provisos of this permit or in a subject regulation, the Air Division must be notified in writing at least <b>10 days</b> 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. 335-3-16-.05(c)3.</p> <p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p>





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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b><u>28. Circumvention</u></b></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><b><u>29. Visible Emissions</u></b></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><b><u>30. Fuel-Burning Equipment</u></b></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><b><u>31. Process Industries – General</u></b></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><b><u>32. Averaging Time for Emission Limits</u></b></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><b><u>33. Open Burning</u></b></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>

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**General Permit Provisos**

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**Federally Enforceable Provisos**

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**34. Compliance Assurance Monitoring (CAM)**

Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos.

**(a) Operation of Approved Monitoring**

40 CFR §64.7

- (1) *Commencement of operation.* The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos of this permit upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).
- (2) *Proper maintenance.* At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
- (3) *Continued operation.* Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- (4) *Response to excursions or exceedances.*
  - (i) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual 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

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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 indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

- (ii) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will 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.
- (5) *Documentation of need for improved monitoring.* After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

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**(b) Quality Improvement Plan (QIP) Requirements**

40 CFR §64.8

(1) Based on the results of a determination made under Section 34(a)(4)(i) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.

(2) *Elements of a QIP:*

(i) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

(ii) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:

A. Improved preventive maintenance practices.

B. Process operation changes.

C. Appropriate improvements to control methods.

D. Other steps appropriate to correct control performance.

E. More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above).

(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 34(a)(4)(i) above, the Department may require that an owner or operator make

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<p>reasonable changes to the QIP if the QIP is found to have:</p> <ul style="list-style-type: none"><li>(i) Failed to address the cause of the control device performance problems; or</li><li>(ii) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.</li></ul> <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p> <p><b>(c) Reporting and Recordkeeping Requirements</b></p> <p>(1) <i>General reporting requirements</i></p> <ul style="list-style-type: none"><li>(i) On and after the date specified in Section 34(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code r. 335-3-16-.05(c)3.</li><li>(ii) A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code r. 335-3-16-.05(c)3. and the following information, as applicable:<ul style="list-style-type: none"><li>A. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</li><li>B. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and</li><li>C. A description of the actions taken to implement a QIP during the reporting period as specified in Section 34(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.</li></ul></li></ul>	<p>40 CFR §64.9</p>

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(2) *General recordkeeping requirements.*

- (i) The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code r. 335-3-16-.05(c)2. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 34(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
- (ii) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

**(d) Savings Provisions**

40 CFR §64.10

Nothing in this part shall:

- (1) Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.
- (2) Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.

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- (3) Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.

## Emission Unit No. 001 (Trim Saws)

### Summary Page

**Description:** Trim Saws with Baghouse

**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
S-6 (CP-001)	Baghouse Exhaust	PM	0.94 lb/hr and/or 0.005 gr/dscf	ADEM Admin. Code r. 335-3-14-.04
		VOC	1.82 lb/hr and/or 44 ppm (as carbon)	ADEM Admin. Code r. 335-3-14-.04

## Emission Unit No. 001 (Trim Saws)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source is subject to the applicable requirements of 40 CFR Part 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>(c) This source is subject to Best Available Control Technology (BACT) limits for particulate matter and volatile organic compounds (VOC) established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow the particulate emission rate from this process to exceed 0.94 lb/hr and/or 0.005 gr/dscf.</p> <p>(b) The permittee shall not cause or allow the volatile organic compound emission rate (as carbon) from this process to exceed 1.82 lb/hr and/or 44 ppm.</p> <p>(c) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p> <p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) The permittee shall determine compliance with the applicable <b>particulate</b> emission limit for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) At least <u>daily</u>, while operating, the permittee shall visually observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.1 – 3.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator value(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(e) The permittee shall physically inspect the baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(f) The potential VOC emissions from this process were based on a maximum OSB production rate of 68,023 ft<sup>2</sup> per hour on a 3/8-inch basis and a board density of 43 lb/ft<sup>3</sup>. Therefore, on a 12-month rolling basis, the permittee shall calculate and maintain the rolling annual production on a 3/8-inch basis to less than 595,881,480 ft<sup>2</sup>.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain records of daily visible emission observations, pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall maintain a record of the average hourly throughput of OSB in square feet on a 3/8-inch basis produced. Records of the rolling 12-month production totals shall be calculated by the 10<sup>th</sup> day of each month. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 003 (Forming Sheet Material Reject System)**

**Summary Page**

**Description:** Forming Sheet Material Reject System with Baghouse

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
S-8 (CP-005)	Baghouse Exhaust	PM	1.25 lb/hr and/or 0.005 gr/dscf	ADEM Admin. Code r. 335-3-14-.04
		VOC	1.49 lb/hr and/or 27 ppm (as carbon)	ADEM Admin. Code r. 335-3-14-.04

## Emission Unit No. 003 (Forming Sheet Material Reject System)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source 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>(c) This source is subject to Best Available Control Technology (BACT) limits for particulate matter and volatile organic compounds (VOC) established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow the particulate emission rate from this process to exceed 1.25 lb/hr and/or 0.005 gr/dscf.</p> <p>(b) The permittee shall not cause or allow the volatile organic compound emission rate (as carbon) from this process to exceed 1.49 lb/hr and/or 27 ppm.</p> <p>(c) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p> <p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) The permittee shall determine compliance with the applicable <b>particulate</b> emission limit for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) At least <u>daily</u>, while operating, the permittee shall visually observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.1 – 3.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator value(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(e) The permittee shall physically inspect the baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(f) The potential VOC emissions from this process were based on a maximum OSB production rate of 68,023 ft<sup>2</sup> per hour on a 3/8-inch basis and a board density of 43 lb/ft<sup>3</sup>. Therefore, on a 12-month rolling basis, the permittee shall calculate and maintain the rolling annual production on a 3/8-inch basis to less than 595,881,480 ft<sup>2</sup>.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain records of daily visible emission observations, pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall maintain a record of the average hourly throughput of OSB in square feet on a 3/8-inch basis produced. Records of the rolling 12-month production totals shall be calculated by the 10<sup>th</sup> day each month. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 004 (Fuel Grinder)**  
**Summary Page**

**Description:** Fuel Grinder with Baghouse

**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
S-9 ("metering bin")	Baghouse Exhaust	PM	0.58 lb/hr and/or 0.005 gr/dscf	ADEM Admin. Code r. 335-3-14-.04
		VOC	3.45 lb/hr and/or 136 ppm (as carbon)	ADEM Admin. Code r. 335-3-14-.04

## Emission Unit No. 004 (Fuel Grinder)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source 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>(c) This source is subject to Best Available Control Technology (BACT) limits for particulate matter and volatile organic compounds (VOC) established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow the particulate emission rate from this process to exceed 0.58 lb/hr and/or 0.005 gr/dscf.</p> <p>(b) The permittee shall not cause or allow the volatile organic compound emission rate (as carbon) from this process to exceed 3.45 lb/hr and/or 136 ppm.</p> <p>(c) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p> <p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall determine compliance with the applicable <b>particulate</b> emission limit for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p> <p>(b) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p> <p>(c) At least <u>daily</u>, while operating, the permittee shall visually observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p> <p>(d) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.1 – 3.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator value(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p> <p>(e) The permittee shall physically inspect the baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(f) The potential VOC emissions from this process were based on a maximum OSB production rate of 68,023 ft<sup>2</sup> per hour on a 3/8-inch basis and a board density of 43 lb/ft<sup>3</sup>. Therefore, on a 12-month rolling basis, the permittee shall calculate and maintain the rolling annual production on a 3/8-inch basis to less than 595,881,480 ft<sup>2</sup>.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain records of daily visible emission observations, pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall maintain a record of the average hourly throughput of OSB in square feet on a 3/8-inch basis produced. Records of the rolling 12-month production totals shall be calculated by the 10<sup>th</sup> day each month. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 005 (Three Material Blenders)  
Summary Page**

