

# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** SWIFT LUMBER, INC.  
**FACILITY NAME:** ATMORE FACILITY  
**FACILITY/PERMIT NO.:** 502-S003  
**LOCATION:** ATMORE, ESCAMBIA 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:**

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General Permit Provisos	
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<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>

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<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>
<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>	<p>ADEM Admin. Code r. 335-3-16-.05(i)</p>
<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>	<p>ADEM Admin. Code r. 335-3-16-.05(j)</p>
<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>	<p>ADEM Admin. Code r. 335-3-16-.05(k)</p>
<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>	<p>ADEM Admin. Code r. 335-3-16-.07(a)</p>
<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>ADEM Admin. Code r. 335-3-16-.07(b)</p>

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<ul style="list-style-type: none"> <li>(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;</li> <li>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</li> <li>(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;</li> <li>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</li> </ul>	
<b>11. <u>Compliance Provisions</u></b>	
<ul style="list-style-type: none"> <li>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</li> <li>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</li> </ul>	ADEM Admin. Code r. 335-3-16-.07(c)
<b>12. <u>Compliance Certification</u></b>	
<p>The permittee shall submit a complete and accurate compliance certification by <b>March 1<sup>st</sup></b> of each year for each annual reporting period of this permit (January 1<sup>st</sup> through December 31<sup>st</sup>).</p>	ADEM Admin. Code r. 335-3-16-.07(e)
<ul style="list-style-type: none"> <li>(a) The compliance certification shall include the following: <ul 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> </ul> </li> <li>(b) The compliance certification shall be submitted to:</li> </ul>	

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<p>Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p>and to:</p> <p>Director, Air and EPCRA Enforcement Branch USEPA Region 4 61 Forsyth Street, SW, Suite 9T43 Atlanta, GA 30303-8960</p>	
<p><b>13. Reopening for Cause</b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none"> <li>(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.</li> <li>(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.</li> <li>(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.</li> <li>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</li> </ul>	<p>ADEM Admin. Code r. 335-3-16-.13(5)</p>
<p><b>14. Additional Rules and Regulations</b></p> <p>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.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>

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<b>15. <u>Equipment Maintenance or Breakdown</u></b>	
<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>
<b>16. <u>Operation of Capture and Control Devices</u></b>	
<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><b>17. <u>Obnoxious Odors</u></b></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>ADEM Admin. Code r. 335-3-1-.08</p>
<p><b>18. <u>Fugitive Dust</u></b></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. 335-3-4-.02</p>
<p><b>19. <u>Additions and Revisions</u></b></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 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>

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<b>20. <u>Recordkeeping Requirements</u></b>	
<p>(a) Records of required monitoring information of the source shall include the following:</p> <ol style="list-style-type: none"> <li>(1) The date, place, and time of all sampling or measurements;</li> <li>(2) The date analyses were performed;</li> <li>(3) The company or entity that performed the analyses;</li> <li>(4) The analytical techniques or methods used;</li> <li>(5) The results of all analyses; and</li> <li>(6) The operating conditions that existed at the time of sampling or measurement.</li> </ol> <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>	ADEM Admin. Code r. 335-3-16-.05(c)2.
<b>21. <u>Reporting Requirements</u></b>	
<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>	ADEM Admin. Code r. 335-3-16-.05(c)3.
<b>22. <u>Emission Testing Requirements</u></b>	
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.	ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)

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<p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> <li>(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.</li> <li>(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).</li> <li>(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.</li> <li>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</li> </ul> <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><b>23. <u>Payment of Emission Fees</u></b></p> <ul style="list-style-type: none"> <li>(a) The permittee shall submit 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.</li> <li>(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.</li> </ul>	<p>ADEM Admin. Code r. 335-1-7-.05</p> <p>ADEM Admin. Code r. 335-1-7-.05</p>

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<p><b><u>24. Other Reporting and Testing Requirements</u></b></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>
<p><b><u>25. Title VI Requirements (Refrigerants)</u></b></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><b><u>26. Chemical Accidental Prevention Provisions</u></b></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><b><u>27. Display of Permit</u></b></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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<p><b>28. <u>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>29. <u>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>30. <u>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. 33534.03.</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. 33535.01.</p>	<p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p>
<p><b>31. <u>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>32. <u>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>33. <u>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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<p><b>34. <u>Permit Shield</u></b></p> <p>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.</p>	<p>ADEM Admin. Code r. 335-3-16-.10</p>

**Emission Unit No. 004 (Wood-fired Boiler No. 4)****Summary Page****Description:** 23.25 MMBtu/hr wood-fired boiler with multiclone

**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
WB4	Exhaust stack for multiclone of the 23.25 MMBtu/hr wood-fired boiler	PM	0.20 gr/dscf @ 50% excess air	ADEM Admin. Code r. 335-3-4-.08
		SO <sub>2</sub>	4.0 lb/MMBtu heat input	ADEM Admin. Code r. 335-3-5-.01
		NOX	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		HAPs	Facility-wide limit: 9.9 TPY Individual HAP & 24.5 TPY Combined HAP	ADEM Admin. Code r. 335-3-14

