



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** GILES & KENDALL, INC.  
**FACILITY NAME:** GILES & KENDALL, INC.  
**FACILITY NO.:** 709-S001  
**LOCATION:** HUNTSVILLE, MADISON COUNTY, ALABAMA

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

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

**Issuance Date:** DRAFT  
**Effective Date:** DRAFT  
**Expiration Date:** DRAFT

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**General Permit Provisos**

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

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**General Permit Provisos**

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

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p>	
<p><b>11. <u>Compliance Provisions</u></b></p> <p>(a) The Permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The Permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p>	<p>ADEM Admin. Code r. 335-3-16-.07(c)</p>
<p><b>12. <u>Compliance Certification</u></b></p> <p>The Permittee shall submit a complete and accurate compliance certification by July 7<sup>th</sup> of each year for each annual reporting period of this permit (May 8<sup>th</sup> – May 7<sup>th</sup>).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none"><li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li><li>(2) The compliance status;</li><li>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</li><li>(4) Whether compliance has been continuous or intermittent;</li><li>(5) Such other facts as the Air Division may require to determine the compliance status of the source;</li></ol> <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p style="text-align: center;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="text-align: center;">and to:</p> <p style="text-align: center;">Enforcement and Compliance Assurance Division EPA Region 4 Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303</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><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>ADEM Admin. Code r. 335-3-16-.13(5)</p> <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>

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



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**General Permit Provisos**

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**Federally Enforceable Provisos**

**Regulations**

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**17. Obnoxious Odors**

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

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

**18. Fugitive Dust**

(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

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

(b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:

(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;

(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;

(3) By paving;

(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.

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

**19. Additions and Revisions**

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

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

**20. Recordkeeping Requirements**

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

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

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	
<p><b>21. Reporting Requirements</b></p> <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p>
<p><b>22. Emission Testing Requirements</b></p> <p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p>	<p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p>





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**General Permit Provisos**

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

**Emission Unit No. 001 (Merchandising/Sawmill/Hammermill Operations)**

**Summary Page**

**Description:** Merchandising/Sawmill/Hammermill Operations with Four Pneumatic Wood Residuals Transfer Cyclones

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

**Emission limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
F-SM	Debarking Fugitives	PM	N/A	N/A
C-1	Storage/Loading Bin Cyclone (#1)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
C-7	Sawdust to Oil Processing Cyclone (#7)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
C-8	Small Oil Dust Storage Bin Cyclone (#8)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
C-9	Large Oil Dust Storage Bin Cyclone (#9)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 001 (Merchandising/Sawmill/Hammermill Operations)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from this unit in excess of the amount determined by the use of the following equation:</p> <p align="center">E = 3.59 (P)<sup>0.62</sup> (P&lt;30 tons/hr); or  E = 17.31 (P)<sup>0.16</sup> (P≥30 tons/hr)</p> <p>where E = Emissions in pounds per hour  P = Process weight per hour in tons per hour</p>	<p>ADEM Admin. Code r. 335-3-4-.04</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 measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 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><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations. The results shall be recorded at the time of the observation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<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, 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)</p>
<p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned, if needed, at least annually but more frequently if greater than normal visible emissions are observed.</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) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following <b>June 30<sup>th</sup></b> and <b>December 31<sup>st</sup></b> each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>



**Emission Unit No. 002 (Flake Drying and Handling System)**

**Summary Page**

**Description:** Flake Drying and Handling System with 29.5 MMBtu/hr Wood-Fired Burner, Rotary Dryer, and Two Cyclones; Pneumatic Fines Transfer System From Dried Flake Shaker Screen with Cyclone

