



### MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** M.C. DIXON LUMBER COMPANY, INC.

**FACILITY NAME:** M.C. DIXON LUMBER COMPANY, INC.

FACILITY/PERMIT NO.: 601-S008

LOCATION: EUFAULA, BARBOUR COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, <u>Ala. Code</u> §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, <u>Ala. Code</u> §§ 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.

<b>Issuance Date:</b>	
Modified:	
<b>Expiration Date:</b>	February 3, 2025

### **Table of Contents**

GENE	RAL PERMIT PROVISOS	1
1.	<u>Transfer</u>	. 1
2.	<u>Renewals</u>	. 1
3.	Severability Clause	. 1
4.	<u>Compliance</u>	. 1
5.	<u>Termination for Cause</u>	. 2
6.	Property Rights	. 2
7.	Submission of Information	. 2
8.	Economic Incentives, Marketable Permits, and Emissions Trading	. 2
9.	Certification of Truth, Accuracy, and Completeness	. 2
10.	Inspection and Entry	. 2
11.	Compliance Provisions	. 3
12.	Compliance Certification	. 3
13.	Reopening for Cause	. 4
14.	Additional Rules and Regulations	. 4
15.	Equipment Maintenance or Breakdown	. 5
16.	Operation of Capture and Control Devices	. 5
17.	Obnoxious Odors	. 6
18.	Fugitive Dust	. 6
19.	Additions and Revisions	. 6
20.	Recordkeeping Requirements	. 7
21.	Reporting Requirements	. 7
22.	Emission Testing Requirements	. 7
23.	Payment of Emission Fees	. 8
24.	Other Reporting and Testing Requirements	. 9
25.	<u>Title VI Requirements (Refrigerants)</u>	. 9
26.	<u>Chemical Accidental Prevention Provisions</u>	. 9
<i>27</i> .	<u>Display of Permit</u>	10
28.	<u>Circumvention</u>	10
29.	<u>Visible Emissions</u>	10
<i>30.</i>	Fuel-Burning Equipment	10
31.	<u>Process Industries – General</u>	
<i>32.</i>	<u>Averaging Time for Emission Limits</u>	
33.	Open Burning	11
EMIS	SION UNIT NO. 001 (WOOD-FIRED BOILER)	12
	mary Page	
	Specific Provisos	
	Applicability	
2.	Emission Standards	13
	Compliance and Performance Test Methods and Procedures	
	Emission Monitoring Recordkeeping and Reporting Requirements	
٥.	recording and reporting requirements	- 0

### **Table of Contents**

EMISSION UNIT NOS. 002, 003, & 004 (LUMBER DRY KILNS NOS. 2, 3, & 4)	18
Summary Page	18
Unit Specific Provisos	19
1. Applicability	
2. Emission Standards	19
3. Compliance and Performance Test Methods and Procedures	19
4. Emission Monitoring	20
5. Recordkeeping and Reporting Requirements	20
EMISSION UNIT NO. 005 (PLANER MILL)	21
Summary Page	21
Unit Specific Provisos	22
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	23
EMISSION UNIT NO. 006 (SAWMILL OPERATIONS)	23
Summary Page	25
Unit Specific Provisos	
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	26
EMISSION UNIT NO. 008 (EMERGENCY GENERATOR)	27
Summary Page	27
Unit Specific Provisos	
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	

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	Federally Enforceable Provisos	Regulations	
1.	<u>Transfer</u>		
	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. 335-3-1613(1)(a)5.	ADEM Admin. Code r. 335-3-1602(6)	
2.	Renewals		
	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.	ADEM Admin. Code r. 335-3-1612(2)	
	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.		
3.	Severability Clause		
	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.	ADEM Admin. Code r. 335-3-1605(e)	
4.	Compliance		
	(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.	ADEM Admin. Code r. 335-3-1605(f)	
	(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.	ADEM Admin. Code r. 335-3-1605(g)	

