STATEMENT OF BASIS

MDLG, Inc., dba Phenix Lumber Company
Phenix City, Russell County, Alabama
Facility No. 211-S001

This draft initial Title V Major Source Operating Permit (MSOP) is issued under the provisions of ADEM Admin. Code chap. 335-3-16. The above named applicant has requested authorization to perform the work or operate the facility shown on the application and drawings, plans, and other documents attached hereto or on file with the Air Division of the Alabama Department of Environmental Management, in accordance with the terms and conditions of this permit.

Phenix Lumber Company (PLC) operates a softwood lumber sawmill in Phenix City, Alabama. The significant sources of air pollutants at this facility are a 46.4 MMBtu/hr wood-fired boiler with a multiclone, two (2) 120 MBF steam-heated lumber dry kilns, and a planer mill with cyclone. The debarking and sawmill operation with a chipper with cyclone is also considered to be a significant source of air pollutants. Insignificant emission sources at this facility include internal combustion engines, loading and storage of organic compounds, unpaved roads, ash handling, dry kiln bundling, and miscellaneous wood storage and handling.

Applicability: Federal Regulations

Title V

PLC is considered a major source under Title V regulations because potential emissions for particulate matter (PM), carbon monoxide (CO), and volatile organic compounds (VOC) each exceed the 100 TPY major source threshold. It is considered a minor source of Hazardous Air Pollutants (HAP) due to facility-wide emissions being less than 10 TPY for any single HAP and 25 TPY for any combination of HAPs. Nevertheless, in order to ensure the facility would not be subject to 40 CFR Part 63, Subpart DDDDD, the facility requests that individual HAP be limited to 9.5 TPY and combined HAP be limited to 24.5 TPY.

Prevention of Significant Deterioration (PSD)

The facility operations are not one of the 28 listed major source categories, and the facility is located in an attainment area for all criteria pollutants. Therefore, the major source thresholds of concern are 250 TPY for criteria pollutants. The facility is a minor source under PSD regulations, as no criteria pollutant potential emissions exceed the major source thresholds.

NSPS

The 46.4 MMBtu/hr wood-fired Boiler is not subject to the New Source Performance Standards for boilers, 40 CFR 60, Subpart Dc due to its manufacture date prior to the June 9, 1989, applicability date.

MACT

PLC is an area source of HAP; therefore, the wood-fired boiler is subject to 40 CFR 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources. The boiler is classified as an existing source. The boiler is subject to a work practice standard requiring biennial tune-ups, conducted in accordance with 40 CFR §63.11223. The first biennial tune-up required by 40 CFR §63.11196 was conducted on May 7, 2015. Each biennial tune-up is required no more than 25 months after the previous tune-up. The boilers are also subject to the general duty to minimize emissions in accordance with 40 CFR §63.11205(a).

The Notification of Compliance Status specified in 40 CFR §63.11196, which indicates that the required initial tune-up has been conducted, was submitted on June 30, 2015. The Notification of Compliance Status is required to include a statement indicating that the facility complies with the requirements in 40 CFR §63.11214 to conduct an initial tune-up of the boilers.

PLC is required to comply with the notification, reporting, and recordkeeping requirements outlined in 40 CFR §63.11225. The facility is required to keep a copy of each notification and report submitted to comply with Subpart JJJJJJ, and all documentation supporting any Initial Notification of Applicability or Notification of Compliance Status that is submitted. In addition, the facility is required to keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. Also, the facility is required to maintain records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning boiler to its normal or useful manner of operation. The records are required to be kept in a form suitable and readily available for expeditious review. Each record is required to be retained for a period of five (5) years following the date of each recorded action. For the first two (2) years of this five (5) year period, the records are required to be kept on-site.

Work practice recordkeeping requirements would include the following:

- Tune-up

  - *For Initial Tune-up*: The facility is required to conduct a performance tune-up and submit a signed statement in the Notification of Compliance Status report that indicates that a tune-up of the boiler was conducted. PLC conducted the initial tune-up on May 7, 2015.