**Emission Unit No. 004 (Wood-fired Boiler No. 4)****Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<b>1. <u>Applicability</u></b>	
(a) This boiler 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 boiler is subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart D.	40 CFR Part 60, Subpart D.
(c) This boiler is subject to the applicable requirements of 40 CFR 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions.	40 CFR Part 63, Subpart JJJJJJ
(d) The permittee is subject to a synthetic minor limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code 335-3, Appendix G, below the applicable major source thresholds for HAP during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-15-.02(h)
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow emissions of particulate matter from this boiler, to exceed 0.20 grains per dry standard cubic foot (gr/dscf), adjusted to 50% excess air.	ADEM Admin. Code r. 335-3-4-.08(2)(d)
(b) The permittee shall not cause or allow emissions of sulfur dioxide from this boiler to exceed 4.0 pounds per million BTU (lb/MMBtu) heat input.	ADEM Admin. Code r. 335-3-5-.01(b)
(c) The permittee shall conduct a one-time energy assessment of this boiler and its energy use systems no later than the date specified in 40 CFR §63.11196. The assessment shall include:	40 CFR §63.11201 and Table 2 to 40 CFR 63, Subpart JJJJJJ
(1) A visual inspection of the boiler system;	
(2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;	
(3) An inventory of major systems consuming energy from affected boiler;	



Federally Enforceable Provisos	Regulations
<p>(4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;</p> <p>(5) A listing of major energy conservation measures;</p> <p>(6) A listing of the energy savings potential of the energy conservation measures identified; and</p> <p>(7) Preparation of a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.</p> <p>(d) The permittee shall conduct a performance tune-up of this boiler on a biennial basis. The initial tune-up shall be conducted no later than the date specified in 40 CFR §63.11196, and each subsequent tune-up shall be conducted no more than 25 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup. Each tune-up shall be conducted in accordance with the requirements of 40 CFR §63.11223(b), which include, as applicable:</p> <p>(1) Inspect the burner and clean or replace any components of the burner, as necessary;</p> <p>(2) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment shall be consistent with the manufacturer's specifications, if available;</p> <p>(3) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly;</p> <p>(4) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available;</p> <p>(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made);</p> <p>(6) Prepare a report containing the following information:</p> <p>(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.</p>	<p>40 CFR §63.11201, §63.11223, and Table 2 to 40 CFR 63, Subpart JJJJJ</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> <li>(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.</li> <li>(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.</li> <li>(e) The applicable visible emission standards will apply at all times except during periods of startups and load changes as defined below: <ul style="list-style-type: none"> <li>(1) Startup is defined as the forty-five (45) minute period following the initial ignition of the fuel in the boiler firebox when flue gases are not hot enough to create steam and furnace combustion conditions have not come to equilibrium.</li> <li>(2) Load change is defined as the fifteen (15) minute period following an initial demand for process steam when the boiler is at low-fire. Low-fire is defined as the condition when the boiler is operating at a minimal firing rate and providing no steam to any process which requires the addition of more fuel and the possibility of visible emissions occurs.</li> </ul> </li> <li>(f) The permittee shall not cause or allow the facility-wide emissions of an individual HAP to exceed 9.9 tons during any consecutive 12-month period.</li> <li>(g) The permittee shall not cause or allow the facility-wide emissions of any combination of HAPs to exceed 24.5 tons during any consecutive 12-month period.</li> </ul>	<p>ADEM Admin. Code r. 335-3-4-.01(1)(c)</p> <p>ADEM Admin Code r. 335-3-15-.02(h)</p> <p>ADEM Admin Code r. 335-3-15-.02(h)</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <ul style="list-style-type: none"> <li>(a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</li> <li>(b) If testing is required, the sulfur dioxide emission rate shall be determined in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A.</li> <li>(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.</li> </ul>	<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><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall only burn untreated wood for fuel. Approval must be received from the Air Division prior to burning any other type fuel.</p> <p>(b) While the boiler is operating, the instant opacity of the boiler stack emissions shall be determined at least <u>daily</u> during daylight hours by an individual certified to determine the opacity of visible emissions. The results shall be recorded at the time of the observation. If the instant opacity exceeds 10%, an individual certified to determine the opacity of visible emissions shall conduct a visible emissions observation within 30 minutes in accordance with 40 CFR 60, Appendix A, Method 9 for a minimum of 12 minutes.</p> <p>(c) If the average opacity during a Method 9 observation exceeds 10% opacity, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation to confirm that the visible emissions are reduced to <math>\leq 10\%</math>.</p> <p>(d) To ensure proper operation, the multiclone shall be inspected at least annually, but more frequently 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(a)</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 emission monitoring performed in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. These records shall include:</p> <p>(1) The date, time, and results of each daily instantaneous visible emissions observation and the observer that conducted the observation;</p> <p>(2) The name of each qualified visible emissions observer that conducted visible emissions observations during the permit term and the expiration date(s) of the observer's certification(s);</p> <p>(3) The date(s), nature, and results of any corrective action taken when greater than 10% opacity was determined in accordance with Method 9.</p> <p>(4) The date(s) the multiclone was inspected for proper operation and, if the results of the inspection indicated that cleaning or emission-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed;</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(5) If a Method 9 visible emissions observation is required as specified in Condition 4(b) above, the results shall be documented in accordance with Section 2.2 of Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(b) The permittee shall record fuel usage on a daily or monthly basis and maintain these records on-site in a permanent form suitable for inspection and be readily available for inspection for at least two (2) years from the date of generation of each record.</p> <p>(c) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> – June 30<sup>th</sup> and July 1<sup>st</sup> – December 31<sup>st</sup>). The report shall include the following information for this emission unit:</p> <p>(1) A statement as to whether all daily or Method 9 visible emissions observations were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed;</p> <p>(2) A statement as to whether the annual inspection of the multiclone was accomplished during the reporting period, and if so, the date and results of the inspection;</p> <p>(3) The date(s), nature, and results of any corrective action taken when (1) a Method 9 visible emissions observation determined that visible emissions from the exhaust stack were greater than 10% opacity, or (2) an inspection of the multiclone indicated that cleaning or emission-related maintenance was needed.</p> <p>(d) The permittee shall submit the applicable notifications outlined in 40 CFR §63.11225(a) to both the Air Division and EPA (Region 4) by the date specified. The notification requirements include, but may not be limited to, the following:</p> <p>(1) A Notification of Compliance Status shall be submitted no later than the date specified in 40 CFR §63.11225, to indicate the required tune-up has been conducted. The notification shall certify that “The facility complied with the requirements in 40 CFR §63.11214 to conduct an initial tune-up of the boiler.” The permittee shall include a copy of the report required by 40 CFR §63.11223(b)(6).</p>	<p>40 CFR Part 60, Subpart D.</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR §63.11225(a)</p>