General	Perm	it P1	rovisos
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General Permit Provisos			
	Federally Enforceable Provisos	Regulations	
5.	Termination for Cause		
	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.	ADEM Admin. Code r. 335-3-1605(h)	
6.	Property Rights		
	The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	ADEM Admin. Code r. 335-3-1605(i)	
7.	Submission of Information		
	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.	ADEM Admin. Code r. 335-3-1605(j)	
8.	Economic Incentives, Marketable Permits, and Emissions Trading		
	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.	ADEM Admin. Code r. 335-3-1605(k)	
9.	Certification of Truth, Accuracy, and Completeness		
	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.	ADEM Admin. Code r. 335-3-1607(a)	
10	. Inspection and Entry		
	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:	ADEM Admin. Code r. 335-3-1607(b)	

General Permit Provisos				
Federally Enforceable Provisos	Regulations			
(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;				
(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;				
(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;				
(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.				
11. Compliance Provisions				
(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.	ADEM Admin. Code r. 335-3-1607(c)			
(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.				
12. Compliance Certification				
The permittee shall submit a complete and accurate compliance certification by April 5 <sup>th</sup> of each year for each annual reporting period of this permit (February 4 <sup>th</sup> – February 3 <sup>rd</sup> ).	ADEM Admin. Code r. 335-3-1607(e)			
(a) The compliance certification shall include the following:				
(1) The identification of each term or condition of this permit that is the basis of the certification;				
(2) The compliance status;				
(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code R. 335-3-1605(c) (Monitoring and Recordkeeping Requirements);				
(4) Whether compliance has been continuous or intermittent;				
(5) Such other facts as the Air Division may require to determine the compliance status of the source;				

General	Permit	<b>Provisos</b>

#### Federally Enforceable Provisos

#### Regulations

(b) The compliance certification shall be submitted to:

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

and to:

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

#### 13. Reopening for Cause

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

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

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

#### 14. Additional Rules and Regulations

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

§22-28-16(d), <u>Code of</u> <u>Alabama 1975</u>, as amended

General	Permit	<b>Provisos</b>

### Federally Enforceable Provisos Regulations 15. Equipment Maintenance or Breakdown (a) In case of shutdown for more than one (1) hour of air pollution ADEM Admin. Code r. control equipment (which operates pursuant to any permit 335-3-1-.07(1),(2) 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: (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period. (b) In the event that there is a breakdown of equipment or upset of process for a period exceeding one (1) hour 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. 16. Operation of Capture and Control Devices

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 §22-28-16(d), <u>Code of</u> <u>Alabama 1975</u>, as amended

contaminants shall be established.

#### **General Permit Provisos**

### **Federally Enforceable Provisos** Regulations 17. Obnoxious Odors This permit is issued with the condition that, should obnoxious ADEM Admin. Code r. 335-3-1-.08 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. 18. Fugitive Dust (a) Precautions shall be taken to prevent fugitive dust emanating ADEM Admin. Code r. from plant roads, grounds, stockpiles, screens, dryers, 335-3-4-.02 hoppers, ductwork, etc. (b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds: (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions. 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 ADEM Admin. Code r. 335-3-16-.13 and modification procedures in Rules 335-3-16-.13 or 335-3-16-.14. 335-3-16-.14

General	Permit	<b>Provisos</b>
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Federally Enforceable Provisos	Regulations
20. Recordkeeping Requirements	
(a) Records of required monitoring information of the source shall include the following:	ADEM Admin. Code r. 335-3-1605(c)2.
(1) The date, place, and time of all sampling or measurements;	
(2) The date analyses were performed;	
(3) The company or entity that performed the analyses;	
(4) The analytical techniques or methods used;	
(5) The results of all analyses; and	
(6) The operating conditions that existed at the time of sampling or measurement.	
(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.	
21. Reporting Requirements	
(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. 335-3-1604(9).	ADEM Admin. Code r. 335-3-1605(c)3.
(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.	
22. Emission Testing Requirements	
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. 335-3-105(3) and 335-3-104(1)