- *For Subsequent Tune-ups*: The facility is required to conduct a performance tune-up and prepare a biennial compliance certification that indicates the facility complied with all the relevant standards and requirements of Subpart JJJJJJ. These reports are not required to be submitted unless requested by the Air Division or EPA.

- For all tune-ups, the facility is required to keep records of the dates and procedures of each boiler tune-up and the fuel used by the boiler.

PLC is required to submit biennial compliance certification reports in accordance with 40 CFR §63.11225(b).

Applicability: State Regulations

Particulate Matter

The wood-fired boiler is subject to the particulate matter (as TSP) emission limitations of ADEM Admin. Code r. 335-3-4-.08(2)(d), which limits each boiler to 0.20 gr/dscf, adjusted to 50% excess air. The boiler is also subject to the State visible emissions standards of ADEM Admin. Code r. 335-3-4-.01(1).

The sawmill's chipper cyclone and planer mill's wood waste cyclone and the two (2) dry kilns are each subject to the particulate matter (as TSP) emission limitations of ADEM Admin. Code r. 335-3-4-.04(1) for Process Industries-General. The allowable emission rate for each process is calculated using the following process weight equation:

$$E = 3.59(P)^{0.62} \text{ (P <30 tons per hour)}$$

OR

$$E = 17.31(P)^{0.16} \text{ (P >30 tons per hour)}$$

Where E = Emissions in pounds an hour

P = Process weight in tons per hour

In addition to the above limitations, ADEM Admin. Code r. 335-3-4-.01(1) sets forth a visible emissions standard which states that each stationary source at the facility shall not emit particulate matter of an opacity greater than twenty percent (20%), as determined by a six-minute average and at no time shall a six-minute average opacity of particulate emissions be greater than forty percent (40%) from any source.

Sulfur Oxides (SO_X)

The wood-fired boiler is subject to the sulfur oxides (as SO_2) emission limitations of ADEM Admin. Code r. 335-3-5-.01(b), which limits the boilers to 4.0 lb/MMBtu heat input. However, emissions of SO_2 would be expected to be negligible since the boiler is only fired with wood.

Emission Testing and Monitoring

001 -- 46.4 MMBtu/hr Wood-Fired Boiler with Multiclone

This boiler is equipped with a multiclone for the removal of particulate emissions from the gas stream. It was manufactured in 1982 and installed at PLC in 2002 and has a history of emission problems; however, it is expected to be able to continuously comply with State particulate emission standards. No initial compliance test would be required by the MSOP. However, if emission problems should occur, testing may be required at that time.

- The instant opacity of the boiler/multiclone's stack emissions shall be determined by a qualified visible emissions observer to read visible emissions at least once per day during the daylight hours, while the boiler is operating. If the instant opacity is greater than 10%, an individual qualified to read visible emissions shall conduct a Method 9 visible emissions observation within 30 minutes for a minimum of 12 minutes.
- If the average opacity during the Method 9 visible emissions observation exceeds 10% opacity, corrective action shall be initiated as soon as practicable but no longer than 24 hours after the 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.
- The multiclone shall be inspected for proper operation at least annually, but more frequently whenever visible emissions greater than 10% opacity are determined by a Method 9 Visible Emissions Observation. 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 after completing the inspection.

Due to the minimal expected SO_2 emissions from the combustion of wood waste, no emission testing or monitoring for SO_2 is considered necessary.

002-- 120 MBF Steam-heated Dry Kiln No. 1
003 -- 120 MBF Steam-heated Dry Kiln No. 2

The lumber in the kilns is dried via radiant heat from closed steam coils resulting in negligible particulate emissions. Emissions from the kiln vents are primarily condensed water vapor and VOC driven off from the drying lumber. Due to the nature of the emissions from the kilns, emission testing and monitoring for the SIP visible emission and particulate standards is not considered practical. However, to prove compliance with the HAP limitations PLC is limited to 36 million board feet (MMBF) of combined production of lumber for the dry kilns during any consecutive 12-month period. Within fifteen (15) days of the end of each calendar month, PLC shall calculate, the combined lumber throughput for the dry kilns for the previous calendar month and the consecutive 12-month period to determine compliance with the throughput limitation.