**Description:** Three Material Blenders with Replacement Aspiration Baghouse

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
S-10 (CP-002)	Baghouse Exhaust	PM	0.82 lb/hr and/or 0.005 gr/dscf	ADEM Admin. Code r. 335-3-14-.04
		VOC	10.0 lb/hr and/or 572 ppm (as carbon)	ADEM Admin. Code r. 335-3-14-.04

## Emission Unit No. 005 (Three Material Blenders)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source is subject to the applicable requirements of 40 CFR 64, Compliance Assurance Monitoring (CAM).</p> <p>(c) This source 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>(d) This source is subject to synthetic minor emission limitations to restrict its potential to emit for particulate matter and volatile organic compounds to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow the particulate emission rate from this process to exceed 0.82 lb/hr and/or 0.005 gr/dscf.</p> <p>(b) The permittee shall not cause or allow the volatile organic compound emission rate (as carbon) from this process to exceed 10.0 lb/hr and/or 572 ppm.</p> <p>(c) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR Part 64</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) The permittee shall determine compliance with the applicable <b>particulate</b> emission limit for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §64.3 and §64.7</p>
<p>(c) At least <u>weekly</u>, while operating, the permittee shall observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §64.3 and §64.7</p>
<p>(d) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.1 – 5.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator values(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §64.3 and §64.7</p>

Federally Enforceable Provisos	Regulations
<p>(e) Upon detecting an excursion or exceedance of any operating parameter as indicated by required monitoring, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual 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 indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will 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>(f) The permittee shall physically inspect the baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p> <p>(g) The potential VOC emissions from this process were based on a maximum OSB production rate of 68,023 ft<sup>2</sup> per hour on a 3/8-inch basis and a board density of 43 lb/ft<sup>3</sup>. Therefore, on a 12-month rolling basis, the permittee shall calculate and maintain the rolling annual production on a 3/8-inch basis to less than 595,881,480 ft<sup>2</sup>.</p>	<p>40 CFR §64.7</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The permittee shall maintain records of weekly visible emission observations, daily pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §64.9</p>

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall maintain a record of the average hourly throughput of OSB in square feet on a 3/8-inch basis produced. Records of the rolling 12-month production totals shall be calculated by the 10<sup>th</sup> day each month. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p> <p>(c) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §64.9</p>

**Emission Unit No. 009 (Nos. 1-5 Rotary Drum Wood Wafer Dryers)**

**Summary Page**

**Description:** Nos. 1-5 Replacement Rotary Drum Wood Wafer Dryers with Replacement Regenerative Thermal Oxidation System (Dryer 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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
Dryer RTO	Dryer RTO Exhaust Stack	PM	19.28 lb/hr and/or 0.015 gr/dscf	ADEM Admin. Code r. 335-3-14-.04
Dryer RTO	Dryer RTO Exhaust Stack	NOx	0.59 lb/MSF 3/8" basis and ≤ 243.1 TPY total across 009 and 010	ADEM Admin. Code r. 335-3-14-.04
Dryer RTO	Dryer RTO Exhaust Stack	CO	50.90 lb/hr	ADEM Admin. Code r. 335-3-14-.04
Dryer RTO	Dryer RTO Exhaust Stack	VOC	17.84 lb/hr as carbon or 21.76 lb/hr as propane	ADEM Admin. Code r. 335-3-14-.04
Dryer RTO	Across Dryer RTO	VOC	Minimum 90% destruction efficiency	ADEM Admin. Code r. 335-3-14-.04
Dryer RTO	Across Dryer RTO	HAP	Reduce emissions of total HAP, measured as THC (as carbon) by 90 percent	40 CFR §63.2240 [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(81)]

**Emission Unit No. 009 (Nos. 1-5 Rotary Drum Wood Wafer Dryers)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<b>1. <u>Applicability</u></b>	
(a) This source 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 source is subject to the applicable requirements of 40 CFR Part 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 40 CFR §63.2290 and Table 10 to Subpart DDDD.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
(c) This source is subject to synthetic minor emission limitations to restrict its potential to emit for particulate matter, nitrogen oxides, carbon monoxide, and volatile organic compounds to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."	ADEM Admin. Code r. 335-3-14-.04
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow the particulate emission rate from the Dryer RTO to exceed neither 19.28 lb/hr nor 0.015 gr/dscf. The system shall not employ excess air for dilution.	ADEM Admin. Code r. 335-3-14-.04
(b) The permittee shall not cause or allow the total nitrogen oxides emission rate the Dryer RTO to exceed 0.59 pounds per thousand square feet (lb/MSF) on a 3/8" board thickness basis.	ADEM Admin. Code r. 335-3-14-.04
(c) The permittee shall not cause or allow the total nitrogen oxides emission rate from both Unit Nos. 009 and 010 to exceed 243.1 tons during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-14-.04
(d) The permittee shall not cause or allow the total carbon monoxide emission rate from both RTO exhausts to exceed 50.90 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(e) The permittee shall not cause or allow the total volatile organic compound emission rate from the Dryer RTO to exceed neither 17.84 lb/hr as carbon nor 21.76 lb/hr as propane.	ADEM Admin. Code r. 335-3-14-.04
(f) The total volatile organic compound destruction efficiency across the Dryer RTO shall be at least 90 percent.	ADEM Admin. Code r. 335-3-14-.04

Federally Enforceable Provisos	Regulations
<p><b>(g)</b> The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 27% from this source.</p>	<p>ADEM Admin. Code r. 335-3-10-.02(2(c) and 40 CFR §60.43c(c)</p>
<p><b>(h)</b> When more than three dryers are operating, at least three RTO modules shall operate.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>(i)</b> In accordance with 40 CFR §63.2240(b) and Option 1 of Table 1B to Subpart DDDD, the permittee shall comply with Subpart DDDD by reducing the total HAP emissions, measured as THC (as carbon) by 90 percent by the use of a regenerative thermal oxidizer (RTO).</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p><b>(j)</b> 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 Part 63, Subpart DDDD</p>
<p><b>(k)</b> The permittee shall be in compliance with the provisions of 40 CFR Part 63, Subpart A, except as noted in Table 10 to Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p><b>(l)</b> On and after August 13, 2021, the permittee shall be in compliance with the compliance options, operating requirements, and the work practice requirements in Subpart DDDD when the process unit(s) subject to the compliance options, operating requirements, and work practice requirements are operating, except as specified in paragraphs <b>(l)</b>(1) through <b>(3)</b> below.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p>(1) During safety-related shutdowns conducted according to the work practice requirement in Table 3 to this subpart.</p>	
<p>(2) The permittee shall minimize the length of time when compliance options and operating requirements in this subpart are not met due to the conditions in paragraph <b>(l)</b>(1) above.</p>	
<p>(3) The applicable standard during the operating conditions specified in paragraph <b>(l)</b>(1) above are the work practice requirements in Table 3 to this subpart for safety-related shutdowns (row 6). The otherwise applicable compliance options, operating requirements, and work practice requirements (in rows 1 through 5 of Table 3 to Subpart DDDD) do not apply during the operating conditions specified in paragraphs <b>(l)</b>(1) above.</p>	

Federally Enforceable Provisos	Regulations
<p>(m) For affected sources that commenced construction or reconstruction after September 6, 2019, and for all other affected sources on and after August 13, 2021, the permittee shall always operate and maintain its affected source, including air pollution control and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by Subpart DDDD. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p>	
<p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) Compliance with the nitrogen oxides emission rate shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 7E.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(d) Compliance with the carbon monoxide emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(e) Compliance with the volatile organic compounds (VOC) emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(f) When required, the permittee shall conduct each performance test to determine compliance with 40 CFR Part 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 Part 63, Subpart DDDD</p>