Federally Enforceable Provisos	Regulations
<p>(2) A Notification of Compliance Status shall be submitted no later than the date specified in 40 CFR §63.11225, to indicate that an energy assessment has been conducted on these boilers and its respective energy use systems. The notification shall certify that “The facility has had an energy assessment performed according to 40 CFR §63.11214(c).” The permittee shall include a copy of the Energy Assessment Report.</p> <p>(e) The permittee shall prepare biennial compliance reports in accordance with 40 CFR §63.11225(b). The first report shall be prepared no later than the date specified in 40 CFR §63.11225(b), and subsequent reports should be prepared by March 1<sup>st</sup> of every other year thereafter. The permittee shall maintain the report in a permanent form and shall make the report readily available to inspection upon request.</p> <p>(f) The permittee shall maintain the applicable records outlined in 40 CFR §63.11225(c) in a form suitable and readily available for expeditious review and shall retain each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site for at least 2 years after the date of each recorded action, but may keep the records off-site for the remaining 3 years. These records shall include, but may not be limited to, the following:</p> <p>(1) A copy of each notification and report required to comply with 40 CFR 63, Subpart JJJJJJ, and all documentation supporting any Initial Notification of Applicability or Notification of Compliance Status submitted;</p> <p>(2) Records to document conformance with the management practices required by §63.11214 as specified in 40 CFR §63.11225(c)(2)(i) and (ii);</p> <p>(3) Records of the occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment; and</p> <p>(4) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or useful manner of operation.</p>	<p>40 CFR §63.11225(b)</p> <p>40 CFR §63.11225(c)</p>

**Emission Unit No. 005 (Wood-fired Boiler No. 5)****Summary Page****Description:** 29.5 MMBtu/hr Wood-fired Boiler with Multiclone

**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
WB5	Exhaust stack for multiclone of the 29.5 MMBtu/hr wood-fired boiler	PM	0.20 gr/dscf @ 50% excess air	ADEM Admin. Code r. 335-3-4-.08
		SO <sub>2</sub>	4.0 lb/MMBtu heat input	ADEM Admin. Code r. 335-3-5-.01
		VOC	N/A	N/A
		NOX	N/A	N/A
		CO	N/A	N/A
		HAPs	Facility-wide limit: 9.9 TPY Individual HAP & 24.5 TPY Combined HAP	ADEM Admin. Code r. 335-3-14

**Emission Unit No. 005 (Wood-fired Boiler No. 5)****Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<b>1. <u>Applicability</u></b>	
(a) This boiler 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 boiler is subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart D.	40 CFR Part 60, Subpart D.
(c) This boiler is subject to the applicable requirements of 40 CFR 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions.	40 CFR Part 63, Subpart JJJJJJ
(d) The permittee is subject to a synthetic minor limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code div. 335-3, Appendix G, below the applicable major source thresholds for HAP during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-15-.02(h)
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow emissions of particulate matter from this boiler to exceed 0.20 grains per dry standard cubic foot (gr/dscf), adjusted to 50% excess air.	ADEM Admin. Code r. 335-3-4-.08(2)(d)
(b) The permittee shall not cause or allow emissions of sulfur dioxide from this boiler to exceed 4.0 pounds per million BTU (lb/MMBtu) heat input.	ADEM Admin. Code r. 335-3-5-.01(b)
(c) The permittee shall conduct a one-time energy assessment of this boiler and its energy use systems no later than the date specified in 40 CFR §63.11196. The assessment shall include:	40 CFR §63.11201 and Table 2 to 40 CFR 63, Subpart JJJJJJ
(1) A visual inspection of the boiler system;	
(2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;	
(3) An inventory of major systems consuming energy from the affected boiler;	

