

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: GEORGIA-PACIFIC WOOD PRODUCTS LLC

FACILITY NAME: GEORGIA-PACIFIC WOOD PRODUCTS LLC - ROCKY CREEK PLANT

FACILITY/PERMIT NO.: 106-S010

LOCATION: FRISCO CITY, MONROE COUNTY, ALABAMA

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

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

Issuance Date:

Effective Date:

Expiration Date: October 7, 2027

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General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p>	<p>ADEM Admin. Code r. 335-3-16-.02(6)</p>
<p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	<p>ADEM Admin. Code r. 335-3-16-.12(2)</p>
<p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(e)</p>
<p>4. <u>Compliance</u></p> <p>(a) The Permittee shall comply with all conditions of ADEM Admin. Code r. 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code r. 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>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(h)</p>

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<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> <p>7. <u>Submission of Information</u></p> <p>The Permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the Permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p> <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> <p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>(a) Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</p> <p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p>	<p>ADEM Admin. Code r. 335-3-16-.05(i)</p> <p>ADEM Admin. Code r. 335-3-16-.05(j)</p> <p>ADEM Admin. Code r. 335-3-16-.05(k)</p> <p>ADEM Admin. Code r. 335-3-16-.07(a)</p> <p>ADEM Admin. Code r. 335-3-16-.07(b)</p>

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<p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p> <p>11. Compliance Provisions</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>12. Compliance Certification</p> <p>The Permittee shall submit a complete and accurate compliance certification by December 7th of each year for each annual reporting period of this permit (October 8th – October 7th).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (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); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Air Division may require to determine the compliance status of the source; <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(c)</p> <p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

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

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<p>17. Obnoxious Odors</p> <p>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.</p> <p>18. Fugitive Dust</p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(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:</p> <p>(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;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(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.</p> <p>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.</p>	<p>ADEM Admin. Code r. 335-3-1-.08</p> <p>ADEM Admin. Code r. 335-3-4-.02</p>
<p>19. Additions and Revisions</p> <p>Any modifications to this source shall comply with the modification procedures in ADEM Admin. Code r. 335-3-16-.13 or 335-3-16-.14.</p>	<p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p>
<p>20. Recordkeeping Requirements</p> <p>(a) Records of required monitoring information of the source shall include the following:</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p>

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<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>21. Reporting Requirements</p>	
<p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p>
<p>22. Emission Testing Requirements</p>	
<p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 20 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p>	<p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p>

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<p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning).</p> <p>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-1-.04</p>
<p>23. Payment of Emission Fees</p> <p>(a) The Permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p> <p>(b) The Permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p>	<p>ADEM Admin. Code r. 335-1-7-.05</p> <p>ADEM Admin. Code r. 335-1-7-.05</p>
<p>24. Other Reporting and Testing Requirements</p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>ADEM Admin. Code r. 335-3-1-.04(1)</p>

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<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(a)</p>
<p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR § 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p>	<p>40 CFR Part 68</p>
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.</p>	<p>ADEM Admin. Code r. 335-3-14-.01(1)(d)</p>

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28. Circumvention

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.

ADEM Admin. Code r.
335-3-1-.10

29. Visible Emissions

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.

ADEM Admin. Code r.
335-3-4-.01(1)

30. Fuel-Burning Equipment

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.

ADEM Admin. Code r.
335-3-4-.03

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.

ADEM Admin. Code r.
335-3-5-.01

31. Process Industries – General

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.

ADEM Admin. Code r.
335-3-4-.04

32. Averaging Time for Emission Limits

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.

ADEM Admin. Code r.
335-3-1-.05

33. Open Burning

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.

ADEM Admin. Code r.
335-3-3-.01

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34. Permit Shield

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

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

Emission Unit Nos. 001 and 002 (Natural Gas Direct-Fired Dry Kilns)

Summary Page

Description: Two (2) Direct-Fired Dry Kilns w/ 21 MMBtu/hr Gas-Fired Burners

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
EP-K1	Dry Kiln No. 1	PM	3.59(P) ^(0.62)	ADEM Admin. Code r. 335-3-4-.04 (SIP)
		VOC	N/A	N/A
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)(b) (SIP)
		NO _x	N/A	N/A
		CO	N/A	N/A
		HAP	N/A	N/A
EP-K2	Dry Kiln No. 2	PM	3.59(P) ^(0.62)	ADEM Admin. Code r. 335-3-4-.04 (SIP)
		VOC	N/A	N/A
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)(b) (SIP)
		NO _x	N/A	N/A
		CO	N/A	N/A
		HAP	N/A	N/A

Emission Unit Nos. 001 and 002 (Natural Gas Direct-Fired Dry Kilns)