Federally Enforceable Provisos	Regulations
<p>(g) The total monthly nitrogen oxides emission rate from the wood wafer drying system (Unit No. 009) and the board press system (Unit No. 010) shall be calculated utilizing the following equation. The emission factors may be adjusted based on the results of subsequent compliance tests:</p> $E = \frac{(0.59)(X_{total}) + (0.43)(X_{350/450}) + (0.25)(X_{normal})}{2000}$ <p>Where: E = Tons of NOx Emissions; Shall be ≤ 243.1 TPY</p> <p>X<sub>total</sub> = Total OSB production in MSF 3/8" during calendar month</p> <p>X<sub>350/450</sub> = Total OSB production of Top Notch 350/450 in MSF 3/8" during calendar month</p> <p>X<sub>normal</sub> = Total OSB production other than Top Notch 350/450 in MSF 3/8" during calendar month</p> <p>(h) If the results of a NOx compliance test exceed any of the factors listed in (g) above, the permittee shall update its monthly emission calculation equation using the new, higher emission factors starting on the test date. The permittee shall submit a permit application within 180 days after testing, either requesting the higher emission factor or demonstrating that the emission factor derived is not representative of normal operations.</p> <p>(i) The permittee shall conduct emission testing for <b>nitrogen oxides</b> at intervals not to exceed 5 years following the date of the previous test unless an extension of time is granted by the Air Division.</p> <p>(j) The permittee shall determine compliance with the applicable <b>particulate</b> and <b>carbon monoxide</b> emission limits for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(k) The permittee shall conduct a repeat performance test for <b>HAP emissions</b> (measured as THC as carbon) using the applicable method(s) specified in Table 4 to 40 CFR Part 63, Subpart DDDD, by <b>August 13, 2023</b> or within 60 months following the previous performance test, whichever is later, and thereafter within 60 months following the previous performance test. The permittee shall monitor the control device in accordance with the Operating Requirements in Table 2 to Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); Table 2, Table 5(2) and Table 7(7) to 40 CFR Part 63, Subpart DDDD</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) The permittee shall install, operate, and maintain a monitoring device for the firebox/combustion chamber temperature of the RTO 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 Part 63, Subpart DDDD</p>
<p>(b) The permittee shall monitor and collect data of the 3-hour block average firebox/combustion chamber temperature of the RTO according to the applicable requirements listed in 40 CFR §63.2270 and Table 7 to Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p>(c) The permittee shall reduce the firebox/combustion chamber 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 Part 63, Subpart DDDD</p>
<p>(d) A continuous opacity monitoring system (COMS) shall be installed, calibrated, maintained, and operated whenever the RTO is operating.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.47c</p>
<p>(e) Within 10 days of the end of each month, the permittee shall calculate the 12-month rolling total NOx emissions.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain all of the applicable records specified in 40 CFR §63.2282 and Tables 7 and 8 to Subpart DDDD. 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>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p>(b) 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>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>

Federally Enforceable Provisos	Regulations
<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>(5) The permittee shall submit all of the applicable reports specified in 40 CFR §63.2281 and Table 9 to Subpart DDDD. The permittee shall submit a semiannual compliance report which contains the information in 40 CFR §63.2281(c) through (g), as applicable. The report shall be submitted no later than 30 days after the end of each semiannual reporting period (<b>January 1 - June 30 and July 1 - December 31</b>).</p> <p><b>(c)</b> The permittee shall keep records of monthly NO<sub>x</sub> emissions, including rolling, consecutive 12-month totals, in a permanent form suitable for inspection. The records shall be retained for a period of five (5) years from the date of generation and made available for request.</p> <p><b>(d)</b> Should the total NO<sub>x</sub> emissions from Unit No. 009 and Unit No. 010 exceed 243.1 tons during any consecutive 12-month period, the permittee shall notify the Air Division within 2 days of determining the exceedance.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(e) The permittee shall submit a Semiannual Monitoring Report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year. The report shall:</p> <ol style="list-style-type: none"> <li>(1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished.</li> <li>(2) Include monthly NO<sub>x</sub> emissions during the reporting period, including rolling, consecutive 12-month totals.</li> <li>(3) Include the date, time, and duration of excursions of parameters defined under emission monitoring, and the nature and date of corrective action taken.</li> <li>(4) Indicate the magnitude of excess emissions 20% and over computed from six-minute averages (data recorded during periods of COMS breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages).</li> <li>(5) Identify the date and time of commencement and completion of each time period of excess emissions.</li> <li>(6) Identify the nature and cause of the excessive visible emissions and corrective action taken or preventive measures adopted.</li> <li>(7) Identify the date and time identifying each period during which the COMS was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments</li> <li>(8) When no excess emissions have occurred and the COMS was not inoperative or did not require repairs or adjustment, such fact shall be explicitly stated in the report.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.48c</p>

## Emission Unit No. 010 (Board Press System)

### Summary Page

**Description:** Board Press System with Replacement Regenerative Catalytic Oxidation System (Operating Scenario #1) / Thermal Oxidation System (Operating Scenario #2) (RTO3)

**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
RTO3	RTO3 Exhaust Stack	PM/PM <sub>10</sub>	9.86 lb/hr and/or 0.010 gr/dscf	ADEM Admin. Code r. 335-3-14-.04
RTO3	RTO3 Exhaust Stack	CO	4.58 lb/hr	ADEM Admin. Code r. 335-3-14-.04
RTO3	RTO3 Exhaust Stack	NO <sub>x</sub>	0.43 lb/MSF 3/8" basis for Top Notch 350 or 450; 0.25 lb/MSF 3/8" basis for all other board products; and ≤ 243.1 TPY total across 009 and 010	ADEM Admin. Code r. 335-3-14-.04
RTO3	RTO3 Exhaust Stack	VOC	4.92 lb/hr as carbon or 6.00 lb/hr as propane	ADEM Admin. Code r. 335-3-14-.04
RTO3	Across RTO3	VOC	Minimum 90% destruction efficiency	ADEM Admin. Code r. 335-3-14-.04
RTO3	Across RTO3 (with use of wood products enclosure with 100% capture efficiency)	HAP	Reduce emissions of total HAP, measured as THC (as carbon) by 90 percent	40 CFR §63.2240 [adopted by reference at ADEM Admin. Code r. 335-3-11-.06(81)]

## Emission Unit No. 010 (Board Press System)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<b>1. <u>Applicability</u></b>	
(a) This source 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 source 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.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
(c) This source is subject to synthetic minor emission limitations to restrict its potential to emit for nitrogen oxides, carbon monoxide, and volatile organic compounds to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."	ADEM Admin. Code r. 335-3-14-.04
(d) This source is subject to a Best Available Control Technology (BACT) limit for particulate matter established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".	ADEM Admin. Code r. 335-3-14-.04
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow the particulate emission rate from the regenerative catalytic oxidizer/regenerative thermal oxidizer (RCO/RTO) to exceed either 9.86 lb/hr nor 0.010 gr/dscf. The system shall not employ excess air for dilution.	ADEM Admin. Code r. 335-3-14-.04
(b) The permittee shall not cause or allow the nitrogen oxides emission rate from the RCO/RTO to exceed 0.43 pounds per thousand square feet (lb/MSF) on a 3/8" board thickness basis while producing the specialty products Top Notch 350 or Top Notch 450, nor 0.25 pounds per thousand square feet (lb/MSF) on a 3/8" board thickness basis while producing any other board product.	ADEM Admin. Code r. 335-3-14-.04
(c) The permittee shall not cause or allow the total nitrogen oxides emission rate from both Unit Nos. 009 and 010 to exceed 243.1 tons during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-14-.04