Federally Enforceable Provisos	Regulations
<p>(4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;</p> <p>(5) A listing of major energy conservation measures;</p> <p>(6) A listing of the energy savings potential of the energy conservation measures identified; and</p> <p>(7) Preparation of a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the timeframe for recouping those investments.</p> <p>(d) The permittee shall conduct a performance tune-up of this boiler on a biennial basis. The initial tune-up shall be conducted no later than the date specified in 40 CFR §63.11196, and each subsequent tune-up shall be conducted no more than 25 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup. Each tune-up shall be conducted in accordance with the requirements of 40 CFR §63.11223(b), which includes, as applicable:</p> <p>(1) Inspect the burner(s) and clean or replace any components of the burner(s), as necessary;</p> <p>(2) Inspect the flame pattern and adjust the burner(s) as necessary to optimize the flame pattern. The adjustment shall be consistent with the manufacturer's specifications, if available;</p> <p>(3) Inspect the system controlling the air-to-fuel ratios and ensure that they are correctly calibrated and functioning properly;</p> <p>(4) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available;</p> <p>(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry basis or wet basis, as long as it is the same basis before and after the adjustments are made);</p> <p>(6) Prepare a report containing the following information:</p> <p>(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of this boiler.</p>	<p>ADEM Admin. Code r. 335-3-4-.01(1)(c)</p>



Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> <li>(ii) A description of any corrective actions taken as a part of the tune-up of these boilers.</li> <li>(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.</li> <li>(e) The applicable visible emission standards will apply at all times except during periods of startups and load changes as defined below: <ul style="list-style-type: none"> <li>(1) Startup is defined as the forty-five (45) minute period following the initial ignition of the fuel in the boiler firebox when flue gases are not hot enough to create steam and furnace combustion conditions have not come to equilibrium.</li> <li>(2) Load change is defined as the fifteen (15) minute period following an initial demand for process steam when the boiler is at low-fire. Low-fire is defined as the condition when the boiler is operating at a minimal firing rate and providing no steam to any process which requires the addition of more fuel and the possibility of visible emissions occurs.</li> </ul> </li> <li>(f) The permittee shall not cause or allow the facility-wide emissions of an individual HAP to exceed 9.9 tons during any consecutive 12-month period.</li> <li>(g) The permittee shall not cause or allow the facility-wide emissions of any combination of HAPs to exceed 24.5 tons during any consecutive 12-month period.</li> </ul>	<p>ADEM Admin. Code r. 335-3-4-.01(1)(c)</p> <p>ADEM Admin Code r. 335-3-15-.02(h)</p> <p>ADEM Admin Code r. 335-3-15-.02(h)</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <ul style="list-style-type: none"> <li>(a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</li> <li>(b) If testing is required, the sulfur dioxide emission rate shall be determined in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A.</li> <li>(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.</li> </ul>	<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><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall only burn untreated wood for fuel. Approval must be granted by the Air Division prior to burning any other type fuel.</p> <p>(b) While the boiler is operating, the instant opacity of the boiler stack emissions shall be determined at least <u>daily</u> during daylight hours by an individual certified to determine the opacity of visible emissions. The results shall be recorded at the time of the observation. If the instant opacity exceeds 10%, an individual certified to determine the opacity of visible emissions shall conduct a visible emissions observation within 30 minutes in accordance with 40 CFR 60, Appendix A, Method 9 for a minimum of 12 minutes.</p> <p>(c) If the average opacity during a Method 9 observation exceeds 10% opacity, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation to confirm that the visible emissions are reduced to <math>\leq 10\%</math> opacity.</p> <p>(d) To ensure proper operation, the multiclone shall be inspected at least annually, but more frequently 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(a)</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 emission monitoring performed in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. These records shall include:</p> <p>(1) The date, time, and results of each daily instantaneous visible emissions observation and the observer that conducted the observation;</p> <p>(2) The name of each qualified visible emissions observer that conducted visible emissions observations during the permit term and the expiration date(s) of the observer's certification(s);</p> <p>(3) The date(s), nature, and results of any corrective action taken when greater than 10% opacity was determined in accordance with Method 9.</p> <p>(4) The date(s) the multiclone was inspected for proper operation and, if the results of the inspection indicated that cleaning or emission-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed;</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(5) If a Method 9 visible emissions observation is required as specified in Condition 4(b) above, the results shall be documented in accordance with Section 2.2 of Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(b) The permittee shall record fuel usage on a daily or monthly basis and maintain these records on-site in a permanent form suitable for inspection and be readily available for inspection for at least two (2) years from the date of generation of each record.</p> <p>(c) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> – June 30<sup>th</sup> and July 1<sup>st</sup> – December 31<sup>st</sup>). The report shall include the following information for this emission unit:</p> <p>(1) A statement as to whether all daily or Method 9 visible emissions observations were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed;</p> <p>(2) A statement as to whether the annual inspection of the multiclone was accomplished during the reporting period, and if so, the date and results of the inspection;</p> <p>(3) The date(s), nature, and results of any corrective action taken when (1) a Method 9 visible emissions observation determined that visible emissions from the exhaust stack were greater than 10% opacity, or (2) an inspection of the multiclone indicated that cleaning or emission-related maintenance was needed.</p> <p>(d) The permittee shall submit the applicable notifications outlined in 40 CFR §63.11225(a) to both the Air Division and EPA (Region 4) by the date specified. The notification requirements include, but may not be limited to, the following:</p> <p>(1) A Notification of Compliance Status shall be submitted no later than the date specified in 40 CFR §63.11225, to indicate the required tune-up has been conducted. The notification shall certify that “The facility complied with the requirements in 40 CFR §63.11214 to conduct an initial tune-up of the boiler.” The permittee shall include a copy of the report required by 40 CFR §63.11223(b)(6).</p>	<p>40 CFR Part 60, Subpart D.</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR §63.11225(a)</p>

