



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

**Franklin Lumber Company
316 Mill Road
Bude, MS
Franklin County**

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: SEP 10 2013

Expires: AUG 31 2018

Permit No. 0820-00017

Agency Interest # 12159

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Franklin Lumber Company
 Subject Item Inventory
 Permit Number:0820-00017
 Activity ID No.: PER20110001

Subject Item Inventory:

ID	Designation	Description
AI12159	AI12159	Pine Sawmill Operation
AREA1	AA-002	Sawmill Operations which includes initial bucking saw, log debarking, canter, band saws, gang saws, optimizer, trimmer, chipper, screens, sawdust, and log handling (155 tons/hr of green logs) Planer Mill (261,000 BF/day)
AREA2	AA-003	
CONT3	AA-004	Cyclone to convey Planer Mill shavings to Kiln Storage Area. (P-2)
EQPT2	AA-005	Dry Kiln #1 (65,000 BF/charge)
EQPT3	AA-006	Dry Kiln #2 (65,000 BF/charge)
EQPT4	AA-007	Dry Kiln #3 (75,000 BF/charge)
EQPT5	AA-008	Dry Kiln #4 (21,000 BF/charge)
EQPT6	AA-009	Dry Kiln #5 (35,000 BF/charge)
EQPT7	AA-010	Wood Waste Boiler (26 MMBTU/hr)
CONT4	AA-011	Cyclone to convey Planer Mill shavings to the Wood Waste Boiler. (P-3)
CONT2	AA-012	Cyclone to convey Planer Mill shavings truck load out for sale to outside customers. (P-1) (REF AA-003C)
EQPT8	AA-013	Facility Wide Miscellaneous Fuel Burning Equipment including one (1) steam cleaner and (2) space heaters. Facility Wide Tank Storage including but not limited to one (1) 2,000 gallon Diesel tank, two (2) 500 gallon Lube Oil tanks, three (3) 500 gallon Hydraulic Oil tanks, and one (1) 150 gallon Waste Oil tank.
EQPT9	AA-014	

Subject Item Groups:

ID	Description	Components
GRPT1	Dry Kilns	EQPT2 Dry Kiln #1 (65,000 BF/charge)
		EQPT3 Dry Kiln #2 (65,000 BF/charge)
		EQPT4 Dry Kiln #3 (75,000 BF/charge)
		EQPT5 Dry Kiln #4 (21,000 BF/charge)
		EQPT6 Dry Kiln #5 (35,000 BF/charge)
GRPT2	Cyclones	CONT3 Cyclone to convey Planer Mill shavings to Kiln Storage Area. (P-2)

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ID	Description	Components
GRPT2	Cyclones	CONT4 Cyclone to convey Planer Mill shavings to the Wood Waste Boiler. (P-3)
		CONT2 Cyclone to convey Planer Mill shavings truck load out for sale to outside customers. (P-1) (REF AA-003C)

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

PCS = PCS

TRMT = Treatment

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

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AI0000012159 (AI12159) Pine Sawmill Operation:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: For the entire facility the permittee shall have emissions of Particulate Matter ≤ 99.0 tons/yr. This is considered a filterable particulate matter limitation. The test method used to determine filterable PM emissions shall measure total PM mass and the mass of PM with a diameter of 10 microns and less, unless the permittee chooses to assume all of the total filterable PM to be 10 microns or less. Should the permittee use this assumption and the stack test results show total PM emissions greater than any of the filterable PM permit limits established herein, MDEQ shall assume the emission point is out of compliance will all fractions of PM for which the stack test showed an exceedance. [APC-S-2 II.B(10)]
L-2	Particulate Matter (10 microns or less)	Particulate Matter (10 microns or less): For the entire facility the permittee shall have emissions of Particulate Matter (10 microns or less) ≤ 99.0 tons/yr. This is considered a filterable particulate matter limitation. The test method used to determine filterable PM emissions shall measure total PM mass and the mass of PM with a diameter of 10 microns and less, unless the permittee chooses to assume all of the total filterable PM to be 10 microns or less. Should the permittee use this assumption and the stack test results show total PM emissions greater than any of the filterable PM permit limits established herein, MDEQ shall assume the emission point is out of compliance will all fractions of PM for which the stack test showed an exceedance. [APC-S-2 II.B(10)]
L-3	VOC	For the entire facility the permittee shall have emissions of VOC ≤ 99.0 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.

Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]
S-2	Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually by the 31st of January. This report shall address any required monitoring specified in the permit. [APC-S-2 II.B(11)]

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AI0000012159 (continued):

Narrative Requirements:

Condition No.	Condition
T-1	For the entire facility, the permittee shall keep all control devices (as described in the equipment descriptions and the permit application) in service at all times the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	Any exceedance of the limitations outlined in this permit shall be reported to MDEQ no later than seven (7) days following the occurrence. [APC-S-2 II.B(10)]
T-3	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-4	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]
T-5	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-6	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-7	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin.Code Pt. 2, R.2.10.]
T-8	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]

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AI0000012159 (continued):

Narrative Requirements:

Condition No.	Condition
T-9	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to: (a) Violation of any terms or conditions of this permit (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or (c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]
T-10	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. 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 does not stay any condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-11	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]
T-12	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).]
T-13	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).]
T-14	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-15	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-16	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]

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Condition No.	Condition
T-17	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).]
T-18	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).]
T-19	General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include: (a) routine maintenance, repair, and replacement; (b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act; (c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act; (d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166; (e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or (f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]
T-20	General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]

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AI0000012159 (continued):

Narrative Requirements:

Condition No.	Condition
T-21	General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]
T-22	General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]
T-23	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p>

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AI0000012159 (continued):

Narrative Requirements:

Condition No.	Condition
T-24	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-25	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>

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AI0000012159 (continued):

Narrative Requirements:

Condition No.	Condition
T-26	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-27	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p>

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AREA0000000001 (AA-002) Sawmill Operations which includes initial bucking saw, log debarking, canter, band saws, gang saws, optimizer, trimmer, chipper, screens, sawdust, and log handling (155 tons/hr of green logs):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: For Emission Point AA-002, except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>Where E is the emission rate in pounds per hour and p is process weight input rate in tons per hour. [APC-S-1 3.6(a)]</p>
L-2	Opacity	<p>Opacity: For Emission Point AA-002, no person shall cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Section 3.1(a). This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 3.2]</p>
L-3		<p>The sawmill shall be limited to an individual maximum annual lumber throughput of 50 MMBF/year based on a consecutive 12-month total. [APC-S-2 II.B(10)]</p>

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AREA0000000001 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For Emission Point AA-002, the permittee shall conduct weekly observations for visible emissions. If visible emissions are observed from the emission point (six-minute interval), the permittee shall conduct visible emission evaluations (VEE) in accordance with EPA Reference Method 9. The permittee shall maintain records of weekly visible emissions observations and any VEEs that are performed in log book form. A summary report shall be submitted by January 31 for the preceeding calendar year.</p> <p>The permittee may perform the observations on multiple stacks at the same time, where multiple stacks can be viewed simultaneously. [APC-S-2 II.B(10)]</p>
M-2		<p>For Emission Point AA-002, the permittee shall record the lumber throughput on a daily basis and calculate the board feet production on a twelve month rolling total to demonstrate compliance with the 50 million board feet per year limitation. The information shall be submitted as a part of the annual report. [APC-S-2 II.B(11)]</p>
M-3		<p>For equipment associated with Emission Point AA-002, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. A written or electronic log of the date, time, and person who performed the inspection shall be maintained onsite. A summary report shall be submitted by January 31 for the preceeding calendar year.</p> <p>The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]</p>

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AREA0000000002 (AA-003) Planer Mill (261,000 BF/day):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: For Emission Points AA-003, except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>Where E is the emission rate in pounds per hour and p is process weight input rate in tons per hour. [APC-S-1 3.6(a)]</p>
L-2	Opacity	<p>Opacity: For Emission Point AA-003 no person shall cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Section 3.1(a). This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 3.2]</p>
L-3		<p>The permittee shall limit the planer mill to an individual maximum annual lumber throughput of 45 MMBF/year based on a consecutive 12-month total. [APC-S-2 II.B(10)]</p>
L-4		<p>The planer mill shall not be operated unless one of the cyclones at Emission Points AA-012, AA-004, or AA-011 is in operation. [APC-S-2 II.B(10)]</p>

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AREA0000000002 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For Emission Point AA-003 the permittee shall conduct weekly observations for visible emissions. If visible emissions are observed from the emission point (six-minute interval), the permittee shall conduct visible emission evaluations (VEE) in accordance with EPA Reference Method 9. The permittee shall maintain records of weekly visible emissions observations and results of any Method 9 observations that are performed in a written or electronic log. A summary report shall be submitted by January 31 for the preceeding calendar year.</p> <p>The permittee may perform the observations on multiple stacks at the same time, where multiple stacks can be viewed simultaneously. [APC-S-2 II.B(10)]</p>
M-2		<p>For Emission Point AA-003, the permittee shall record the lumber throughput on a daily basis and calculate the board feet production on a twelve month rolling total to demonstrate compliance with the 45 million board feet per year limitation. The information shall be submitted as a part of the annual report. [APC-S-2 II.B(10)]</p>
M-3		<p>For equipment associated with Emission Point AA-003, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. A written or electronic log of the date, time, and person who performed the inspection shall be maintained onsite. A summary report shall be submitted by January 31 for the preceeding calendar year.</p> <p>The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]</p>