Federally Enforceable Provisos	Regulations
<b>(d)</b> The permittee shall not cause or allow the carbon monoxide emission rate from the RCO/RTO to exceed 4.58 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
<b>(e)</b> The permittee shall not cause or allow the volatile organic compound emission rate to exceed either 4.92 lb/hr as carbon nor 6.00 lb/hr as propane.	ADEM Admin. Code r. 335-3-14-.04
<b>(f)</b> The volatile organic compound destruction efficiency across the RCO/RTO shall be at least 90 percent.	ADEM Admin. Code r. 335-3-14-.04
<b>(g)</b> The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from this source.	ADEM Admin. Code r. 335-3-4-.01
<b>(h)</b> For the reconstituted wood products press, the permittee shall utilize a wood products enclosure as defined in 40 CFR §63.2292 for emissions capture.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
<b>(i)</b> In accordance with 40 CFR §63.2240(b) and Option 1 of Table 1B to Subpart DDDD, the permittee shall comply with Subpart DDDD by reducing the total HAP emissions, measured as THC (as carbon) by 90 percent by the use of a regenerative catalytic oxidizer (RCO)/regenerative thermal oxidizer (RTO).	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
<b>(j)</b> The permittee shall maintain the 3-hour block average firebox/combustion chamber temperature at or above the minimum established according to 40 CFR §63.2262.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
<b>(k)</b> When operating the control device as a RCO with an active and properly functioning catalytic bed (Operating Scenario #2), the permittee shall check the activity level of a representative sample of the catalyst at least every 12 months and take any necessary corrective action to ensure that the catalyst is performing within its design range in accordance with Tables 2 and 7 to Subpart DDDD. The permittee may forego the annual catalyst activity check during the calendar year when a performance test is conducted according to Table 4 to Subpart DDDD.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
<b>(l)</b> 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).	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
<b>(m)</b> The permittee must be in compliance with the compliance options, operating requirements, and the work practice requirements in Subpart DDDD when the process unit(s) are operating, except as specified in paragraphs (m)(1) through (3):	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD

Federally Enforceable Provisos	Regulations
<p>(1) During safety-related shutdowns conducted according to the work practice requirement in Table 3 to Subpart DDDD.</p> <p>(2) The permittee must minimize the length of time when compliance options and operating requirements in Subpart DDDD are not met due to the conditions in paragraph (m)(1).</p> <p>(3) The applicable standard during the operating conditions specified in paragraph (m)(1) above are the work practice requirements in Table 3 to this subpart for safety-related shutdowns (row 6). The otherwise applicable compliance options, operating requirements, and work practice requirements (in rows 1 through 5 of Table 3 to Subpart DDDD) do not apply during the operating conditions specified in paragraphs (m)(1) above.</p> <p>(n) The permittee must always operate and maintain the affected source, including air pollution control and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by Subpart DDDD. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p>	
<p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) Compliance with the nitrogen oxides emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 7E.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(d) Compliance with the carbon monoxide emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(e) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p><b>(f)</b> When required, the permittee shall conduct each performance test to determine compliance with 40 CFR Part 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><b>(g)</b> The total monthly nitrogen oxides emission rate from the wood wafer drying system (Unit No. 009) and the board press system (Unit No. 010) shall be calculated utilizing the following equation. The emission factors may be adjusted based on the results of subsequent compliance tests:</p> $E = \frac{(0.59)(X_{total}) + (0.43)(X_{350/450}) + (0.25)(X_{normal})}{2000}$ <p>Where: E = Tons of NOx Emissions; Shall be ≤ 243.1 TPY</p> <p>X<sub>total</sub> = Total OSB production in MSF 3/8" during calendar month</p> <p>X<sub>350/450</sub> = Total OSB production of Top Notch 350/450 in MSF 3/8" during calendar month</p> <p>X<sub>normal</sub> = Total OSB production other than Top Notch 350/450 in MSF 3/8" during calendar month</p> <p><b>(h)</b> If the results of a NOx compliance test exceed any of the factors listed in (g) above, the permittee shall update its monthly emission calculation equation using the new, higher emission factors starting on the test date. The permittee shall submit a permit application within 180 days after testing, either requesting the higher emission factor or demonstrating that the emission factor derived is not representative of normal operations.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(i) Prior to a date to be specified by the Chief of the Air Division in the authorization to operate, emissions tests of the RCO/RTO (RTO3) are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, for the following pollutants. Written test results are to be reported to the Air Division within 60 days of completion of testing.</p> <p>Particulates (X)  Visible Emissions( )  Carbon Monoxide (X)  Sulfur Dioxide ( )  Nitrogen Oxides (X)  Volatile Organic Compounds (X)  VOC Destruction Efficiency (X)</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(j) Emissions tests of the RCO/RTO (RTO3) are to be conducted for the following pollutants at intervals not to exceed <b>60 months</b> following the previous emissions test. All test reports must be submitted to the Air Division within 60 days of completion of testing.</p> <p>Particulates (X)  Visible Emissions( )  Carbon Monoxide (X)  Sulfur Dioxide ( )  Nitrogen Oxides (X)  Volatile Organic Compounds (X)  VOC Destruction Efficiency (X)</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(k) The permittee shall conduct a repeat performance test for <b>HAP emissions</b> (measured as THC as carbon) using the applicable method(s) specified in Table 4 to 40 CFR Part 63, Subpart DDDD, by <b>August 13, 2023</b> or within 60 months following the previous performance test, whichever is later, and thereafter within 60 months following the previous performance test. The permittee shall monitor the control device in accordance with the Operating Requirements in Table 2 to Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); Table 2, Table 5(2) and Table 7(7) to 40 CFR Part 63, Subpart DDDD</p>
<p><b>4. Emission Monitoring</b></p>	
<p>(a) The permittee shall install, operate, and maintain a monitoring device for the firebox/combustion chamber temperature of the RTO/RCO 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 Part 63, Subpart DDDD</p>
<p>(b) The permittee shall monitor and collect data of the 3-hour block average firebox/combustion chamber temperature of the RTO/RCO according to the applicable requirements listed in 40 CFR §63.2270 and Table 7 to Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>

Federally Enforceable Provisos	Regulations
<p>(c) The permittee shall reduce the firebox/combustion chamber temperature monitoring system data to the specified averages in units of the applicable requirement according to calculations in 40 CFR §63.2270.</p> <p>(d) Within 10 days of the end of each month, the permittee shall calculate the 12-month rolling total NOx emissions.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain all of the applicable records specified in 40 CFR §63.2282 and Tables 7 and 8 to Subpart DDDD. 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> <p>(b) 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>(c) The permittee shall submit all of the applicable reports specified in 40 CFR §63.2281 and Table 9 to Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>

Federally Enforceable Provisos	Regulations
<p><b>(d)</b> The permittee shall submit a semiannual compliance report which contains the information in 40 CFR §63.2281, as applicable. The report shall be postmarked or delivered no later than 30 days after the end of each semiannual reporting period (January 1 - June 30 and July 1 - December 31).</p>	<p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>
<p><b>(e)</b> The permittee shall keep records of monthly NOx emissions, including rolling, consecutive 12-month totals, in a permanent form suitable for inspection. The records shall begin with the month of October 2007 and shall be retained for a period of five (5) years from the date of generation and made available on request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(f)</b> Should the total NOx emissions from Unit No. 009 and Unit No. 010 exceed 243.1 tons during any consecutive 12-month period, the permittee shall notify the Air Division within 2 days of determining the exceedance.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(g)</b> The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year. The report shall:</p> <ol style="list-style-type: none"> <li><b>(1)</b> Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished.</li> <li><b>(2)</b> Include the date, time, and duration of excursions of parameters defined under emission monitoring, and the nature and date of corrective action taken.</li> <li><b>(3)</b> Include monthly NOx emissions during the reporting period, including rolling, consecutive 12-month totals.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 011 (Thermal Oil Heater)**  
**Summary Page**

**Description:** 34 MMBtu/hr Thermal Oil Heater

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
Dryer RTO	Dryer RTO Exhaust Stack	PM	0.10 lb/MMBtu input	40 CFR Part 60, Subpart Dc
Dryer RTO	Dryer RTO Exhaust Stack	SO <sub>2</sub>	4.0 lb/MMBtu input	ADEM Admin. Code r. 335-3-5-.01
Dryer RTO	Dryer RTO Exhaust Stack	NO <sub>x</sub>	N/A	N/A
Dryer RTO	Dryer RTO Exhaust Stack	CO	N/A	N/A
Dryer RTO	Dryer RTO Exhaust Stack	VOC	N/A	N/A