004 -- Planer Mill with One (1)Wood Waste Cyclone

This process utilizes a cyclone in the transfer of wood waste to a storage bin. For compliance with the particulate and visible emission standards, emission monitoring for the cyclones would include:

- While the process is operating, someone familiar with the process shall observe the visible emissions from the cyclone at least daily during daylight hours for greater than normal visible emissions as determined by previous observations of normal operations.

- Whenever observed visible emissions are greater than normal, corrective action to minimize emissions shall be initiated within 24 hours, followed by an additional observation to confirm that emissions are reduced to normal.

- The cyclone shall be inspected for proper operation 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 within 24 hours of completing the inspection.

005 -- Debarking and Sawmill Operations with Chipper and Cyclone

This process utilizes a chipper with cyclone in the transfer of wood waste to a fuel bin. Other emissions from this operation are fugitive. For compliance with the particulate and visible emission standards, emission monitoring for the cyclones would include:

- While the process is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least daily during daylight hours for greater than normal visible emissions as determined by previous observations of normal operations.

- Whenever observed visible emissions are greater than normal, corrective action to minimize emissions shall be initiated within 24 hours, followed by an additional observation to confirm that emissions are reduced to normal.

- The cyclone shall be inspected for proper operation 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 within 24 hours of completing the inspection.

Recordkeeping and Reporting Requirements

The facility would be required to maintain records for the required emission monitoring of Emission Unit Nos. 001, 004, and 005 on-site in a permanent form suitable for inspection and readily available for at least five (5) years from the date of generation of each record. These records would include (as applicable):

- The date, time, and results of each emission observation;

- The date(s), nature, and results of any corrective action taken when deviations from an emission monitoring parameter were observed; and

- The date(s) the control device was inspected for proper operation and, if the results of the inspection indicated that cleaning or emission-related maintenance was needed, the date(s) and nature of the cleaning/maintenance performed.

For Emission Unit Nos. 002 and 003 (2 Dry Kilns), the facility would be required to maintain records of lumber production on a 12-month rolling total basis to determine annual VOC and HAP emissions applicable to these units. The permittee is required to submit a report to the Air Division by March 1st of each year that includes the 12-month rolling totals for lumber throughput calculated during the previous calendar year (i.e. one 12-month rolling total per month). The facility would also be required to maintain these records on-site in a permanent form suitable for inspection and readily available for inspection for at least five (5) years from the date of generation of each record.

The facility would be required to include the following information (as applicable) in the Semiannual Monitoring Report required by General Permit Proviso No. 21:

- A statement as to whether all emission observations were completed as required during the reporting period, and if not, the date(s) and reasons(s) why the monitoring was not performed;

- A statement as to whether the annual inspection of the cyclone/multiclone was accomplished during the reporting period, and if so, the date and results of the inspection;

- The date(s), nature, and results of any corrective action taken when (1) a deviation from an emission monitoring parameter was observed or (2) an inspection of the cyclone/multiclone indicated that cleaning or emission-related maintenance was needed; and

- The lumber production for each consecutive 12-month period during the reporting period.

Compliance Assurance Monitoring (CAM)

The 46.4 MMBtu/hr wood-fired boiler (001) is equipped with a multiclone to remove particulate matter in the gas stream. Similarly, the chipper cyclone (005) is used to remove particulate matter and direct it to the fuel bin. Both processes have a pre-control PTE greater than the applicable major source threshold (100 TPY). However, the boiler multiclone and chipper cyclone are inherent to the processes and therefore not subject to CAM applicability. The planer mill cyclone (004) emissions are less than the applicable major source threshold (100 TPY) and are not subject to CAM.