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

**Emission limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
D-1	Flake Dryer Cyclone (#12)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
		SO <sub>2</sub>	N/A	N/A
		NO <sub>x</sub>	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		HAP	N/A	N/A
C-3	Waferboard Sawing/Hog Cyclone (#3)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
C-6	Flake Storage Bin Cyclone (#6)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 002 (Flake Drying and Handling System)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from this unit in excess of the amount determined by the use of the following equation:</p> <p align="center"> <math display="block">E = 3.59 (P)^{0.62} \quad (P &lt; 30 \text{ tons/hr}); \text{ or}</math> <math display="block">E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})</math> </p> <p>where E = Emissions in pounds per hour  P = Process weight per hour in tons per hour</p>	<p>ADEM Admin. Code r. 335-3-4-.04</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 measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 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><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations. The results shall be recorded at the time of the observation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<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, 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)</p>
<p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned, if needed, at least annually but more frequently if greater than normal visible emissions are observed.</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) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following <b>June 30<sup>th</sup></b> and <b>December 31<sup>st</sup></b> each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Emission Unit No. 003 (Waferboard Manufacturing Operation)

### Summary Page

**Description:** Waferboard Manufacturing Operation: Pressing, Cutting, and Sanding with Three Wood Residual Transfer Cyclones

**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
F-PB	Waferboard Press (fugitive)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
		VOC	N/A	N/A
		HAP	<b>Cumulative Production Limit</b>  27,600,000 ft <sup>2</sup> (3/8") waferboard production during any consecutive 12-month period	ADEM Admin. Code r. 335-3-14-.03
C-3	Waferboard Sawing/Hog Cyclone (#3)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
C-4	Waferboard Sanding Cyclone (#4)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04
C-5	Dry Fuel Bin Cyclone (#5)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 003 (Waferboard Manufacturing Operation)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This source is subject to a synthetic minor emission limitation to restrict the facility-wide emissions of hazardous air pollutants (HAP), as listed in ADEM Admin. Code 335-3, Appendix G, to 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 this unit in excess of the amount determined by the use of the following equation:</p> <p style="padding-left: 40px;"><math>E = 3.59 (P)^{0.62}</math> (P&lt;30 tons/hr); or</p> <p style="padding-left: 40px;"><math>E = 17.31 (P)^{0.16}</math> (P≥30 tons/hr)</p> <p>where E = Emissions in pounds per hour</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 cumulative production of waferboard from this process to exceed 27,600,000 square feet (ft<sup>2</sup>) on a 3/8” basis during any consecutive 12-month period.</p> <p>(c) The Permittee shall not cause or allow the facility-wide emissions of an individual HAP to equal or exceed 10 tons during any consecutive 12-month period nor the facility-wide emissions of any combination of HAPs to equal or exceed 25 tons during any consecutive 12-month period.</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 measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p>(c) If testing is required, the volatile organic compound emission rate shall be measured in accordance with Method 18 or 25A of 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.03</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-14-.03</p> <p>ADEM Admin. Code r. 335-3-14-.03</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>(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>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations. The results shall be recorded at the time of the observation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</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, 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)</p>
<p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned, if needed, at least annually but more frequently if greater than normal visible emissions are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) Within 10 days of the end of each calendar month, compliance with the cumulative production limit shall be determined.</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) Records of monthly waferboard production shall be maintained on a monthly and twelve (12)-month rolling total basis in a permanent form suitable for inspection. The records shall be retained for a period of five (5) years from the date of generation of each record and made available upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) Should the cumulative waferboard production exceed 27,600,000 ft<sup>2</sup> (3/8") during any consecutive 12-month period, the Permittee shall notify the Air Division within two (2) working days of the exceedance.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(d) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following <b>June 30<sup>th</sup></b> and <b>December 31<sup>st</sup></b> each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. The report shall also include the monthly and 12-month rolling waferboard production totals for the six (6)-month reporting period. This report shall be included as part of the report required by General Permit Proviso No. 21.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Emission Unit No. 006 (Pressboard Cutting Operation)

### Summary Page

**Description:** Pressboard Cutting Operation with Pneumatic Wood Residuals Transfer Cyclone (Cedarberry Hill Warehouse)

**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
C-2	Pressboard Cutting Cyclone (#2)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04