Federally Enforceable Provisos	Regulations
<p>(2) A Notification of Compliance Status shall be submitted no later than the date specified in 40 CFR §63.11225, to indicate that an energy assessment has been conducted on this boiler and its respective energy use systems. The notification shall certify that “The facility has had an energy assessment performed according to 40 CFR §63.11214(c).” The permittee shall include a copy of the Energy Assessment Report.</p> <p>(e) The permittee shall prepare biennial compliance reports in accordance with 40 CFR §63.11225(b). The first report shall be prepared no later than the date specified in 40 CFR §63.11225(b), and subsequent reports should be prepared by March 1<sup>st</sup> of every other year thereafter. The permittee shall maintain the report in a permanent form and shall make the report readily available to inspection upon request.</p> <p>(f) The permittee shall maintain the applicable records outlined in 40 CFR §63.11225(c) in a form suitable and readily available for expeditious review and shall retain each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site for at least 2 years after the date of each recorded action, but may keep the records off-site for the remaining 3 years. These records shall include, but may not be limited to, the following:</p> <p>(1) A copy of each notification and report required to comply with 40 CFR 63, Subpart JJJJJJ, and all documentation supporting any Initial Notification of Applicability or Notification of Compliance Status submitted;</p> <p>(2) Records to document conformance with the management practices required by §63.11214 as specified in 40 CFR §63.11225(c)(2)(i) and (ii);</p> <p>(3) Records of the occurrence and the duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment; and</p> <p>(4) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore to malfunctioning boiler, air pollution control, or monitoring equipment to its normal or useful manner of operation.</p>	<p>40 CFR §63.11225(b)</p> <p>40 CFR §63.11225(c)</p>

## Emission Unit Nos. 006 and 008 (Nos. 5 and 1 Dry Kilns)

### Summary Page

Unit No.	Description
006	25,480 MBF/yr Batch Indirect-Heated Lumber/Pole Dry Kiln #5 (Moore 54')
008	65,000 MBF/yr Continuous Indirect-Heated Lumber Dry Kiln #1 (Wellons 84')

**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
DK1	Dry Kilns #1 Ends	PM	$E = 3.59(P)^{0.62}$	ADEM Admin. Code r. 335-3-14-.04
		VOC	N/A	N/A
		Methanol	<b>Production Limits based on consecutive 12-month period</b>  Pole production shall not exceed 2,080,000 cubic feet, and lumber production shall not exceed 86,840,000 board feet  &  For pole production > 1,560,000 cubic feet but ≤ 1,820,000 cubic feet, lumber production shall not exceed 86,320,000 board feet  &  For pole production > 1,820,000 cubic feet but ≤ 2,080,000 cubic feet, lumber production shall not exceed 85,800,000 board feet	ADEM Admin. Code r. 335-3-14
DK5	Dry Kiln #5 Roof Vents			

## Emission Unit Nos. 006 and 008 (Nos. 5 and 1 Dry Kilns)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></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) The permittee is subject to a synthetic minor limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code 335-3, Appendix G, below the applicable major source thresholds for HAP during any consecutive 12-month period.</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> $E = 3.59P^{0.62}$ <p style="margin-left: 40px;">Where <math>E</math> = Emissions in pounds per hour  <math>P</math> = Process weight in tons per hour</p> <p>(b) The permittee shall not cause or allow the production of poles and lumber to exceed any of the following production thresholds during any consecutive 12-month period:</p> <ol style="list-style-type: none"> <li>(1) 2,080,000 cubic feet of poles;</li> <li>(2) 86,840,000 board feet of lumber;</li> <li>(3) If pole production during a consecutive 12-month period is &gt; 1,560,000 cubic feet but <math>\leq</math> 1,820,000 cubic feet, lumber production shall not exceed 86,320,000 board feet during the same consecutive 12-month period;</li> <li>(4) If pole production during a consecutive 12-month period is &gt; 1,820,000 cubic feet but <math>\leq</math> 2,080,000 cubic feet, lumber production shall not exceed 85,800,000 board feet during the same consecutive 12-month period.</li> </ol> <p>(c) The permittee shall not cause or allow the facility-wide emissions of an individual HAP to exceed 9.9 tons during any consecutive 12-month period.</p> <p>(d) The permittee shall not cause or allow the facility-wide emissions of any combination of HAPs to exceed 24.5 tons during any consecutive 12-month period.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-15-.02(h)</p> <p>ADEM Admin. Code r. 335-3-14.04</p> <p>ADEM Admin. Code r. 335-3-15-.02(h)</p> <p>ADEM Admin. Code r. 335-3-15-.02(h)</p> <p>ADEM Admin. Code r. 335-3-15-.02(h)</p>