Unit Specific Provisos

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<p>1. <u>Applicability</u></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".</p> <p>(b) These units are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD, and to the NESHAP General Provisions, 40 CFR Part 63, Subpart A as provided in 40 CFR §63.2290 and Table 10 of Subpart DDDD.</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or permit the emission of particulate matter in any one hour from either of these units in excess of the amount determined by the equation:</p> <p style="padding-left: 40px;">$E = 3.59(P)^{0.62}$,</p> <p style="padding-left: 40px;">Where E = Emissions in pounds per hour and</p> <p style="padding-left: 40px;">P = Process weight per hour in tons per hour.</p> <p>(b) The Permittee shall not cause or allow the emission of sulfur dioxide from either of these units in excess of 4.0 lb/MMBtu.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Methods 1-4 and 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the volatile organic compound emission rate shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 25A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81) and ADEM Admin. Code r. 335-3-11-.06(1)</p> <p>ADEM Admin. Code r. 335-3-4-.04 (SIP)</p> <p>ADEM Admin. Code r. 335-3-5-.01(1)(b)</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

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<p>4. <u>Emission Monitoring</u></p> <p>The burners for these kilns are restricted to burning natural gas only, with no permitted back-up fuel.</p> <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) If the Permittee exceeds an applicable emission limit at any time, the Permittee shall notify the Air Division in writing within two working days of determining that the exceedance occurred.</p> <p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (October 8th – April 7th and April 8th – October 7th). The report shall include whether any fuel other than natural gas was burned in the burners for these units during the reporting period.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05</p>

Emission Unit Nos. 003 and 004 (Wood-Fired Continuous Dry Kilns)

Summary Page

Description: Two (2) Continuous Dry Kilns w/ 29 MMBtu/hr Wood-Fired Burners

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
EP-K3	Dry Kiln No. 3	PM	3.59(P) ^(0.62)	ADEM Admin. Code r. 335-3-4-.04 (SIP)
		VOC	N/A	N/A
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)(b) (SIP)
		NO _x	N/A	N/A
		CO	N/A	N/A
		HAP	N/A	N/A
EP-K4	Dry Kiln No. 4	PM	3.59(P) ^(0.62)	ADEM Admin. Code r. 335-3-4-.04 (SIP)
		VOC	N/A	N/A
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)(b) (SIP)
		NO _x	N/A	N/A
		CO	N/A	N/A
		HAP	N/A	N/A

Emission Unit Nos. 003 and 004 (Wood-Fired Continuous Dry Kilns)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".</p> <p>(b) These units are subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, 40 CFR Part 63, Subpart DDDD, and to the NESHAP General Provisions, 40 CFR Part 63, Subpart A as provided in 40 CFR §63.2290 and Table 10 of Subpart DDDD.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81) and ADEM Admin. Code r. 335-3-11-.06(1)</p>
<p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or permit the emission of particulate matter in any one hour from either of these units in excess of the amount determined by the equation:</p> <p align="center">$E = 3.59(P)^{0.62}$,</p> <p align="center">Where E = Emissions in pounds per hour and</p> <p align="center">P = Process weight per hour in tons per hour of wood being burned.</p> <p>(b) The Permittee shall not cause or allow the emission of sulfur dioxide from either of these units in excess of 4.0 lb/MMBtu.</p>	<p>ADEM Admin. Code r. 335-3-4-.04 (SIP)</p> <p>ADEM Admin. Code r. 335-3-5-.01(1)(b)</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Methods 1-4 and 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the volatile organic compound emission rate shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 25A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <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>4. <u>Emission Monitoring</u></p> <p>The burner for these kilns are restricted to burning untreated wood only, with no permitted back-up fuel. Propane, butane or lighter fluid may be used to ignite the wood during startup.</p> <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) If this Permittee exceeds an applicable emission limit at any time, the Permittee shall notify the Air Division in writing within two working days of determining that the exceedance occurred.</p> <p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (October 8th – April 7th and April 8th – October 7th). The report shall include whether any fuel other than untreated wood was burned in the burners for these units, except propane or butane used during startup, during the reporting period.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05</p>

Emission Unit No. 005 (Planer Mill Pneumatic Transfer System)

Summary Page Summary Page

Description: Planer Mill Pneumatic System with Cyclone

Permitted Operating Schedule: 8,760 hr/yr

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
EP-CYCL-1	Planer Cyclone	PM	$E=3.59P^{0.62}$	ADEM Admin. Code r. 335-3-4-.04 (SIP)