## Emission Unit No. 006 (Pressboard Cutting Operation)

### Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from this unit in excess of the amount determined by the use of the following equation:</p> $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ <p>where E = Emissions in pounds per hour P = Process weight per hour in tons per hour</p>	<p>ADEM Admin. Code r. 335-3-4-.04</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 measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 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><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While the wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from the cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations. The results shall be recorded at the time of the observation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<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, 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)</p>
<p>(c) To ensure proper operation, the cyclone shall be inspected and cleaned, if needed, at least annually but more frequently if greater than normal visible emissions are observed.</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) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following <b>June 30<sup>th</sup></b> and <b>December 31<sup>st</sup></b> each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 007 (Wood Fuel Pneumatic Transfer System)**

**Summary Page**

**Description:** Wood Fuel Pneumatic Transfer System for 29.5 MMBtu/hr Wood-Fired Boiler with Cyclone

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

**Emission limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
C-14	Boiler Fuel Storage Bin Cyclone (#14)	PM	E = 3.59(P) <sup>0.62</sup> ; or E = 17.31(P) <sup>0.16</sup>	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 007 (Wood Fuel Pneumatic Transfer System)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	ADEM Admin. Code r. 335-3-16-.03
<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 unit in excess of the amount determined by the use of the following equation:</p> <p align="center"><math>E = 3.59 (P)^{0.62} \quad (P &lt; 30 \text{ tons/hr}); \text{ or}</math></p> <p align="center"><math>E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})</math></p> <p>where E = Emissions in pounds per hour P = Process weight per hour in tons per hour</p>	ADEM Admin. Code r. 335-3-4-.04
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p><b>(a)</b> If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p><b>(b)</b> If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p><b>(c)</b> 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>	ADEM Admin. Code r. 335-3-1-.05  ADEM Admin. Code r. 335-3-1-.05  ADEM Admin. Code r. 335-3-1-.05
<p><b>4. <u>Emission Monitoring</u></b></p> <p><b>(a)</b> While the wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions the each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations. The results shall be recorded at the time of the observation.</p>	ADEM Admin. Code r. 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<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, 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)</p>
<p>(c) To ensure proper operation, the cyclone shall be inspected and cleaned, if needed, at least annually but more frequently if greater than normal visible emissions are observed.</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) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following <b>June 30<sup>th</sup></b> and <b>December 31<sup>st</sup></b> each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 008 (29.5 MMBtu/hr Wood-Fired Boiler)**

**Summary Page**

**Description:** 29.5 MMBtu/hr Wood-Fired Boiler with Two Multiclones in Series  
(No. 2 Fuel Oil Standby)

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

**Emission limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
BO	Wood-Fired Boiler Stack	PM	0.20 gr/dscf @ 50% excess air	ADEM Admin. Code r. 335-3-4-.08
		SO <sub>2</sub>	≤ 0.5% fuel oil sulfur content	NSPS, Subpart Dc
		NO <sub>x</sub>	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		HAP	N/A	N/A

**Emission Unit No. 008 (29.5 MMBtu/hr Wood-Fired Boiler)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This boiler is subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc.</p> <p>(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.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60</p> <p>40 CFR Part 63, Subpart JJJJJJ</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The Permittee shall not cause or allow the particulate emission rate from this boiler to exceed 0.20 grains per dry standard cubic foot, adjusted to 50% excess air.</p> <p>(b) The Permittee shall not burn fuel oil with a sulfur content greater than 0.5% by weight.</p>	<p>ADEM Admin. Code r. 335-3-4-.08(2)(b)</p> <p>ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60</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 measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p>(c) Compliance with the fuel oil sulfur limits may be determined based on certification from the supplier described in 40 CFR §60.48c(f)(1) of Subpart Dc.</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. 335-3-10-.02(2)(c) and 40 CFR Part 60</p>