General Permit Provisos				
Federally Enforceable Provisos	Regulations			
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.				
To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:	ADEM Admin. Code r. 335-3-104			
(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.				
(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning).				
(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.				
(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.				
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.	ADEM Admin. Code r. 335-3-104			
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.				
23. Payment of Emission Fees				
(a) The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-704 according to the schedule in ADEM Admin. Code r. 335-1-705.	ADEM Admin. Code r. 335-1-705			

(b) The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM 335-1-7-.05

Facility No. 601-S008

Admin. Code r. 335-1-7-.05.

General	<b>Permit</b>	<b>Provisos</b>
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General Permit Provisos			
Federally Enforceable Provisos	Regulations		
24. Other Reporting and Testing Requirements			
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.	ADEM Admin. Code r. 335-3-104(1)		
25. Title VI Requirements (Refrigerants)			
Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.	ADEM Admin. Code r. 335-3-1605(a)		
No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.			
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.			
26. Chemical Accidental Prevention Provisions			
If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:	40 CFR Part 68		
(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.			
(b) The owner or operator shall submit one of the following:			
(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,			
(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.			

General	Permit	<b>Provisos</b>
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General Permit Provisos			
Federally Enforceable Provisos	Regulations		
27. Display of Permit			
This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.	ADEM Admin. Code r. 335-3-1401(1)(d)		
28. Circumvention			
No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.	ADEM Admin. Code r. 335-3-110		
29. Visible Emissions			
Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.	ADEM Admin. Code r. 335-3-401(1)		
30. Fuel-Burning Equipment			
Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-403.	ADEM Admin. Code r. 335-3-403		
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. 335-3-501.	ADEM Admin. Code r. 335-3-501		
31. Process Industries - General			
Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-404.	ADEM Admin. Code r. 335-3-404		
32. Averaging Time for Emission Limits			
Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.	ADEM Admin. Code r. 335-3-105		

General Permit Provisos			
Federally Enforceable Provisos	Regulations		
33. Open Burning  Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.	ADEM Admin. Code r. 335-3-301		

# Emission Unit No. 001 (Wood-Fired Boiler) Summary Page

**Description:** 90 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 Point No.	Description	Pollutant	Emission limit	Regulation
		РМ	0.20 gr/dscf @ 50% excess air	ADEM Admin. Code r. 335-3-408(d)
		$\mathrm{SO}_2$	4.0 lb/MMBtu of heat input	ADEM Admin. Code r. 335-3-501(b)
WB	Boiler Multiclone Exhaust Stack	НАР	400,000,000 pounds of steam per year during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-1403

# Emission Unit No. 001 (Wood-Fired Boiler) Unit Specific Provisos

	Federally Enforceable Provisos	Regulations
1.	Applicability	
	(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-1603, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-1603
	<b>(b)</b> 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 60, Subpart A, General Provisions.	40 CFR 63, Subpart JJJJJJ
2.	Emission Standards	
	(a) The Permittee shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period from this boiler. At no time shall the permittee discharge a 6-minute average opacity of particulate emissions greater than 40% from this boiler.	ADEM Admin. Code r. 335-3-401
	<b>(b)</b> The permittee shall not cause or allow emissions of sulfur dioxide from this unit to exceed 4.0 lb/MMBtu of heat input.	ADEM Admin Code r. 335-3-501(b)
	(c) The permittee shall not cause or allow particulate emissions from this boiler to exceed 0.20 grains per dry standard cubic foot (gr/dscf), adjusted to fifty percent (50%) excess air.	ADEM Admin. Code r. 335-3-408(2)(d)
	(d) The permittee shall not cause or allow the boiler to exceed 400,000,000 pounds of steam per year during any consecutive 12-month period.	
3.	Compliance and Performance Test Methods and Procedures	
	(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.	ADEM Admin. Code r. 335-3-105
	<b>(b)</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.	ADEM Admin. Code r. 335-3-105