Emission Unit No. 005 (Planer Mill Pneumatic System)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>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>2. <u>Emission Standards</u></p> <p>(a) No person shall cause or permit the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \text{ (} P < 30 \text{ tons per hour)}$ <p>where E = Emissions in pounds per hour P = Process weight per hour in tons per hour</p> <p>(b) The visible emissions from this unit shall not exceed twenty percent (20%) opacity, as determined by a six-minute average except for one six-minute opacity not greater than forty percent (40%) during any sixty-minute period.</p>	<p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Methods 1-4 and 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) Opacity of stack emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>4. <u>Emission Monitoring</u></p> <p>(a) At least once per week during daylight hours, Permittee personnel familiar with the processes shall observe the cyclone (while the process is operating) for greater than normal visible emissions as determined by previous observations of normal operations.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p>

Federally Enforceable Provisos	Regulations
<p>(b) Whenever observed visible emissions are greater than normal from the cyclone, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) The Permittee shall inspect the cyclone for proper operation at least annually and if greater than normal visible emissions are observed. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated within 24 hours of completing the inspection.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>(a) For the monitoring performed in accordance with the Emission Monitoring Section above, the Permittee shall maintain records in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <ul style="list-style-type: none"> (i) The date, time, and results of the daily observation for greater than normal visible emissions from the cyclone; (ii) The date(s), time, nature, and results of any corrective action taken when greater than normal visible emissions were observed from the cyclone; (iii) The date(s) and time the cyclone was inspected for proper operation and, if the results of the inspection indicated that cleaning or emissions-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed. 	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>(b) If the Permittee exceeds an applicable emission limit, the Permittee shall notify the Air Division within two working days of determining the exceedance occurred.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>(c) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (October 8th – April 7th and April 8th – October 7th). The report shall include the following information for these emission units:</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> <li data-bbox="334 268 1097 390">(i) A statement as to whether all monitoring was completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; <li data-bbox="334 424 1097 546">(ii) A statement as to whether the annual inspection of the cyclone was accomplished during the reporting period, and if so, the date and results of the inspection; <li data-bbox="334 579 1097 722">(iii) The date(s), time, nature, and results of any corrective actions taken when (1) any greater than normal visible emissions were observed from the cyclone, or (2) an inspection of the cyclone indicated that cleaning or emissions-related maintenance was needed. 	

Emission Unit No. 007 (Emergency Fire Pump Engine)

Summary Page

Description: One 221.8 Hp Diesel-Fired Emergency Water Pump

Permitted Operating Schedule: 8,760 hr/yr

Emission Limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
Emergency ICE	221.8 Hp Water Pump	NMHC + NO _x	4.0 g/kW-hr (3.0 g/HP-hr)	40 CFR §60.4205(c) and §60.4202(d)
		CO	3.5 g/kW-hr (2.6 g/HP-hr)	
		PM	0.20 g/kW-hr (0.15 g/HP-hr)	
		HAP	N/A	ADEM Admin. Code r. 335-3-11-.06(103)

Emission Unit No. 007 (Emergency Fire Pump Engine)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".</p> <p>(b) This unit is an affected source under the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ.</p> <p>(c) This unit is subject to the applicable requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustions Engines, 40 CFR 60, Subpart IIII.</p> <p>(d) This unit is subject to the General Provisions 40 CFR §60.1 through §60.19 (as applicable) as outlined in Table 8 to 40 CFR Part 60, Subpart IIII.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103)</p> <p>ADEM Admin. Code r. 335-3-10-.02(87)</p> <p>40 CFR §60.4218</p>
<p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow the emissions from this unit to exceed the applicable emission standards in Table 4 to Subpart IIII, specifically:</p> <p>(i) The sum of the emissions of non-methane hydrocarbons (NMHC) and nitrogen oxides (NO_x) shall not exceed 4.0 g/kW-hr (3.0 g/HP-hr);</p> <p>(ii) Carbon monoxide emissions shall not exceed 3.5 g/kW-hr (2.6 g/HP-hr);</p> <p>(iii) Particulate matter (PM) emissions shall not exceed 0.20 g/kW-hr (0.15 g/HP-hr).</p> <p>(b) The Permittee shall not burn any diesel fuel in this unit that does not meet the following per-gallon standards of 40 CFR §80.510(b):</p> <p>(i) Sulfur content shall not exceed 15 parts per million (ppm); and</p> <p>(ii) Cetane index shall be a minimum of 40 <u>or</u> the aromatic content shall not exceed 35 volume percent.</p> <p>(c) The permittee shall only operate this unit as specified below:</p> <p>(i) Emergency situations;</p> <p>(ii) Maintenance checks and readiness testing not to exceed 100</p>	<p>40 CFR §60.4205(c) and §60.4202(d)</p> <p>40 CFR §60.4207</p> <p>40 CFR §60.4211(e)</p>