Federally Enforceable Provisos	Regulations
<p>(e) The permittee 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 shall be determined by 40 CFR Part 60, Appendix A, Method 9.</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) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(b) If testing is required, the volatile organic compound (VOC) emission rate shall be determined in accordance with Method 25A at 40 CFR Part 60, Appendix A, or an alternative method if prior approval is granted by the Director.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) 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. 33531.05</p>
<p>(d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>Within 10 days of the end of each calendar month, the permittee shall calculate and record the pole and lumber production (facility-wide) for the previous calendar month <u>and</u> the previous consecutive 12-month period (i.e. rolling 12-month total) to determine compliance with the production limits of Condition 2(b) above.</p>	<p>ADEM Admin. Code r. 335-3-14-.03</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain records of pole and lumber production, on a monthly <u>and</u> 12-month rolling total basis, and shall retain the records on-site in a permanent form suitable for inspection and readily available for inspection for a period of at least five (5) years from the date of generation of each record.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> – June 30<sup>th</sup> and July 1<sup>st</sup> – December 31<sup>st</sup>). The report shall include the following information for these emission units:</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(1) A statement as to whether all calculations of pole and lumber production were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed;</p> <p>(2) A summary of pole and lumber production for each consecutive 12-month period during the reporting period.</p>	



## Emission Unit No. 011 (Planer Mill)

### Summary Page

**Description:** Planer Mill with three (3) cyclones and pneumatic wood residuals transfer system

**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
PC-1	Exhaust stack of cyclone #1	PM	$E = 3.59(P)^{0.62}$	ADEM Admin. Code r. 335-3-15-4-.04
PC-2	Exhaust stack of cyclone #2	PM	$E = 3.59(P)^{0.62}$	ADEM Admin. Code r. 335-3-15-4-.04
PC-3	Exhaust stack of cyclone #3	PM	$E = 3.59(P)^{0.62}$	ADEM Admin. Code r. 335-3-15-4-.04

**Emission Unit No. 011 (Planer Mill)**  
**Unit Specific Provisos**

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) The permittee is subject to a synthetic minor limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code 335-3, Appendix G, below the applicable major source thresholds for HAP during any consecutive 12-month period.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>The permittee shall not cause or allow the emission of particulate matter in any one hour from this process in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62}$ <p>where <math>E</math> = Emissions in pounds per hour</p> <p><math>P</math> = Process weight in tons per hour</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.</p> <p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While the process is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least daily during daylight hours for greater than normal visible emissions as determined by previous observations of normal operations. The results of the observations shall be recorded at the time of observation.</p> <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation to confirm that visible emissions are reduced to normal.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-15-.02(h)</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</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>(c) To ensure proper operation, each cyclone shall be inspected at least annually, but more frequently 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)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The permittee shall maintain records of emission monitoring performed in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. These records shall include:</p> <ol style="list-style-type: none"> <li>(1) The date, time, and results of each daily observation for greater than normal visible emissions and the observer that conducted the observation;</li> <li>(2) The date(s), nature, and results of any corrective action taken when greater than normal visible emissions were observed;</li> <li>(3) The date(s) each 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.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> – June 30<sup>th</sup> and July 1<sup>st</sup> – December 31<sup>st</sup>). The report shall include the following information for this emission unit:</p> <ol style="list-style-type: none"> <li>(1) A statement as to whether all observations for greater than normal visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed;</li> <li>(2) A statement as to whether the annual inspection of each cyclone was accomplished during the reporting period, and if so, the date and results of the inspection;</li> <li>(3) The date(s), nature, and results of any corrective action taken when (1) greater than normal visible emissions were observed or (2) an inspection of each cyclone indicated that cleaning or emissions-related maintenance was needed.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Emission Unit No. 012 (CCA Wood Preserving and Storage Operations)

### Summary Page

**Description:** One (1) chromated copper arsenate (CCA) wood preserving cylinder, associated process storage tank, and treated wood storage area

**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
012	CCA processing cylinder, process storage tank, and treated wood storage area	HAP	N/A	ADEM Admin. Code r. 335-3-11-.06(146); and 40 CFR 63, Subpart QQQQQQ