Federally Enforceable Provisos	Regulations
<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>(a) 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 5%, 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>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) If the average opacity during the Method 9 observation exceeds 5%, 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</math> 5% opacity.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The multiclones shall be inspected for proper operation and cleaned, if needed, at least annually, but more frequently if visible emissions exceeding the 5% opacity corrective action threshold during a Method 9 observation are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) This unit is limited to wood residuals or No. 2 fuel oil for fuel.</p>	<p>ADEM Admin. Code r. 335-3-14-.01</p>
<p>(e) A properly maintained and operated device shall be utilized to measure the steam flow from the boiler.</p>	<p>ADEM Admin. Code r. 335-3-1-.04</p>
<p>(f) 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>40 CFR §63.11201, §63.11223, and Table 2 to 40 CFR 63, Subpart JJJJJ</p>
<p>(i) Inspect the burner and clean or replace any components of the burner, as necessary;</p>	
<p>(ii) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment</p>	



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<p>shall be consistent with the manufacturer's specifications, if available;</p> <p>(iii) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly;</p> <p>(iv) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available;</p> <p>(v) 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>(vi) Maintain onsite and submit, if requested, a report containing the following information:</p> <p style="padding-left: 40px;">A. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.</p> <p style="padding-left: 40px;">B. A description of any corrective actions taken as a part of the tune-up of the boiler.</p> <p style="padding-left: 40px;">C. The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.</p> <p>(g) At all times, the Permittee shall operate and maintain this boiler, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.</p>	<p>40 CFR §63.11205</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) Records of fuel usage shall be recorded and maintained in a permanent form suitable for inspection. Records may be recorded on a daily or monthly basis.</p> <p>(b) Records of the fuel oil supplier certifications shall be maintained on-site for a period of five (5) years from the date generation of the record and shall include the following:</p> <p style="padding-left: 40px;">(1) the name of the oil supplier; and</p> <p style="padding-left: 40px;">(2) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR §60.41c.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c); ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60</p> <p>ADEM Admin. Code r. 335-3-16-.05(c); ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60</p>

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<p>(c) Written semiannual reports shall be submitted to the Air Division for each 6-month period, to be postmarked by the 30<sup>th</sup> day following the end of the reporting period. The reports should include the following:</p> <ol style="list-style-type: none"> <li>(1) the calendar dates covered in the reporting period;</li> <li>(2) records or the fuel supplier certifications; and</li> <li>(3) a certified statement signed by the owner or operator of the affected facility that records of the fuel supplier certification submitted represents all of the fuel oil combusted during the period.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c); ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60</p>
<p>(d) The date, time, and observed opacity of the daily observations, the name and expiration date of the observer's certification, multiclone inspections, excursions, corrective actions, and emissions-related maintenance shall be recorded in a logbook and retained for a period of five (5) years from the date of generation. The records shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(e) A written report, certified by a responsible official, shall be submitted to the Air Division semiannually no later than 60 days following <b>June 30<sup>th</sup></b> and <b>December 31<sup>st</sup></b> each year, certifying that the emission monitoring requirements were accomplished as required and identifying and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. If a Method 9 observation is performed during the reporting period, the report shall include a copy of the visible emission observation report form. This report shall be included as part of the report required by General Permit Proviso No. 21.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(f) The Permittee shall prepare and submit biennial compliance reports in accordance with 40 CFR §63.11225(b) to both the Air Division and the EPA (Region 4). The first was submitted by <b>March 1, 2015</b>, and subsequent reports should be prepared and submitted by March 1<sup>st</sup> of every other year thereafter.</p>	<p>40 CFR §63.11225(b)</p>
<p>(g) 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>40 CFR §63.11225(c)</p>

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<ul style="list-style-type: none"> <li>a. A copy of each notification and report required to the comply with 40 CFR 63, Subpart JJJJJJ, and all documentation supporting any Initial Notification of Applicability or Notification of Compliance Status submitted;</li> <li>b. Records to document conformance with the management practices required by §63.11214 as specified in 40 CFR §63.11225(c)(2)(i) through (v);</li> <li>c. Records of the occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment; and</li> <li>d. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore to malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.</li> </ul>	