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EQPT0000000007 (AA-010) Wood Waste Boiler (26 MMBTU/hr):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: No person shall cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity except as provided for in APC-S-1, Section 3.1(b) and (c). [APC-S-1 3.1(a)]
L-2	Sulfur Dioxide	Sulfur Dioxide: For Emission Point AA-010, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 2.4 pounds (measured as sulfur dioxide) per million BTU heat input. [APC-S-1 4.1(a)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For Emission Point AA-010, the permittee shall conduct weekly observations for visible emissions. If visible emissions are observed from the emission point (six-minute interval), the permittee shall conduct visible emission evaluations (VEE) in accordance with EPA Reference Method 9. The permittee shall maintain records of weekly visible emissions observations and results of any Method 9 observations that are performed in a written or electronic log. A summary report shall be submitted by January 31 for the preceeding calendar year.</p> <p>The permittee may perform the observations on multiple stacks at the same time, where multiple stacks can be viewed simultaneously. [APC-S-2 II.B(10)]</p>

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EQPT0000000007 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>The permittee shall demonstrate compliance with facility wide particulate matter and particulate matter less than 10 microns emission limitations by stack testing Emission Point AA-010 once in the life of the permit in accordance with EPA Reference Methods 1-5 and Method 201, and the permittee shall also conduct an EPA Method 9 weekly visible emissions evaluation concurrently with the stack test. The permittee shall submit a stack test report within 45 days following the stack test. For the purposes of compliance demonstration, the testing must be performed at the maximum capacity of the system or at a capacity representative of its normal operation if maximum capacity cannot be achieved.</p> <p>A pretest protocol shall be submitted at least thirty (30) days prior to the schedule test date to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that the observer may be scheduled to witness the test. [APC-S-2 II.B(10)]</p>

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee is subject to the New Source Performance Standards for Small Industrial-Commerical-Institutional Steam Generating Units, 40 CFR PART 60 Subpart Dc.Under the requirements of 40 CFR PART 60 Subpart Dc, the permittee shall, for Emission Point AA-010, record the amount of fuel combusted each day. The information shall be submitted as a part of an annual report by January 31 for the preceeding calendar year. [40 CFR 60_SUBPART Dc]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Franklin Lumber Company
Facility Requirements
Permit Number:0820-00017
Activity ID No.: PER20110001

EQPT0000000007 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>For Emission Point AA-010, the permittee shall prepare, by March 1 of each year, and submit to the Department upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (1) and (2) below.</p> <p>(1) Company name and address.</p> <p>(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:</p> <p>(i) "This facility complies with the requirements in 40 CFR 63.11223 to conduct a biennial performance tune-up for boiler AA-010." (ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit." (iii) "This facility complies with the requirement in 40 CFR 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available." [40 CFR 63.11225(b)]</p>

Narrative Requirements:

Condition No.	Condition
T-1	<p>The permittee shall burn only clean lumber or sawdust in the wood waste boiler. Clean lumber or sawdust means wood or wood products that have been cut or shaped and include wet, air-dried, and kiln-dried wood waste or products. Clean lumber does not include wood waste or products that have been painted, pigmentstained, or pressure-treated by compounds such as, but not limited to, chromate copper arsenate, pentachlorophenol, and creosote. [APC-S-2 II.B(10)]</p>

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EQPT0000000007 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	<p>For equipment associated with Emission Point AA-010, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. A written or electronic log of the date, time, and person who performed the inspection shall be maintained onsite. A summary report shall be submitted by January 31 and July 31 for the preceeding six month period.</p> <p>The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]</p>
T-3	<p>For Emission Point AA-010, the permittee is subject to and shall be in compliance with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63, Subpart JJJJJ by March 21, 2014. [40 CFR 63.11196(a)]</p>
T-4	<p>For Emission Point AA-010, the permittee shall at all times operate and maintain the affected source, 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(a)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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EQPT0000000007 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p>For Emission Point AA-010, the permittee shall conduct performance tune-ups of the boiler biennially as specified in paragraphs (1) through (7). Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up or no later than January 31, 2014.</p> <p>(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).</p> <p>(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.</p> <p>(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the inspection may be delayed until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).</p> <p>(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.</p> <p>(5) Measure the concentrations in the effluent stream of CO 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). Measurements may be taken using a portable CO analyzer.</p> <p>(6) Maintain on-site and submit, if requested by the Department, a report containing the information described in (i) and (ii).</p> <p>(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.</p> <p>(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.</p> <p>(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup. [40 CFR 63.11196(a), 40 CFR 63.11201(b), 40 CFR 63.11214(b), 40 CFR 63.11223(b), 40 CFR 63.Table 2(Item 6)]</p>