		Federally Enforceable Provisos	Regulations
	(c)	Any compliance or performance test required shall be conducted, data reduced/calculated, and presented 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.	ADEM Admin. Code r. 335-3-105
4.	En	nission Monitoring	
	(a)	The permittee shall only burn wood for fuel, unless prior approval is received from the Air Division.	ADEM Admin. Code r. 335-3-1605(c)
	(b)	At least once daily during daylight hours while the boiler is operating, a qualified visible emissions observer shall determine the instantaneous opacity of the exhaust stack. Within 30 minutes of observing instantaneous visible emissions greater than 15% opacity, a qualified visible emissions observer shall conduct a Method 9 visible emissions observation for a minimum of 12 minutes.	ADEM Admin. Code r. 335-3-1605(c)
	(c)	If the average opacity during a Method 9 observation exceeds 15% opacity, corrective action shall be initiated as soon as practicable but no longer than 24 hours after the time of observation to identify and correct the problem, followed by an additional Method 9 for 12 minutes to confirm that the visible emissions have been reduced to no greater than 10% opacity.	ADEM Admin. Code r. 335-3-1605(c)
	(d)	To ensure proper operation, the multiclone shall be inspected at least annually, but more frequently if visible emissions greater than 15% opacity 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.	ADEM Admin. Code r. 335-3-1605(c)
	(e)	Within 10 days of the end of each calendar month, the permittee shall calculate the pounds of steam produced for the boiler for the previous month and previous consecutive 12-month period and determine compliance with the production limitation	ADEM Admin. Code r. 335-3-1605(c)2
	<b>(f)</b>	The permittee shall conduct a performance tune-up of this boiler on a biennial basis. Each tune-up shall be conducted no more than 25 months after the previous tune-up except as allowed in 40 CFR §63.11223(c). 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 §63.11223(b), which may include, but not be limited to:	40 CFR §63.11201, §63.11223, and Table 2 to 40 CFR Part 63, Subpart JJJJJJ

#### Federally Enforceable Provisos

#### Regulations

- (1) Inspect the burner(s) and clean or replace any components of the burner(s), as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner at least once every 36 months);
- (2) Inspect the flame pattern(s) and adjust the burner(s) as necessary to optimize the flame pattern(s). The adjustment shall be consistent with the manufacturer's specifications, if available;
- (3) Inspect the system controlling the air-to-fuel ratios and ensure that they are correctly calibrated and functioning properly;
- (4) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available;
- (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);
- (6) Prepare a report containing the following information:
  - 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.
  - ii. A description of any corrective actions taken as a part of the tune-up of this boiler.
  - iii. The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

		Federally Enforceable Provisos	Regulations
5.	Rec	cordkeeping and Reporting Requirements	
		The permittee shall maintain records of emission monitoring performed in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:	ADEM Admin. Code r. 335-3-1605(c)
		(i) The date, time, and results of each daily observation for greater than 15% visible emissions;	
		(ii) The date(s), nature, and results of any corrective action taken when greater than 15% opacity visible emissions were observed;	
		(iii) The date(s) the cyclone was inspected for proper operation and, if the results of the inspection indicated that cleaning or emissions-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed.	
	(b) The permittee shall maintain records of the boiler steam production on a monthly and consecutive 12-month period. These records shall be calculated within 10 days of the end of each month and kept readily available on-site in a permanent form suitable for inspection for a period of five (5) years from the date of generation		ADEM Admin Code r. 335-3-1605(c)2
		The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 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:	ADEM Admin. Code r. 335-3-1605(c)
		(i) 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;	
		(ii) The date(s), time, nature, and results of any corrective action taken; and	
		(iii) 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.	
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	Federally Enforceable Provisos	Regulations
(d)	The permittee shall prepare biennial compliance reports in accordance with 40 CFR §63.11225(b). Reports should be prepared by <b>March 1</b> st of every other year following the submission of the initial compliance report. The permittee shall maintain the report in a permanent form and shall make the report readily available for inspection upon request.	40 CFR §63.11225(b)
(e)	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:	40 CFR §63.11225(c)
	(i) 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;	
	(ii) Records to document conformance with the management practices required by 40 CFR §63.11214 as specified in 40 CFR §63.11225(c)(2)(i) and (ii);	
	(iii) Records of the occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment; and	
	(iv) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore to malfunctioning boiler, air pollution control, or monitoring equipment to its normal or useful manner of operation.	