## Emission Unit No. 011 (Thermal Oil Heater)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<b>1. <u>Applicability</u></b>	
(a) This process 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) When fired by wood fuel and venting to the rotary dryer system, emissions from the thermal oil heater are 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.	40 CFR Part 63, Subpart DDDD
(c) This unit is subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc.	40 CFR Part 60, Subpart Dc
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow the particulate emissions from this unit to exceed 43 ng/J (0.10 lb/MMBtu) heat input.	40 CFR §60.43c(b)
(b) The permittee shall not cause or allow sulfur dioxide emissions from this boiler to exceed 4.0 pounds per million BTU heat input (lb/MMBtu).	ADEM Admin. Code r. 335-3-5-.01(b)
(c) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 27% from this source.	40 CFR §60.43c(c)
(d) The permittee shall not cause or allow the thermal oil heater to operate more than 800 hours per year firing natural gas and venting to the atmosphere through the bypass stack.	ADEM Admin. Code r. 335-3-14-.04
<b>3. <u>Compliance and Performance Test Methods and Procedures</u></b>	
(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.	ADEM Admin. Code r. 335-3-1-.05
(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p><b>4. <u>Emission Monitoring</u></b></p> <p>A continuous opacity monitoring system (COMS) shall be installed, calibrated, maintained, and operated whenever the thermal oil heater is operating.</p> <p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The permittee shall maintain records of daily fuel usage in a permanent form suitable for inspection. The records shall be retained for at least five (5) years from the date of generation and be available upon request.</p> <p>(b) The permittee shall maintain records of the amount of time natural gas is fired in the thermal oil heater with emissions venting to the atmosphere through the thermal oil heater bypass stack. The records shall be maintained in a permanent form suitable for inspection and retained for a period of five (5) years from the date of generation and made available upon request.</p> <p>(c) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year. The report shall:</p> <p>(1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished.</p> <p>(2) Include the date, time, and duration of excursions of parameters defined under emission monitoring, and the nature and date of corrective action taken.</p> <p>(3) Indicate the magnitude of excess emissions 20% and over computed from six-minute averages (data recorded during periods of COMS breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages).</p> <p>(4) Identify the date and time of commencement and completion of each time period of excess emissions.</p> <p>(5) Identify the nature and cause of the excessive visible emissions and corrective action taken or preventive measures adopted.</p> <p>(6) Identify the date and time identifying each period during which the COMS was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments</p> <p>(7) When no excess emissions have occurred and the COMS</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.47c</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.48c</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.48c</p>

Federally Enforceable Provisos	Regulations
<p>was not inoperative or did not require repairs or adjustment, such fact shall be explicitly stated in the report.</p> <p>(8) Include the number of hours during each consecutive 12-month period during the reporting period that emissions from the thermal oil heater were vented to the atmosphere through the bypass stack. Hours should be broken down to show when the burner was fired with natural gas.</p>	

**Emission Unit No. 012 (Edge Sealing and Stenciling Operations)**  
**Summary Page**

**Description:** Edge Seal Application and Stenciling 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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
Edge Seal/Stencil Application	Group 1 Miscellaneous Coating Operations	PM	N/A	N/A
		VOC	Use of non-HAP coatings	40 CFR Part 63, Subpart DDDD

## Emission Unit No. 012 (Edge Sealing and Stenciling Operations)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source 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><b>2. <u>Emission Standards</u></b></p> <p>The permittee shall only use non-HAP coatings, as defined in 40 CFR §63.2292, in these operations. <i>Non-HAP coating</i> 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><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>None</p> <p><b>4. <u>Emission Monitoring</u></b></p> <p>The permittee shall maintain records (e.g. material safety data sheets) showing that only non-HAP coatings, as defined in 40 CFR §63.2292, are used in these operations.</p> <p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>The permittee shall maintain records (e.g. material safety data sheets) showing that only non-HAP coatings, as defined in 40 CFR §63.2292, are used in these operations.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>

## Emission Unit No. 013 (Resin Storage Tanks)

### Summary Page

**Description:** Six Resin Storage Tanks

**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
T-20	13,900 Gallon Tallow Wax Storage Tank	VOC	None	40 CFR Part 63, Subpart DDDD
T-22	13,900 Gallon Tallow Wax Storage Tank	VOC	None	40 CFR Part 63, Subpart DDDD
T-19	27,600 Gallon Methylene Diphenyl Diisocyanate (MDI) / Phenol-Formaldehyde (PF) Storage Tank	VOC	None	40 CFR Part 63, Subpart DDDD
T-21	27,600 Gallon Methylene Diphenyl Diisocyanate (MDI) / Phenol-Formaldehyde (PF) Storage Tank	VOC	None	40 CFR Part 63, Subpart DDDD
RA-1	14,000 Gallon Release Agent Storage Tank	VOC	None	40 CFR Part 63, Subpart DDDD
RA-2	14,000 Gallon Release Agent Storage Tank	VOC	None	40 CFR Part 63, Subpart DDDD

## Emission Unit No. 013 (Resin Storage Tanks)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source 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><b>2. <u>Emission Standards</u></b></p> <p>None</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>None</p> <p><b>4. <u>Emission Monitoring</u></b></p> <p>None</p> <p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>None</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p>

**Emission Unit No. 014 (Techshield® Line)  
Summary Page**

**Description:** Techshield® Surface Coating Line

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
TFUG	Techshield® Adhesive Fugitives	HAP	0 grams HAP/liter solids; or 0.00 lb HAP/gal solids	40 CFR Part 63, Subpart QQQQ

**Emission Unit No. 014 (Techshield® Line)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source is subject to the applicable requirements of 40 CFR 63, Subpart QQQQ, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Wood Building Products, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 4 to Subpart QQQQ.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>The applicable organic HAP emission limit for this coating line is 0 grams HAP/liter solids or 0.00 lb HAP/gal solids, determined as a rolling 12-month emission rate.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>The permittee shall utilize the Compliant Materials Option (40 CFR §63.4691(a)) for complying with the applicable emission limit. The permittee shall demonstrate that the organic HAP content of each coating used in the coating operation is less than or equal to the applicable emission limit, and that each thinner and each cleaning material used contains no organic HAP. The permittee shall meet all applicable requirements in 40 CFR §§63.4740, 63.4741, and 63.4742 to demonstrate compliance with the emission limit using this option.</p> <p><b>4. <u>Emission Monitoring</u></b></p> <p>The permittee shall determine that the organic HAP content of each coating used in the coating operation is less than or equal to the applicable emission limit, and that each thinner and each cleaning material used contains no organic HAP. The permittee shall meet all applicable requirements in 40 CFR §§63.4740, 63.4741, and 63.4742 to determine compliance with the emission limit using this option.</p> <p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The permittee shall keep records in accordance with 40 CFR §63.4730 and maintain each record for a period of at least five years from the date of generation in a permanent form suitable for inspection. Records shall include, but are not limited to, the following:</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(94); 40 CFR Part 63, Subpart QQQQ</p> <p>40 CFR Part 63, Subpart QQQQ</p> <p>40 CFR Part 63, Subpart QQQQ</p> <p>40 CFR Part 63, Subpart QQQQ</p> <p>40 CFR Part 63, Subpart QQQQ</p> <p>40 CFR Part 63, Subpart QQQQ</p>