Federally Enforceable Provisos	Regulations
<p>hours per year; and;</p> <p>(iii) 50 hours per year during non-emergency situations provided the non-emergency utilization hours are counted towards the 100 hours per year provided for maintenance checks and readiness testing.</p>	
<p>3. <u>Compliance and Performance Test Methods</u></p>	
<p>If required, the Permittee shall conduct performance testing pursuant to Subpart IIII in accordance with the in-use testing procedures in 40 CFR Part 1039, Subpart F.</p>	<p>40 CFR §60.4212(a)</p>
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) The Permittee shall operate and maintain this unit according to the manufacturer’s written instructions over the life of the engine.</p>	<p>40 CFR §60.4206 and §60.4211(a)</p>
<p>(b) The Permittee shall install and operate a non-resettable hour meter on this unit.</p>	<p>40 CFR §60.4209</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></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 unit is operated. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.4214(b)</p>
<p>(b) To demonstrate compliance with the fuel limitations, the Permittee shall maintain records of the sulfur content <u>and</u> fuel delivery receipts of the diesel fuel that is burned in this unit. These records shall be maintained in a permanent form and submitted upon request. Records demonstrating that the fuel limitation requirements are being met shall be maintained on-site and readily available for inspection upon request. All records shall be retained for a period of 5 years from the date of generation of each record.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(c) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (October 8th – April 7th and April 8th – October 7th). The report shall include:</p> <ul style="list-style-type: none"> (i) Whether the unit was operated during the reporting period, (ii) The date, time, duration, and purpose of operation each time this unit was operated during the reporting period, (iii) Written documentation that the fuel used during the reporting period met the requirements of 40 CFR §80.510(b) for non-road diesel. 	<p>ADEM Admin. Code r. 335-3-16-.05</p>

Emission Unit No. 008 (Pneumatic Sawdust Transfer System)

Summary Page Summary Page

Description: Pneumatic Sawdust Transfer System with Cyclone

Permitted Operating Schedule: 8,760 hr/yr

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
EP-CYCL-2	Sawdust Cyclone	PM	$E=3.59P^{0.62}$	ADEM Admin. Code r. 335-3-4-.04 (SIP)
			0.4 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (SMS)

Emission Unit No. 008 (Pneumatic Sawdust Transfer System)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".</p> <p>(b) This process is subject to synthetic minor limitations to restrict its potential emissions under 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. 335-3-14-.04</p>
<p>2. <u>Emission Standards</u></p> <p>(a) No person shall cause or permit the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> <p align="center">$E = 3.59P^{0.62}$ (P < 30 tons per hour)</p> <p>where E = Emissions in pounds per hour</p> <p align="center">P = Process weight per hour in tons per hour</p> <p>(b) The Permittee shall not cause or allow the emission of particulate matter from this process in excess of 0.4 lb/hr.</p> <p>(c) The visible emissions from this unit shall not exceed twenty percent (20%) opacity, as determined by a six-minute average except for one six-minute opacity not greater than forty percent (40%) during any sixty-minute period.</p>	<p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Methods 1-4 and 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) Opacity of stack emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) At least once per week during daylight hours, Permittee personnel familiar with the processes shall observe the cyclone (while the process is operating) for greater than normal visible emissions as determined by previous observations of normal operations.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p>
<p>(b) Whenever observed visible emissions are greater than normal from the cyclone, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p>
<p>(c) The Permittee shall inspect the cyclone for proper operation at least annually and if greater than normal visible emissions are observed. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated within 24 hours of completing the inspection.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>(a) For the monitoring performed in accordance with the Emission Monitoring Section above, the Permittee shall maintain records in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:</p> <ul style="list-style-type: none"> (i) The date, time, and results of the daily observation for greater than normal visible emissions from the cyclone; (ii) The date(s), time, nature, and results of any corrective action taken when greater than normal visible emissions were observed from the cyclone; (iii) The date(s) and time the cyclone was inspected for proper operation and, if the results of the inspection indicated that cleaning or emissions-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed. 	<p>ADEM Admin. Code r. 335-3-16-.05</p>

Federally Enforceable Provisos	Regulations
<p>(b) If the Permittee exceeds an applicable emission limit, the Permittee shall notify the Air Division within two working days of determining the exceedance occurred.</p> <p>(c) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (October 8th – April 7th and April 8th – October 7th). The report shall include the following information for these emission units:</p> <ul style="list-style-type: none"> (i) A statement as to whether all monitoring was completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; (ii) A statement as to whether the annual inspection of the cyclone was accomplished during the reporting period, and if so, the date and results of the inspection; (iii) The date(s), time, nature, and results of any corrective actions taken when (1) any greater than normal visible emissions were observed from the cyclone, or (2) an inspection of the cyclone indicated that cleaning or emissions-related maintenance was needed. 	<p>ADEM Admin. Code r. 335-3-16-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05</p>