**Emission Unit No. 012 (CCA Wood Preservation and Storage Operations)**  
**Unit Specific Provisos**

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This process is subject to the applicable requirements of 40 CFR 63, Subpart QQQQQQ (National Emission Standard for Hazardous Air Pollutants for Wood Preserving Operations) and the applicable requirements of 40 CFR 63, Subpart A (General Provisions) as outlined in Table 1 to Subpart QQQQQQ.</p> <p>(c) The permittee is subject to a synthetic minor limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code 335-3, Appendix G, below the applicable major source thresholds for HAP during any consecutive 12-month period.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>The permittee shall apply the preservative to the wood product inside a retort or similarly enclosed vessel.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>There are no unit specific compliance and performance test methods or procedures applicable to this process.</p> <p><b>4. <u>Emission Monitoring</u></b></p> <p>The permittee shall operate according to a management practice plan to minimize air emissions from the preservative treatment of wood. The plan shall include, but is not limited to, the following activities:</p> <p>(a) Minimize preservative usage;</p> <p>(b) Maintain records on the type of treatment process and types and amounts of wood preservatives used at the facility;</p> <p>(c) Maintain charge records identifying pressure reading(s) inside the retorts (or similarly enclosed vessel);</p> <p>(d) Store treated wood product on drip pads or in a primary containment area to convey preservative drippage to a collection system until drippage has ceased;</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(146); and 40 CFR 63, Subpart QQQQQQ</p> <p>ADEM Admin. Code r. 335-3-15-.02(h)</p> <p>40 CFR §63.11430(a)</p> <p>N/A</p> <p>40 CFR §63.11430(c)</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> <li>(e) Fully drain the retort to the extent practicable, prior to opening the retort door;</li> <li>(f) Promptly collect any spills; and</li> <li>(g) Perform relevant corrective actions or preventative measures in the event of a malfunction before resuming operations</li> </ul>	
<p><b>5. Recordkeeping and Reporting Requirements</b></p>	
<ul style="list-style-type: none"> <li>(a) The permittee shall maintain records of emission monitoring performed in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. These records shall include: <ul style="list-style-type: none"> <li>(1) Records of the type of treatment process and types and amounts of wood preservatives used at the facility;</li> <li>(2) Charge records identifying pressure reading(s) inside the retorts (or similarly enclosed vessel); and</li> <li>(3) The date, time, and nature of any corrective action or preventative measure taken in the event of a malfunction.</li> </ul> </li> </ul>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<ul style="list-style-type: none"> <li>(b) The permittee shall maintain a copy of the facility's management practice plan to minimize air emissions from the preservative treatment of wood on-site in a permanent form that is readily available and suitable for inspection. At a minimum, the plan shall contain the activities listed in 40 CFR §63.11430(c) applicable to this process. The permittee may use the facility's standard operating procedures to meet the requirements for a management practice plan if it includes the minimum activities required for a management practice plan and it is available in a permanent form suitable for inspection.</li> </ul>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<ul style="list-style-type: none"> <li>(c) A Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), shall be submitted no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> – June 30<sup>th</sup> and July 1<sup>st</sup> – December 31<sup>st</sup>). For this emission unit, the report shall include a statement as to whether the management practice plan was followed as required during the reporting period, and if not, the date(s) and reason(s) why the plan was not followed.</li> </ul>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Emission Unit No. 013 (Emergency Engine)

### Summary Page

**Description:** 149.2 Hp diesel-fired emergency generator engine

**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
013	149.2 Hp engine exhaust (Emergency Generator Engine)	NO <sub>x</sub>	N/A	N/A
		CO	N/A	N/A
		SO <sub>2</sub>	N/A	N/A
		PM	N/A	N/A
		VOC	N/A	N/A
		HAP	N/A	N/A

**Emission Unit No. 013 (Emergency Engine)**  
**Unit Specific Provisos**

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>(b) This unit is subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 8 to Subpart ZZZZ. The applicable compliance date for this unit is <b>May 3, 2013</b>.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) Beginning on or before <b>May 3, 2013</b>, the permittee shall comply with the applicable requirements of 40 CFR §63.6603 and Table 2d to Subpart ZZZZ, which include, but may not be limited to:</p> <p>(1) Meet the following work practice requirements, except during periods of startup:</p> <p>(i) Change the oil and filter every 500 hours of operation or annually, whichever comes first;</p> <p>(ii) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;</p> <p>(iii) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</p> <p>(2) During periods of startup, the permittee must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>40 CFR 63, Subpart ZZZZ</p> <p>40 CFR §63.6603</p>