### Emission Unit Nos. 002, 003, & 004 (Lumber Dry Kiln Nos. 2, 3, & 4) Summary Page

**Description: 002**: 140 MBF High-Temperature Lumber Dry Kiln No. 2

**003:** 147 MBF High-Temperature Lumber Dry Kiln No. 3

**004:** 76 MBF High-Temperature Lumber Dry Kiln No. 4

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 Point No.	Description	Pollutant	Emission limit	Regulation
	Lumber Dry Kiln Nos. 2, 3 & 4 Roof Vents	PM	E = $3.59(P)^{0.62}$ for P<30 TPH Or E = $17.31(P)^{0.16}$ for P≥30 TPH	ADEM Admin. Code r. 335-3-404
DK-4	•	НАР	Production Limit: 80,133,334 BF during any consecutive 12- month period.	ADEM Admin. Code r. 335-3-1403

# Emission Unit No. 002, 003, & 004 (Lumber Dry Kiln Nos. 2, 3, & 4) Unit Specific Provisos

	Federally Enforceable Provisos	Regulations
1.	Applicability	
	(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-1603, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-1603
	<b>(b)</b> These units are subject to the applicable requirements of 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD.	ADEM Admin. Code r. 335-3-1106(81) and 335-3-1106(1)
2.	Emission Standards	
	(a) The permittee shall not cause or allow the emission of particulate matter in any one hour from these units in excess of the amount determined by the following equation:	ADEM Admin. Code r. 335-3-404
	$E = 3.59 P^{0.62}$ (P < 30 TPH)	
	Or	
	$E = 17.31 \ P^{0.16}  (P \ge 30 \ \text{TPH})$	
	where $E = \text{Emissions in pounds per hour}$	
	<i>P</i> = Process weight in tons per hour.	
	<b>(b)</b> The permittee shall not cause or allow the facility-wide lumber dry kiln production to exceed 80,133,334 BF during any consecutive 12-month period.	
3.	Compliance and Performance Test Methods and Procedures	
	(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.	ADEM Admin. Code r. 335-3-105

	Federally Enforceable Provisos	Regulations
	(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.	ADEM Admin. Code r. 335-3-105
4.	Emission Monitoring	
	(a) 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 and the facility-wide emissions of any combination of HAPs to equal or exceed 25 tons during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-1404
	<b>(b)</b> Within 10 days of the end of each calendar month, the permittee shall calculate the combined production from all lumber dry kilns for the previous month and previous consecutive 12-month period and determine compliance with the production limitation.	ADEM Admin. Code r. 335-3-1605(c)2
5.	Recordkeeping and Reporting Requirements	1
	(a) The permittee shall maintain records of the combined production from all lumber dry kilns on a monthly and 12-month rolling total basis. These records shall be calculated within 10 days of the end of each month and kept readily available on-site in a permanent form suitable for inspection for a period of five (5) years from the date of generation.	ADEM Admin. Code r. 335-3-1605(c)2
	<b>(b)</b> Should this facility, at any time, exceed any limit, the permittee shall notify the Air Division within two (2) working days of determining that the exceedance occurred.	