Recommendation

Based on the above analysis, I recommend that Phenix Lumber Company be issued a Major Source Operating Permit (211-S001) pending the resolution of any comments received during the 30-day public comment period and the 45-day EPA review.

Rachael Broadway
Chemical Branch
Air Division

November 4, 2016
Date

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: MDLG, INC., DBA PHENIX LUMBER COMPANY

FACILITY NAME: PHENIX LUMBER COMPANY

FACILITY/PERMIT NO.: 211-S001

LOCATION: PHENIX CITY, RUSSELL COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, 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

Alabama Department of Environmental Management

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General Permit Provisos

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. 335-3-16-.13(1)(a)5.	ADEM Admin. Code r. 335-3-16-.02(6)
2. <u>Renewals</u>	
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. 335-3-16-.12(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. <u>Severability Clause</u>	
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. 335-3-16-.05(e)
4. <u>Compliance</u>	
(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. 335-3-16-.05(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. 335-3-16-.05(g)
5. <u>Termination for Cause</u>	
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. 335-3-16-.05(h)

Federally Enforceable Provisos	Regulations
6. <u>Property Rights</u>	
The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	ADEM Admin. Code r. 335-3-16-.05(i)
7. <u>Submission of Information</u>	
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. 335-3-16-.05(j)
8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u>	
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. 335-3-16-.05(k)
9. <u>Certification of Truth, Accuracy, and Completeness</u>	
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. 335-3-16-.07(a)
10. <u>Inspection and Entry</u>	
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. 335-3-16-.07(b)
(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;	

Federally Enforceable Provisos	Regulations
(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. <u>Compliance Provisions</u>	
(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. 335-3-16-.07(c)
(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.	
12. <u>Compliance Certification</u>	
The permittee shall submit a complete and accurate compliance certification by **XXX XX** of each year for each annual reporting period of this permit (XXX XX – XXX XX).	ADEM Admin. Code r. 335-3-16-.07(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. 335-3-16-.05(c) (Monitoring and Recordingkeeping 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;	
(b) The compliance certification shall be submitted to:	

Federally Enforceable Provisos	Regulations
Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to: Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303	
13. <u>Reopening for Cause</u>	
Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit: (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire. (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit. (c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.	ADEM Admin. Code r. 335-3-16-.13(5)
14. <u>Additional Rules and Regulations</u>	
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 Alabama 1975</u>, as amended

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15. <u>Equipment Maintenance or Breakdown</u>	
(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:	ADEM Admin. Code r. 335-3-1-.07(1),(2)
(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 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. <u>Operation of Capture and Control Devices</u>	
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.	§22-28-16(d), <u>Code of Alabama 1975</u>, as amended

Federally Enforceable Provisos	Regulations
17. <u>Obnoxious Odors</u>	
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. <u>Fugitive Dust</u>	
(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. <u>Additions and Revisions</u>	
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. <u>Recordkeeping Requirements</u>	
(a) Records of required monitoring information of the source shall include the following:	ADEM Admin. Code r. 335-3-16-.05(c)2.

Federally Enforceable Provisos	Regulations
(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. <u>Reporting Requirements</u>	
(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).	ADEM Admin. Code r. 335-3-16-.05(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. <u>Emission Testing Requirements</u>	
Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.	ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)
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.	