Federally Enforceable Provisos	Regulations
<p>(3) If this unit is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.</p> <p>(b) The permittee shall not operate this unit except as provided in §63.6640(f)(1)(i) through (iii), which includes but may not be limited to:</p> <p>(1) Emergency situations;</p> <p>(2) Maintenance checks and readiness testing, not to exceed 100 hours per year; and</p> <p>(3) Non-emergency situations, not to exceed 50 hours per year (those 50 hours are counted towards the 100 hours per year provided for maintenance and testing).</p>	<p>40 CFR §63.6640</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>There are no performance test methods or procedures associated with these units.</p>	<p>N/A</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The permittee shall operate and maintain this unit according to the manufacturer's emission-related written instructions <u>or</u> develop a maintenance plan that provides for, to the extent practicable, the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p> <p>(b) The permittee shall install a non-resettable hour meter if one is not already installed.</p>	<p>40 CFR §63.6625(e) &amp; 40 CFR §63.6640(a)</p> <p>40 CFR §63.6625(f)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The the permittee shall keep records of the operation and maintenance of this unit in accordance with 40 CFR §63.6655. At a minimum, these records shall include:</p> <p>(1) For each period of operation, the length of operation and the reason the engine was in operation during that time. For periods of operation designated as “emergency operation,” the records shall reflect what classified the operation as emergency;</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6655</p>

Federally Enforceable Provisos	Regulations
<p>(2) The total number of hours this engine was operated during a calendar year subtotaled by the reason the engine was in operation;</p> <p>(3) The dates of each oil and filter change with the corresponding hour on the hour meter;</p> <p>(4) The dates of each inspection and replacement of air cleaners, hoses, and belts with the corresponding hour on the hour meter; and</p> <p>(5) The dates and nature of other emission-related repairs and maintenance performed.</p> <p>(b) The permittee shall maintain onsite for the life of this unit either a copy of the manufacturer's emission-related operation and maintenance instructions for this unit or the maintenance plan for this unit developed in accordance with 40 CFR §63.6625(e).</p> <p>(c) The permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR 63, Subparts A and ZZZZ for this unit recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained onsite. The remaining 3 years of data may be retained offsite. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.</p> <p>(d) The permittee shall report to the Air Division any failure to perform a work practice on the schedule required, including instances when the work practice standard was not performed due to emergency operation or unacceptable risk under a Federal, State, or local law. The permittee shall submit the report within two working days of the deviation and shall provide an explanation as to why the work practice requirement was not performed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c), 40 CFR §63.6660, and 40 CFR §63.10(b)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6640(b)</p>

**Emission Unit No. 014 (No. 6 Natural gas-fired Boiler)****Summary Page****Description:** 16.8 MMBtu/hr Natural Gas-fired Boiler

**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
014	Exhaust stack	PM	$E=1.38H^{-0.44}$	ADEM Admin. Code r. 335-3-4-.03
		SO <sub>2</sub>	4.0 lb/MMBtu heat input	ADEM Admin. Code r. 335-3-5-.01
		NO <sub>x</sub>	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		HAP	Facility-wide limit: 9.9 TPY Individual HAP & 24.5 TPY Combined HAP	ADEM Admin. Code r. 335-3-14

## Emission Unit No. 014 (No. 6 Natural gas-fired Boiler)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<b>1. <u>Applicability</u></b>	
(a) This boiler 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 boiler is subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart D <sub>c</sub> .	40 CFR Part 60, Subpart D <sub>c</sub>
(c) The permittee is subject to a synthetic minor limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code 335-3, Appendix G, below the applicable major source thresholds for HAP during any consecutive 12-month period.	ADEM Admin Code r. 335-3-15-.02(h)
<b>2. <u>Emission Standards</u></b>	
(a) The permittee shall not cause or allow emissions of particulate matter from this boiler to exceed:	ADEM Admin. Code r. 335-3-4-.03(1)
$E = 1.38H^{-0.44}$ <p>where <math>E</math> = Emissions in lb/million BTU</p> <p><math>H</math> = Heat Input in millions of BTU/hr</p>	
(b) The permittee shall not cause or allow emissions of sulfur dioxide from this boiler to exceed 4.0 pounds per million BTU (lb/MMBtu) heat input.	ADEM Admin. Code r. 335-3-5-.01(b)
(c) The permittee shall not cause or allow the facility-wide emissions of an individual HAP to exceed 9.9 tons during any consecutive 12-month period	ADEM Admin Code r. 335-3-15-.02(h)
(d) The permittee shall not cause or allow the facility-wide emissions of any combination of HAP to exceed 24.5 tons during any consecutive 12-month period.	ADEM Admin Code r. 335-3-15-.02(h)
<b>3. <u>Compliance and Performance Test Methods and Procedures</u></b>	
(a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>(b) If testing is required, the sulfur dioxide emission rate shall be determined in accordance with Method 6 or 6C 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><b>4. <u>Emission Monitoring</u></b></p> <p>The permittee is limited to the use of natural gas only to fire this boiler except during periods of gas curtailment or gas interruption. During periods of gas curtailment or gas supply interruption, this boiler may burn No. 2 fuel oil with sulfur content not to exceed 15 parts per million, by weight, if the gas curtailment or supply interruption is documented and the permittee immediately reports the curtailment or supply interruption with fuel change to the Air Division. Approval must be received from the Air Division prior to burning any other type of fuel in this boiler.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(a)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>The permittee shall record fuel usage on a daily or monthly basis and maintain these records on-site in a permanent form suitable and readily available for inspection for at least two (2) years from the date of generation of each record.</p>	<p>40 CFR §60.48c(i), Subpart D<sub>c</sub></p>