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EQPT0000000007 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p>For Emission Point AA-010, the permittee shall have a one-time energy assessment performed by a qualified energy assessor by March 21, 2014. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in 40 CFR 63.11237:</p> <ol style="list-style-type: none">(1) A visual inspection of the boiler system,(2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,(3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,(4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,(5) A list of major energy conservation measures that are within the facility's control,(6) A list of the energy savings potential of the energy conservation measures identified, and(7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments. [40 CFR 63.11201(b)]

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EQPT0000000007 (continued):

Narrative Requirements:

Condition No.	Condition
T-7	<p>For Emission Point AA-010, The permittee shall maintain the following records applicable for a wood-fired boiler.</p> <p>(1) As required in 40 CFR 63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.</p> <p>(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 as specified in paragraphs (c)(2)(i) and (ii) below.</p> <p>(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.</p> <p>(ii) For each boiler required to conduct an energy assessment, you must keep a copy of the energy assessment report.</p> <p>(3) Records of the occurrence and duration of each malfunction of the boiler.</p> <p>(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11225(c)]</p>
T-8	<p>For Emission Point AA-010, the permittee shall maintain records in a form suitable and readily available for expeditious review. The permittee shall keep each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. Records may be kept offsite for the last three years. [40 CFR 63.11225(d)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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CONT0000000002 (AA-012) Cyclone to convey Planer Mill shavings truck load out for sale to outside customers. (P-1) (REF AA-003C):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall demonstrate compliance with facility wide particulate matter and particulate matter less than 10 microns emission limitations by stack testing Emission Point AA-012 once in the life of the permit in accordance with EPA Reference Methods 1-5 and Method 201, and the permittee shall also conduct an EPA Method 9 weekly visible emissions evaluation concurrently with the stack test. The permittee shall submit a stack test report within 45 days following the stack test. For the purposes of compliance demonstration, the testing must be performed at the maximum capacity of the system or at a capacity representative of its normal operation if maximum capacity cannot be achieved.</p> <p>A pretest protocol shall be submitted at least thirty (30) days prior to the schedule test date to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that the observer may be scheduled to witness the test. [APC-S-2 II.B(10)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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EQPT0000000008 (AA-013) Facility Wide Miscellaneous Fuel Burning Equipment including one (1) steam cleaner and (2) space heaters.:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Sulfur Dioxide	Sulfur Dioxide: For Emission Point AA-013, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 2.4 pounds (measured as sulfur dioxide) per million BTU heat input. [APC-S-2 II.B(10)]
L-2		The permittee shall only burn the fuels specified above or a cleaner burning fuel (such as natural gas) in the facility wide fuel burning equipment. [APC-S-2 II.B(10)]

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GRPT0000000001 (AA-005, AA-006, AA-007, AA-008, and AA-009) Dry Kilns:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: For Emission Points AA-005, AA-006, AA-007, AA-008 and AA-009, except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>Where E is the emission rate in pounds per hour and p is process weight input rate in tons per hour. [APC-S-1 3.6(a)]</p>
L-2	Opacity	<p>Opacity: For Emission Points AA-005, AA-006, AA-007, AA-008 and AA-009, no person shall cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity except as provided for in APC-S-1, Section 3.1(b) and (c). [APC-S-1 3.1(a)]</p>
L-3		<p>The lumber kilns (AA-005, AA-006, AA-007, AA-008, AA-009) shall be limited to a total maximum annual lumber throughput (through all kilns combined) of 45 MMBF/year based on a consecutive 12-month total. [APC-S-2 II.B(11)]</p>

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>For Emission Points AA-005, AA-006, AA-007, AA-008, and AA-009, the permittee shall record the lumber throughput on a daily basis and calculate the board feet production on a twelve month rolling total to demonstrate compliance with the 45 million board feet per year limitation. The information shall be submitted as a part of the annual report. [APC-S-2 II.B(10)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Franklin Lumber Company
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Activity ID No.: PER20110001