Federally Enforceable Provisos	Regulations
To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:	ADEM Admin. Code r. 335-3-1-.04
(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. 335-3-1-.04
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. <u>Payment of Emission Fees</u>	
(a) The Permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.	ADEM Admin. Code r. 335-1-7-.05
(b) The Permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.	ADEM Admin. Code r. 335-1-7-.05
24. <u>Other Reporting and Testing Requirements</u>	
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. 335-3-1-.04(1)

Federally Enforceable Provisos	Regulations
25. <u>Title VI Requirements (Refrigerants)</u>	
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. 335-3-16-.05(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. <u>Chemical Accidental Prevention Provisions</u>	
If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:	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 § 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.	
27. <u>Display of Permit</u>	
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. 335-3-14-.01(1)(d)

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

Emission Unit No. 001 (Wood-Fired Boiler)

Summary Page

Description: 46.4 MMBtu/hr wood-fired boiler with multiclone

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

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
WB1	Boiler Multiclone Exhaust	PM	0.20 gr/dscf @ 50% excess air	ADEM Admin. Code r. 335-3-4-.08
		SO_2	4.0 lb/MMBtu heat input	ADEM Admin. Code r. 335-3-5-.01

Emission Unit No. 001 (Wood-Fired Boiler)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u>	
(a) This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
(b) This boiler is subject to the applicable requirements of 40 CFR 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions.	40 CFR 63, Subpart JJJJJJ
2. <u>Emission Standards/Management Practices</u>	
(a) 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. 335-3-4-.08(2)(d)
(b) The permittee shall not cause or allow sulfur dioxide emissions from this boiler to exceed 4.0 pounds lb/MMBtu of heat input.	ADEM Admin. Code r. 335-3-5-.01(b)
(c) The permittee shall conduct a performance tune-up of this boiler on a biennial basis. The initial tune-up was conducted on **May 7, 2015.** 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:	40 CFR §63.11201, §63.11223, and Table 2 to 40 CFR 63, Subpart JJJJJJ
(i) Inspect the burner and clean or replace any components of the burner, as necessary;	
(ii) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment shall be consistent with the manufacturer's specifications, if available;	
(iii) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly;	
(iv) Optimize total emissions of carbon monoxide. This optimization shall be consistent with the manufacturer's specifications, if available;	

Federally Enforceable Provisos	Regulations
(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);	
(vi) Prepare a biennial report containing the following information:	
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.	
B. A description of any corrective actions taken as a part of the tune-up of the boiler.	
C. The type and amount of fuel used over the 12 months prior to the biennial tune-u p of the boiler.	
(d) 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.	40 CFR §63.11205
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(a) If testing is required, the particulate emission rate from this unit shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.	ADEM Admin. Code r. 335-3-1-.05
(b) If testing is required, the sulfur dioxide emission rate shall be measured in accordance with Method 6 or 6C at 40 CFR Part 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
(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.	ADEM Admin. Code r. 335-3-1-.05
4. <u>Emission Monitoring</u>	
(a) The permittee shall only burn wood for fuel, unless prior approval is received from the Air Division.	ADEM Admin. Code r. 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
(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 10% opacity, a qualified visible emissions observer shall conduct a Method 9 visible emissions observation (VEO) for a minimum of 12 minutes.	ADEM Admin. Code r. 335-3-16-.05(c)
(c) If the average opacity during a Method 9 observation exceeds 10% opacity, corrective action shall be initiated as soon as practicable but no longer than 24 hours after the 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. 335-3-16-.05(c)
(d) To ensure proper operation, the permittee shall inspect the multiclone at least annually, but more frequently if visible emissions greater than 10% opacity are determined by a Method 9 VEO. 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 after completing the inspection.	ADEM Admin. Code r. 335-3-16-.05(c)
5. <u>Recordkeeping and Reporting Requirements</u>	
(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. 335-3-16-.05(c)
(i) The date, time, and results of each daily opacity observation and, if required, Method 9 VEO;	
(ii) The date(s), nature, and results of any corrective action taken when greater than 10% opacity was determined by a Method 9 VEO; and	
(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 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. 335-3-16-.05(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) 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;	

Federally Enforceable Provisos	Regulations
(iii) The date(s), nature, and results of any corrective action taken.	
(c) The permittee shall prepare biennial compliance reports in accordance with 40 CFR §63.11225(b). The first report was submitted April 28, 2015, and subsequent reports should be prepared by **March 1st of every other year thereafter**. The permittee shall maintain the report in a permanent form and shall make the report readily available to inspection upon request.	40 CFR §63.11225(b)
(d) 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 and 003 (Lumber Dry Kilns)