Federally Enforceable Provisos	Regulations
<p>(1) A copy of each notification and report that is submitted to comply with Subpart QQQQ, and the documentation supporting each notification and report.</p> <p>(2) A current copy of the information provided by materials suppliers or manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If the facility conducted testing to determine the mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report shall be retained. If the information, a summary sheet of the results provided by the manufacturer shall be retained.</p> <p>(b) A Semiannual Compliance Report for the coating line shall be postmarked or delivered no later than July 31<sup>st</sup> or January 31<sup>st</sup>, whichever date is the first date following the end of the semiannual reporting period. The semiannual reporting periods are January 1<sup>st</sup> through June 30<sup>th</sup> and July 1<sup>st</sup> through December 31<sup>st</sup>. The first Semiannual Compliance Report must cover the first semiannual reporting period which begins the day <u>after</u> the end of the initial compliance period and ends on June 30<sup>th</sup> or December 31<sup>st</sup>, whichever occurs first following the end of the initial compliance period. The Semiannual Compliance Reports may be submitted as part of the Semiannual Monitoring Reports submitted under this MSOP, which are to be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> or December 31<sup>st</sup> of each calendar year. The Semiannual Compliance Reports shall contain the applicable information outlined in 40 CFR §63.4720(a).</p>	<p>40 CFR Part 63, Subpart QQQQ</p>

**Emission Unit No. 017 (Board Sander/Tongue and Groove Machine)**

**Summary Page**

**Description:** Board Sander/Tongue and Groove Machine with Baghouse

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
S-7 (CP-006)	Baghouse Exhaust	TSP/PM <sub>10</sub>	1.93 lb/hr	ADEM Admin. Code r. 335-3-14-.04
		VOC	2.86 lb/hr as carbon and/or 3.23 lb/hr as pinene	ADEM Admin. Code r. 335-3-14-.04

**Emission Unit No. 017 (Board Sander/Tongue and Groove Machine)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<b>1. <u>Applicability</u></b>	
(a) This source 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 source 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.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD
(c) This source is subject to synthetic minor emission limitations to restrict its potential to emit for particulate matter and volatile organic compounds to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."	ADEM Admin. Code r. 335-3-14-.04
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow the combined TSP/PM <sub>10</sub> emission rate from the baghouse to exceed 1.93 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(b) The permittee shall not cause or allow the volatile organic compound emission rate from the baghouse to exceed 2.86 lb/hr as carbon (3.23 lb/hr as pinene).	ADEM Admin. Code r. 335-3-14-.04
(c) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.	ADEM Admin. Code r. 335-3-4-.01
<b>3. <u>Compliance and Performance Test Methods and Procedures</u></b>	
(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.	ADEM Admin. Code r. 335-3-1-.05
(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>(c) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) The permittee shall determine compliance with the applicable <b>particulate</b> emission limit for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) At least <u>daily</u>, while operating, the permittee shall visually observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.1 – 9.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator value(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(e) The permittee shall physically inspect the baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p><b>(a)</b> The permittee shall maintain records of daily visible emission observations, pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p> <p><b>(b)</b> The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<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. 018 (Raw Fuel Bin Overflow System)

### Summary Page

**Description:** Raw Fuel Bin Overflow System with Baghouse

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
S-13 (CP-008)	Baghouse Exhaust	TSP/PM <sub>10</sub>	0.62 lb/hr	ADEM Admin. Code r. 335-3-14-.04

**Emission Unit No. 018 (Raw Fuel Bin Overflow System)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source 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>(c) This source is subject to synthetic minor emission limitations to restrict its potential to emit for particulate matter to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow the TSP/PM<sub>10</sub> emission rate from this process to exceed 0.62 lb/hr.</p> <p>(b) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p> <p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall determine compliance with the applicable <b>particulate</b> emission limit for this unit by conducting emissions testing before <b>XXX XX, 2031</b>, while the unit is operating normally. Subsequent emissions tests are to be conducted at intervals of five years (not to exceed 60 months and no less than 48 months following the date of the most recent compliance test). If a unit is not in operation during the testing window, testing will be required upon startup.</p> <p>(b) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p> <p>(c) At least <u>daily</u>, while operating, the permittee shall visually observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p> <p>(d) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.0 – 15.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator value(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p> <p>(e) The permittee shall physically inspect the baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The permittee shall maintain records of daily visible emission observations, pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 019 (Dry Fuel System; Dry Fuel Bin Overflow System)**  
**Summary Page**

**Description:** Dry Fuel System with Baghouse (S-11); Dry Fuel Bin Overflow System with Baghouse (S-14)

**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:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
S-11 (CP-003)	Baghouse Exhaust	TSP/PM <sub>10</sub>	E=3.59P <sup>0.62</sup> (P < 30 TPH)  <b>OR</b>  E=17.31P <sup>0.16</sup> (P ≥ 30 TPH)	ADEM Admin. Code r. 335-3-4-.04
S-14 (CP-007)	Baghouse Exhaust	TSP/PM <sub>10</sub>	E=3.59P <sup>0.62</sup> (P < 30 TPH)  <b>OR</b>  E=17.31P <sup>0.16</sup> (P ≥ 30 TPH)	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 019 (Dry Fuel System; Dry Fuel Bin Overflow System)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This source 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><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> <p align="center"><math>E = 3.59P^{0.62}</math> (P &lt; 30 TPH); or</p> <p align="center"><math>E = 17.31P^{0.16}</math> (P ≥ 30 TPH)</p> <p>where E = Emissions in pounds per hour</p> <p align="center">P = Process weight in tons per hour</p> <p>(b) The permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this source. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from these sources. Opacity shall be determined by 40 CFR Part 60, Appendix A, Method 9.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.</p> <p>(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall utilize a properly maintained and operated device to measure the pressure differential across the baghouse.</p> <p>(b) At least <u>daily</u>, while operating, the permittee shall visually observe the baghouse exhaust for the presence of visible emissions. Whenever visible emissions are observed, the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the visible emissions were eliminated.</p> <p>(c) At least <u>daily</u>, the permittee shall observe and record the pressure differential across the baghouse. If the pressure differential is outside the manufacturer's recommended operating range (0.0 – 15.0 inches of water), the permittee shall initiate corrective action as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that the pressure differential is within the recommended operating range. If the permittee determines through emission testing that indicator values other than those specified above are more appropriate, the permittee shall submit a notification of the fact to the Air Division within 30 days of determining that a new indicator value(s) should be established. The notification shall include the data supporting the validity of the newly established indicator value(s).</p> <p>(d) The permittee shall physically inspect each baghouse and clean, if needed, at least annually, but more frequently if visible emissions are observed or if the pressure differential across the baghouse is observed outside the manufacturer's recommended operating range.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The permittee shall maintain records of daily visible emission observations, pressure differential observations, physical inspections, emissions-related maintenance, and corrective actions performed. The records shall be maintained onsite in a form suitable for inspection and retained for a minimum of five years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall submit a written report semiannually to the Air Division and shall be postmarked by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, which certifies whether the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; identifies all instances of deviations from permit requirements; identifies the dates of any inspections and/or cleanings performed during the reporting period; identifies excursions from any emission monitoring parameters; and identifies the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 020 (Emergency Generator Engine)  
Summary Page**

**Description:** 939 Brake-HP (700 kW<sub>m</sub>) Compression Ignition Diesel-fired Reciprocating Internal Combustion Emergency Generator Engine (EP-015A;)

**Permitted Operating Schedule:** Emergency usage and maintenance testing only

**Emission limitations:**

<b>Emission Point</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
EP-020	Emergency Generator Engine	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		Opacity	≤ 20% as determined by six-minute average, with one six-minute period up to 40% in any one hour period.	ADEM Admin. Code r. 335-3-4-.01
		NO <sub>x</sub> + NMHC	6.4 g/kWm-hr; (4.8 g/hp-hr)	40 CFR Part 60, Subpart III
		CO	3.5 g/kWm-hr 2.6 (g/hp-hr)	40 CFR Part 60, Subpart III
		PM	0.20 g/kWm-hr; (0.15 g/hp-hr)	40 CFR Part 60, Subpart III
		Operating Hours	100 hr/yr	ADEM Admin. Code r. 335-3-14-.04