### Emission Unit No. 005 (Planer Mill) Summary Page

**Description:** Planer Mill Operations with Two (2) Cyclones in Series

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 Point No.	Description	Pollutant	Emission limit	Regulation
PL	Planer Mill Cyclone Exhaust Stack	PM	E = $3.59(P)^{0.62}$ for P<30 TPH Or E = $17.31(P)^{0.16}$ for P≥30 TPH	ADEM Admin. Code r. 335-3-404

# Emission Unit No. 005 (Planer Mill) Unit Specific Provisos

	Federally Enforceable Provisos	Regulations
1.	Applicability	
	This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-1603, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-1603
2.	Emission Standards	
	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:	ADEM Admin. Code r. 335-3-404
	$E = 3.59 \ P^{0.62} \ (P < 30 \ \text{TPH})$	
	Or	
	$E = 17.31 \ P^{0.16} \ (P \ge 30 \ \text{TPH})$	
	where $E = \text{Emissions in pounds per hour}$	
	P = Process weight in tons per hour	
3.	Compliance and Performance Test Methods and Procedures	
	(a) If testing is required, the particulate emission rate from this process shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.	ADEM Admin. Code r. 335-3-105
	<b>(b)</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.	ADEM Admin. Code r. 335-3-105
4.	Emission Monitoring	
	(a) At least weekly during daylight hours, while the process is operating, the permittee shall visually observe the exhaust from the cyclone for the presence of greater than normal visible emissions.	ADEM Admin. Code r. 335-3-1605(c)

		Federally Enforceable Provisos	Regulations
	(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.	ADEM Admin. Code r. 335-3-1605(c)
	(c)	The cyclones shall be inspected for proper operation and cleaned at least annually, but more frequently whenever observed visible emissions are greater than normal. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated as soon as practicable but no longer than 24 hours from the completion of the inspection.	ADEM Admin. Code r. 335-3-1605(c)
5.	Re	cordkeeping and Reporting Requirements	
	(a)	The permittee shall maintain records of emission monitoring performed in a permanent form on-site and available for inspection for at least five (5) years from the date of generation of each record. These records shall include:	ADEM Admin. Code r. 335-3-1605(c)
		(i) The date, time, and results of each weekly observation for greater than normal visible emissions;	
		(ii) The date(s), time, nature, and results of any corrective action taken when greater than normal visible emissions were observed;	
		(iii) The date(s) and time the cyclones were 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.	
	(b)	The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for this emission unit:	ADEM Admin. Code r. 335-3-1605(c)

Federally Enfo	ceable Provisos Regula	tions
than normal visib	thether all observations for greater le emissions were completed as e reporting period, and if not, the (s) why the monitoring was not	
cyclones were acc	hether the annual inspection of the complished during the reporting e date and results of the inspection;	
action taken when emissions were obs	ature, and results of any corrective (1) greater than normal visible served or (2) an inspection of the that cleaning or emissions-related	

### Emission Unit No. 006 (Sawmill Operations) Summary Page

**Description:** Sawmill Operations (Including Debarking and Cutting Operations)

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

Emission Point No.	Description	Pollutant	Emission limit	Regulation
F-SM	Fugitive Emissions	PM	N/A	N/A

# Emission Unit No. 006 (Sawmill Operations) Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. Applicability	
This process is subject to the applicable requirements Admin. Code r. 335-3-1603, "Major Source Operating I	
2. Emission Standards	
There are no unit-specific emission standards applicable process.	le to this N/A
3. Compliance and Performance Test Methods and Proc	<u>edures</u>
(a) If testing is required, the particulate emission rate process shall be determined in accordance with Methology Part 60, Appendix A.	
(b) Any compliance or performance test required conducted and data reduced in accordance with methods and procedures contained in each specific condition unless the Director (1) specifies or appropriate specific cases, the use of a reference method with changes in methodology, (2) approves the use of an elementary of the condition of (3) approves the use of an alternative method, or (3) approves the use of an alternative method of which he has determined to be adequired.	the test 335-3-105 fic permit broves, in the minor equivalent ethod, the quate for
4. Emission Monitoring	
There are no unit-specific emission monitoring require this process.	ments for N/A
5. Recordkeeping and Reporting Requirements	
There are no unit-specific recordkeeping or reporting requ for this process.	airements N/A