Summary Page

Description: 120 MBF Steam-Heated Lumber Dry Kiln No. 1
120 MBF Steam-Heated Lumber Dry Kiln No. 2

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
K1	Dry Kiln No. 1	PM	$E = 3.59(P)^{0.62}$ for $P < 30$ TPH Or $E = 17.31(P)^{0.16}$ for $P \geq 30$ TPH	ADEM Admin. Code r. 335-3-4-.04
K2	Dry Kiln No. 2	PM	$E = 3.59(P)^{0.62}$ for $P < 30$ TPH Or $E = 17.31(P)^{0.16}$ for $P \geq 30$ TPH	ADEM Admin. Code r. 335-3-4-.04
K1 & K2	Dry Kiln No. 1 & 2	HAP	Production Limit: 36 MMBF during any consecutive 12-month period	ADEM Admin. Code r. 335-3-15-.04

Emission Unit Nos. 002 and 003 (Lumber Dry Kilns)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u>	
(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. <u>Emission Standards</u>	
(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: $E = 3.59\ P^{0.62}$ ($P < 30$ TPH) Or $E = 17.31\ P^{0.16}$ ($P \geq 30$ TPH) Where E = Emissions in pounds per hour P = Process weight in tons per hour	ADEM Admin. Code r. 335-3-4-.04
(b) The permittee shall not cause or allow the combined production from Lumber Dry Kiln Nos. 1 and 2 to exceed 36,000 MBF during any consecutive 12-month period.	ADEM Admin. Code r. 335-3-15-.04
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(a) If testing is required, the particulate emission rate from these units shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
(b) If testing is required, the volatile organic compound (VOC) emission rate shall be determined in accordance with Method 25A at 40 CFR Part 60, Appendix A, or an alternative method if prior approval is granted by the Director.	ADEM Admin. Code r. 335-3-1-.05
(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.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
4. <u>Emission Monitoring</u>	
Within fifteen (15) days after the end of each calendar month, the permittee shall calculate the combined production for Kiln Nos. 1 and 2 for the preceding month and 12-month period.	ADEM Admin. Code r. 335-3-16-.05(c)
5. <u>Recordkeeping and Reporting Requirements</u>	
(a) The permittee shall maintain records of production from Kiln Nos. 1 and 2 on a monthly and 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 be made available upon request.	ADEM Admin. Code r. 335-3-16-.05(c)
(b) Should the combined production limit be exceeded during any consecutive 12-month period, the permittee shall notify the Air Division in writing within two (2) working days of determining that the exceedances occurred.	ADEM Admin. Code r. 335-3-16-.05(c)
(c) By March 1st of each year, the permittee shall submit a report to the Air Division that includes the 12-month rolling totals of the lumber production calculated during the previous calendar year (i.e. each report would contain twelve 12-month rolling totals for the kilns).	ADEM Admin. Code r. 335-3-16-.05(c)
(d) 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 total kiln throughput for each consecutive 12-month period during the reporting period for Kiln Nos. 1 and 2.	ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. 004 (Planer Mill)

Summary Page

Description: Planer mill 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:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
C1	Cyclone #1 Exhaust Stack	PM	$E = 3.59(P)^{0.62}$ for $P < 30$ TPH Or $E = 17.31(P)^{0.16}$ for $P \geq 30$ TPH	ADEM Admin. Code r. 335-3-4-.04