GRPT0000000002 (AA-0012, AA-004, AA-011) Cyclones:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: For Emission Points AA-012, AA-004, and AA-011, except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>Where E is the emission rate in pounds per hour and p is process weight input rate in tons per hour. [APC-S-1 3.6(a)]</p>
L-2	Opacity	<p>Opacity: For Emission Points AA-012, AA-004, and AA-011, no person shall cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Section 3.1(a). This shall not apply to vision obscuration caused by uncombined water droplets. [APC-S-1 3.2]</p>

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall perform weekly inspections of the control equipment on all cyclones. Maintenance shall be performed as necessary to maintain proper operation of the pollution control equipment. [APC-S-2 II.B(11)]</p>
M-2		<p>For Emission Points AA-012, AA-004, and AA-011, the permittee shall conduct weekly observations for visible emissions. If visible emissions are observed from the emission point (six-minute interval), the permittee shall conduct visible emission evaluations (VEE) in accordance with EPA Reference Method 9. The permittee shall maintain records of weekly visible emissions observations and any VEEs that are performed in log book form. A summary report shall be submitted by January 31 for the preceding calendar year.</p> <p>The permittee may perform the observations on multiple stacks at the same time, where multiple stacks can be viewed simultaneously. [APC-S-2 II.B(10)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Franklin Lumber Company
Facility Requirements
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Activity ID No.: PER20110001

GRPT0000000002 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall keep records in log form of inspections and any maintenance performed on the cyclones. Such information shall be made available for review upon request during any inspection visit by Office of Pollution Control personnel. [APC-S-2 II.B(11)]

Narrative Requirements:

Condition No.	Condition
T-1	The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the pollution control equipment. In the event of a failure of the pollution control equipment, the permittee shall cease operations until such time as repairs are made and the proper efficiency of the pollution control equipment is restored. [APC-S-2 II.B(11)]

GENERAL INFORMATION

Franklin Lumber Company
316 Mill Road
Bude, MS
Franklin County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
12159	Franklin Lumber Company	Official Site Name	4/2/2007	
2803700017	Franklin Lumber Company	Air-AIRS AFS	10/12/2000	
082000017	Franklin Timber Company	Air-Synthetic Minor Operating	10/8/1996	10/1/2001
082000017	Franklin Timber Company	Air-Synthetic Minor Operating	2/3/2000	2/3/2000
082000017	Franklin Timber Company	Air-Title V Operating	9/6/2000	8/31/2005
082000017	Franklin Timber Company	Air-Construction	9/6/2000	9/6/2000
MSR001033	Franklin Timber Company	GP-Baseline	6/1/1994	2/14/2001
MS0055891	Franklin Timber Company	Water - NPDES	3/9/2000	2/28/2005
MSR001033	Franklin Timber Company	GP-Baseline	2/14/2001	1/30/2006
MS0055891	Franklin Timber Company	Water - NPDES	5/2/2005	4/27/2007
MSR001033	Franklin Timber Company	GP-Baseline	1/30/2006	4/25/2007
082000017	Franklin Timber Company	Air-Construction	4/21/2006	
082000017	Franklin Timber Company	Air-Title V Fee Customer	9/6/2000	3/2/2007
082000017	Franklin Timber Company	Air-Synthetic Minor Operating	3/2/2007	4/27/2007
12159	Franklin Timber Company	Historic Site Name	6/1/1994	4/2/2007
MSR001033	Franklin Lumber Company	GP-Baseline	4/25/2007	11/24/2010
MS0055891	Franklin Lumber Company	Water - NPDES	4/27/2007	4/30/2010
082000017	Franklin Lumber Company	Air-Synthetic Minor Operating	4/27/2007	2/28/2012
MSR001033	Franklin Lumber Company	GP-Baseline	11/24/2010	9/28/2015
082000017	Franklin Lumber Company	Air-Synthetic Minor Operating	9/10/2013	8/31/2018

Basin: South Independent Streams Basin

GENERAL INFORMATION

Location Description: NW- NW Corner of Land Parcel. Data was collected by Dewayne Headrick on 9/26/2001. PG- Plant Entrance (General). Data collected by Mike Hardy on 11/17/2005. Elevation 256 feet. Just inside gate next to office.

General Facility Description: Modification to an existing Title V Operating Permit to

History of Permit Modifications: The existing 22MMBTU/hr boiler shall remain on site and serve as back-up for the 28 MMBTU/hr boiler.