## Emission Unit No. 020 (Emergency Generator Engine)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This source is subject to a synthetic minor emission limitation to restrict the potential to emit of PM, NO<sub>x</sub>, CO, SO<sub>2</sub>, and VOC emissions to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, “Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD)).”</p> <p>(c) This engine is an affected source under 40 CFR 63, Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, but is subject to limited requirements in accordance with §63.6590(b)(1)(i). Per §63.6590(b)(1)(i), this engine does not have to meet requirements of Subpart ZZZZ or Subpart A, except for the initial notification requirements of §63.6645(f).</p> <p>(d) This engine is subject to the applicable requirements of 40 CFR Part 60, Subpart IIII, the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-10-.02(87) and 40 CFR Part 60, Subpart IIII</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow visible emissions with a six-minute average opacity greater than 20% to be emitted more than once during any 60-minute period. The permittee shall not cause or allow visible emissions with a six-minute average opacity of greater than 40% to be emitted at any time.</p> <p>(b) The permittee shall not cause or allow the emissions from this engine to exceed the applicable emission standards in the applicable emission standards in 40 CFR §89.112 as required by §60.4205(b) and §60.4202(a)(2). The applicable emission standards are specified in the following table:</p>	<p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>40 CFR §§89.112, 60.4205(b), and 60.4202(a)(2)</p>

Federally Enforceable Provisos			Regulations						
<table border="1"> <thead> <tr> <th><b>NO<sub>x</sub> + NMHC</b> g/kW<sub>m</sub>-hr (g/hp-hr)</th> <th><b>CO</b> g/kW<sub>m</sub>-hr (g/hp-hr)</th> <th><b>PM</b> g/kW<sub>m</sub>-hr (g/hp-hr)</th> </tr> </thead> <tbody> <tr> <td>6.4 (4.8)</td> <td>3.5 (2.6)</td> <td>0.20 (0.15)</td> </tr> </tbody> </table> <p>where:</p> <p>NO<sub>x</sub> = Nitrogen oxides</p> <p>NMHC = Non-methane hydrocarbons</p> <p>CO = Carbon monoxide</p> <p>PM = Particulate matter</p>			<b>NO<sub>x</sub> + NMHC</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>CO</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>PM</b> g/kW <sub>m</sub> -hr (g/hp-hr)	6.4 (4.8)	3.5 (2.6)	0.20 (0.15)	
<b>NO<sub>x</sub> + NMHC</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>CO</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>PM</b> g/kW <sub>m</sub> -hr (g/hp-hr)							
6.4 (4.8)	3.5 (2.6)	0.20 (0.15)							
<p><b>(c)</b> In accordance with §89.113, the permittee shall not cause or allow the exhaust opacity, as measured and calculated according to 40 CFR Part 86, Subpart I, to exceed:</p> <ol style="list-style-type: none"> <li>i. 20 percent during the acceleration mode;</li> <li>ii. 15 percent during the lugging mode; and</li> <li>iii. 50 percent during the peaks in either the acceleration or lugging modes</li> </ol>			40 CFR §89.113						
<p><b>(d)</b> In accordance with 40 CFR §60.4206 and §60.4211(a), the permittee shall operate and maintain this engine according to the manufacturer's written instructions, change only those emission-related settings that are permitted by the manufacturer, and meet the requirements of 40 CFR Parts 89, 94, and/or 1068, as applicable;</p>			40 CFR §60.4206 and §60.4211(a)						
<p><b>(e)</b> In accordance with 40 CFR §60.4207, the permittee shall not use any diesel fuel for use in this engine that does not meet the following per-gallon standards of 40 CFR §80.510(b):</p> <ol style="list-style-type: none"> <li>i. Sulfur content shall not exceed 15 parts per million (ppm); and</li> <li>ii. Cetane index shall be a minimum of 40 <u>or</u> the aromatic content shall not exceed 35 volume percent</li> </ol>			40 CFR §60.4207						
<p><b>(f)</b> The permittee shall install and operate a non-resettable hour meter.</p>			40 CFR §60.4209(a)						



Federally Enforceable Provisos	Regulations
<p><b>4. <u>Emission Monitoring</u></b></p> <p>The emission monitoring requirements associated with this unit are contained in the Emission Standards and Recordkeeping and Reporting Requirements sections.</p>	<p>N/A</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) To demonstrate compliance with the operational limitations, the permittee shall maintain records of the date, time, duration, and purpose of operation each time this engine is operated. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request.</p> <p>(b) To demonstrate compliance with the fuel limitations, the permittee shall maintain records of the sulfur content <u>and</u> either the Cetane index or aromatic content of the diesel fuel that is burned in this engine. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request.</p> <p>(c) Within fifteen (15) days of the end of each calendar month, the permittee shall calculate and record the monthly and 12-month rolling total hours of operation for this engine for the previous month and 12-month period.</p> <p>(d) The permittee shall maintain records of the monthly and 12-month rolling total hours of operation for this engine in a permanent format suitable for inspection and shall make the records readily available for inspection upon request.</p> <p>(e) The permittee shall retain all required records in a permanent form suitable and readily available for inspection for a period of five (5) years from the date of generation of each record.</p> <p>(f) Should this facility, at any time, exceed any emission limit, the permittee shall notify the Air Division in writing within two (2) working days of determining that the exceedance occurred.</p> <p>(g) The permittee shall submit a written report to the Air Division on a semiannual basis, to be postmarked or delivered by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, for the reporting periods of January 1<sup>st</sup> through June 30<sup>th</sup> and July 1<sup>st</sup> through December 31<sup>st</sup>, respectively, certifying that all emission monitoring, proper maintenance, and operating practices were accomplished as required during the reporting period, and if not, describe the date and reason any required action was not accomplished.</p>	<p>40 CFR §60.4214</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <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. 021 (Emergency Fire Pump Engine)**  
**Summary Page**

**Description:** 238 Brake-Hp (177.5 kW<sub>m</sub>) Compression Ignition Diesel-fired Reciprocating Internal Combustion Engine (EP-016A)

**Permitted Operating Schedule:** Emergency usage and maintenance testing only

**Emission limitations:**

<b>Emission Point</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
EP-021	Emergency Fire Pump Engine	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		Opacity	≤ 20% as determined by six-minute average, with one six-minute period up to 40% in any one-hour period.	ADEM Admin. Code r. 335-3-4-.01
		NO <sub>x</sub> + NMHC	4.0 g/kWm-hr; (3.0 g/hp-hr)	40 CFR Part 60, Subpart IIII
		CO	3.5 g/kWm-hr 2.6 (g/hp-hr)	40 CFR Part 60, Subpart IIII
		PM	0.20 g/kWm-hr; (0.15 g/hp-hr)	40 CFR Part 60, Subpart IIII

## Emission Unit No. 021 (Emergency Fire Pump Engine)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations						
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This engine is an affected source under 40 CFR Part 63, Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. In accordance with §63.6590(c), the permittee shall comply with the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III. No further requirements apply for this engine under this part.</p> <p>(c) This engine is subject to the applicable requirements of 40 CFR Part 60, Subpart III, the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall not cause or allow visible emissions with a six-minute average opacity greater than 20% to be emitted more than once during any 60-minute period. The permittee shall not cause or allow visible emissions with a six-minute average opacity of greater than 40% to be emitted at any time.</p> <p>(b) The permittee shall not cause or allow the emissions from this engine to exceed the applicable emission standards in Table 4 to Subpart III as required by §60.4202(d) and §60.4205(c). The applicable emission standards are specified in the following table:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><b>NO<sub>x</sub> + NMHC</b> g/kW<sub>m</sub>-hr (g/hp-hr)</th> <th style="text-align: center;"><b>CO</b> g/kW<sub>m</sub>-hr (g/hp-hr)</th> <th style="text-align: center;"><b>PM</b> g/kW<sub>m</sub>-hr (g/hp-hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4.0 (3.0)</td> <td style="text-align: center;">3.5 (2.6)</td> <td style="text-align: center;">0.20 (0.15)</td> </tr> </tbody> </table> <p style="margin-left: 40px;">where:</p> <p style="margin-left: 80px;">NO<sub>x</sub> = Nitrogen oxides            NMHC = Non-methane hydrocarbons            CO = Carbon monoxide            PM = Particulate matter</p>	<b>NO<sub>x</sub> + NMHC</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>CO</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>PM</b> g/kW <sub>m</sub> -hr (g/hp-hr)	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-10-.02(87) and 40 CFR Part 60, Subpart III</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>40 CFR §§60.4202(d) and 60.4205(c); Table 4 to Subpart III of Part 60</p>
<b>NO<sub>x</sub> + NMHC</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>CO</b> g/kW <sub>m</sub> -hr (g/hp-hr)	<b>PM</b> g/kW <sub>m</sub> -hr (g/hp-hr)					
4.0 (3.0)	3.5 (2.6)	0.20 (0.15)					