### **Emission Unit No. 008 (Emergency Generator) Summary Page**

**Description:** 

377.16 bhp Detroit 6V92T, 2-Stroke, Rich Burn, Diesel-Fired Reciprocating Internal Combustion Engine (Emergency Generator)

Emission Point No.	Description	Pollutant	Emission limit	Regulation
F-GEN	Fugitive Emissions	НАР	N/A	40 CFR 63, Subpart ZZZZ

# Emission Unit No. 008 (Emergency Generator) Unit Specific Provisos

	Federally Enforceable Provisos	Regulations
1.	Applicability	
	(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-1603, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-1603
	<b>(b)</b> This unit is an existing affected source with no requirements under 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and Subpart A, General Provisions.	ADEM Admin. Code r. 335-3-1106(103); 40 CFR 63, Subpart ZZZZ
2.	Emission Standards	
	(a) The Permittee shall comply with the applicable requirements of 40 CFR §63.6595, 40 CFR§63.6603 and Table 2d to Subpart ZZZZ, which include, but may not be limited to:	40 CFR §63.6595 & 40 CFR §63.6603
	(i) Meet the following work practice requirements:	40 CFR §63.6595 & 40 CFR §63.6603
	a. Change oil and filter every 500 hours of operation or annually, whichever comes first	10 CT R 300.0000
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and	
	<ul> <li>Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</li> </ul>	
	(ii) During periods of startup, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.	

#### Regulations

- (iii) If a unit is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.
- **(b)** The Permittee shall not operate this unit except as provided in 40 CFR §63.6640(f)(1)(i) through (f)(1)(iii), which include but may not be limited to:
  - (i) Emergency situations;
  - (ii) Maintenance checks and readiness testing, not to exceed 100 hours per year; and
  - (iii) 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)

#### 3. Emission Monitoring

(a) The Permittee shall operate and maintain this unit according to the manufacturer's emission-related written instructions or 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.

40 CFR §63.6625(e) & 40 CFR §63.6640(a)

**(b)** The Permittee shall install a non-resettable hour meter if one is not already installed

40 CFR §63.6625(f)

#### 4. Recordkeeping and Reporting Requirements

(a) The Permittee shall keep records of the operation and maintenance of the unit in accordance with 40 CFR §63.6655. At a minimum, these records shall include:

ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6655

- (i) 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;
- (ii) The total number of hours the engine was operated during a calendar year subtotaled by the reason the engine was in operation;

	Federally Enforceable Provisos	Regulations
	(iii) The dates of each oil and filter change with the corresponding hour on the hour meter;	
	(iv) The dates of each inspection and replacement of air cleaners, hoses, and belts with the corresponding hour on the hour meter; and	
	(v) The dates and nature of other emission-related repairs and maintenance performed.	
e a p	The Permittee shall maintain on-site for the life of each unit either a copy of the manufacturer's emission-related operation and maintenance instructions for the unit or the maintenance plan developed in accordance with 40 CFR §63.6625(e) for the unit.	ADEM Admin. Code r. 335-3-1605(c)
a A re fi e a y	The Permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR 63, Subparts and ZZZZ for this unit recorded in a form suitable and eadily available for expeditious inspection and review. The iles 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 rears of data shall be retained on-site. The remaining 3 years of data may be retained off-site.	ADEM Admin. Code r. 335-3-1605(c), 40 CFR §63.6660, and 40 CFR §63.10(b)(1)
p in d fe r	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 lue to emergency operation or unacceptable risk under a rederal, state, or local law. The Permittee shall submit the eport within two working days of the deviation and shall provide an explanation as to why the work practice requirement was not performed.	ADEM Admin. Code r. 335-3-1605(c) and 40 CFR §63.6640(b)