Emission Unit No. 004 (Planer Mill)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u>	
This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. <u>Emission Standards</u>	
The permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation: $E = 3.59\ P^{0.62}$ ($P < 30$ TPH) Or $E = 17.31\ P^{0.16}$ ($P \geq 30$ TPH) Where E = Emissions in pounds per hour P = Process weight in tons per hour	ADEM Admin. Code r. 335-3-4-.04
3. <u>Compliance and Performance Test Methods and Procedures</u>	
If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A. Visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A, during the particulate testing.	ADEM Admin. Code r. 335-3-1-.05
4. <u>Emission Monitoring</u>	
(a) At least daily during daylight hours, while the process is operating, the permittee shall observe the exhaust from the cyclone for the presence of greater than normal visible emissions.	ADEM Admin. Code r. 335-3-16-.05(c)
(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours after the observation, followed by an additional observation to confirm that emissions have been reduced to normal.	ADEM Admin. Code r. 335-3-16-.05(c)
(c) The cyclone shall be inspected at least annually, but more frequently if greater than normal visible emissions are observed. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated as soon as practicable but no longer than 24 hours after completing the inspection.	ADEM Admin. Code r. 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
5. <u>Recordkeeping and Reporting Requirements</u>	
(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. 335-3-16-.05(c)
(i) The date, time, and results of each daily observation for greater than normal visible emissions;	
(ii) The date(s), nature, and results of any corrective action taken when greater than normal 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 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. 335-3-16-.05(c)
(i) A statement as to whether all observations for greater than normal visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed;	
(ii) A statement as to whether the annual inspection of the cyclone was accomplished during the reporting period, and if so, the date and results of the inspection;	
(iii) The date(s), nature, and results of any corrective action taken when (1) greater than normal visible emissions were observed or (2) an inspection of the cyclone indicated that cleaning or emissions-related maintenance was needed.	

Emission Unit No. 005 (Sawmill and Chipper Operations)

Summary Page

Description: Debarking and Sawmill operations with Chipper and 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:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
F-DB	Debarking	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. 335-3-4-.04
F-SM	Sawmill			
CY1	Chipper			

Emission Unit No. 005 (Sawmill and Chipper Operations)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u>	
This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. <u>Emission Standards</u>	
(a) The permittee shall not cause or permit the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation: $E = 3.59\ P^{0.62}$ (P<30 TPH) Or $E = 17.31\ P^{0.16}$ (P≥30 TPH) where E = Emissions in pounds per hour P = Process weight in tons per hour	ADEM Admin. Code r. 335-3-4-.04
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(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, or an alternative method if prior approval is granted by the Director.	ADEM Admin. Code r. 335-3-1-.05
(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. 335-3-1-.05
4. <u>Emission Monitoring</u>	
(a) At least daily during daylight hours, while the process is operating, the permittee shall observe the exhaust from the cyclone for the presence of greater than normal visible emissions.	ADEM Admin. Code r. 335-3-16-.05(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 after the observation, followed by an additional observation to confirm that emissions have been reduced to normal.	ADEM Admin. Code r. 335-3-16-.05(c)
(c) The cyclone shall be inspected at least annually, but more frequently if greater than normal visible emissions are observed. If the results of the inspection indicate that cleaning or maintenance is needed, such action shall be initiated as soon as practicable but no longer than 24 hours after completing the inspection.	ADEM Admin. Code r. 335-3-16-.05(c)
5. <u>Recordkeeping and Reporting Requirements</u>	
(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. 335-3-16-.05(c)
(i) The date, time, and results of each daily observation for greater than normal visible emissions;	
(ii) The date(s), nature, and results of any corrective action taken when greater than normal 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.	
(c) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31st). The report shall include the following information for this emission unit:	ADEM Admin. Code r. 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
(i) A statement as to whether all observations for greater than normal visible emissions were completed as required during the reporting period, and if not, the date(s) and reason(s) why the monitoring was not performed; **(ii)** A statement as to whether the annual inspection of the cyclone was accomplished during the reporting period, and if so, the date and results of the inspection; **(iii)** The date(s), nature, and results of any corrective action taken when (1) greater than normal visible emissions were observed or (2) an inspection of the cyclone indicated that cleaning or emissions-related maintenance was needed.	