Federally Enforceable Provisos	Regulations
(c) In accordance with 40 CFR §60.4206 and §60.4211(a), the permittee shall operate and maintain this engine according to the manufacturer's written instructions.	40 CFR §60.4211(a)
(d) In accordance with 40 CFR §60.4207, the permittee shall not use any diesel fuel for use in this engine that does not meet the following per-gallon standards of 40 CFR 1090.305: <ul style="list-style-type: none"> <li data-bbox="354 495 1097 558">i. Sulfur content shall not exceed 15 parts per million (ppm); and</li> <li data-bbox="354 590 1097 653">ii. Cetane index shall be a minimum of 40 <u>or</u> the aromatic content shall not exceed 35 volume percent</li> </ul>	40 CFR §60.4207
(e) The permittee shall install and operate a non-resettable hour meter.	40 CFR §60.4209(a)
(f) In accordance with 40 CFR §60.4211(f), the permittee shall only operate this engine as specified below: <ul style="list-style-type: none"> <li data-bbox="289 894 646 926">i. Emergency situations;</li> <li data-bbox="289 957 1097 1104">ii. Maintenance checks and readiness testing not to exceed 100 hours per year provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine; and</li> <li data-bbox="289 1136 1097 1377">iii. Non-emergency situations, not to exceed 50 hours per year (these 50 hours count toward the 100 hours per year allowed for maintenance checks and readiness testing). The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.</li> </ul>	40 CFR §60.4211(f)
<b>3. <u>Compliance and Performance Test Methods and Procedures</u></b>	
(a) Compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 5.	ADEM Admin. Code r. 335-3-1-.05
(b) Compliance with the visible emissions standard shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.	ADEM Admin. Code r. 335-3-1-.05
(c) Compliance with the nitrogen oxides emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 7E.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>(d) Compliance with the carbon monoxide emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(e) Compliance with the volatile organic compounds (VOC) emission rates shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18 or 25A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>The emission monitoring requirements associated with this unit are contained in the Emission Standards and Recordkeeping and Reporting Requirements sections.</p>	<p>N/A</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) To demonstrate compliance with the operational limitations, the permittee shall maintain records of the date, time, duration, and purpose of operation each time this engine is operated. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request.</p>	<p>40 CFR §60.4214</p>
<p>(b) To demonstrate compliance with the fuel limitations, the permittee shall maintain records of the sulfur content <u>and</u> either the Cetane index or aromatic content of the diesel fuel that is burned in this engine. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The permittee shall retain all required records in a permanent form suitable and readily available for inspection for a period of five (5) years from the date of generation of each record.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) Should this facility, at any time, exceed any emission limit, the permittee shall notify the Air Division in writing within two (2) working days of determining that the exceedance occurred.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(e) The permittee shall submit a written report to the Air Division on a semiannual basis, to be postmarked or delivered by the 30<sup>th</sup> day following June 30<sup>th</sup> and December 31<sup>st</sup> of each calendar year, for the reporting periods of January 1<sup>st</sup> through June 30<sup>th</sup> and July 1<sup>st</sup> through December 31<sup>st</sup>, respectively, certifying that all emission monitoring, proper maintenance, and operating practices were accomplished as required during the reporting period, and if not, describe the date and reason any required action was not accomplished.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Provisos for Facility-Wide Fugitive Dust Plan

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></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>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The permittee shall take reasonable precautions as directed in Proviso 3(a) to prevent fugitive dust at the facility which travel beyond the facility property line and cause a nuisance.</p>	<p>ADEM Admin. Code r. 335-3-4-.02</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) The permittee shall utilize the Fugitive Dust Plan in Appendix A in order to minimize and address fugitive dust emissions.</p>	<p>ADEM Admin. Code r. 335-3-16-.07</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall conduct weekly, considering factors such as naturally wet conditions, visual observations for fugitive dust in areas listed with potential to generate fugitive dust, and if visible emissions traveling beyond the facility property line are observed, any necessary corrective actions shall be initiated within four (4) hours of observation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The permittee shall maintain a record of all inspections, to include visible observations performed to satisfy the requirements of Proviso 4(a). This shall include problems observed and corrective actions taken. The records shall be retained for at least five (5) years from the date of generation and shall be available upon request.</p>	<p>ADEM Admin Code r. 335-3-16-.05</p>

## **Appendix A**

### **Fugitive Dust Management Plan**



BUILDING PRODUCTS

BUILD WITH US

# Hanceville OSB

**Standard Operating Procedure  
Environmental Department**

**Doc.  
No.**

**Rev. 1  
No.**

**Page: Page 1 of 2**

1. Title	<b>Fugitive Dust Program</b>
2. Scope	To provide an environmentally sound method of suppressing fugitive or airborne dust and particulate according to the requirement set forth in the ADEM Title V Permit ( <b>Air Permit 702-0027 General Proviso No. 18</b> ) and LP Hanceville Fugitive dust program.
3. Objective	To ensure the Fugitive Dust Program is implemented and maintained to limit fugitive dust from roadways, the material storage piles, stockpile areas, and other operations throughout the plant with good housekeeping practices.
4. Safety Requirements	<p><b>Appropriate PPE for the mill</b></p> <ul style="list-style-type: none"> <li>• Hard hat</li> <li>• Safety glasses</li> <li>• Steel toed boots</li> <li>• Hearing protection</li> </ul>
6. Procedures	
6.1	<b>A speed limit of 10mph shall be posted at the plant entrance and a 5mph shall be posted at the log road and dry deck.</b>
6.2	<b>Wafers and raw fuel (collectively termed wood fines) diverted through the "fire dumps" will be removed to the storage pad.</b>
6.3	<b>Operators are not to overfill buckets of Front Loader or Bobcat.</b>
6.4	<b>All bark and wood fines located on the storage pad will be hauled offsite by contractors as expeditiously as possible unless it can be utilized in the Bark Burner. Trucks hauling wood fines from the facility shall be covered due to the low moisture content of the wood fines.</b>
6.5	<b>All wood fines shall be stored, removed, and handled in a manner that minimizes the introduction of it to the ambient air.</b>
6.6	<b>Water will be used for fugitive dust control as deemed necessary on traveled ways and storage piles.</b>
6.7	<b>Record actions taken via email, phone call, or handwritten note to the Environmental</b>

6.8	<b>Manager so that action taken can be logged onto the "Fugitive Dust Control Log".</b>			
	<b>The scale personnel will be responsible for informing visitors, log truckdrivers, and contractors of the posted speed limit. Scale personnel will also be responsible for informing all parties of the need to cover loads that would create fugitive dust on or offsite.</b>			
	<b>No open burning shall be allowed on Plant property</b>			
		<b>Prepared By:</b>	<b>Checked By:</b>	<b>Authorized By:</b>
	Signed:			
	Position:			
	Date:			

# Fugitive Dust Round Sheet

Name \_\_\_\_\_

Date \_\_\_\_\_

Roadways: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Fire  
dump: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CP003: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bark  
Pad: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bark  
Hog: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Wet Fuel  
Bin: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Wood  
Burner: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bark  
Burner: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CP002: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Fugitive Dust Water Truck

Month \_\_\_\_\_

Day

1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____
10	_____
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