



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Barge Forest Products Company
900 Buggs Ferry Road
Macon, MS
Noxubee 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: JAN 21 2015

Expires: DEC 31 2019

Permit No. 2000-00005

Agency Interest # 1196

Table of Contents

Subject Item Inventory.....i

Facility Requirements.....1

General Information.....A-1

Other Relevant Documents:

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Subject Item Inventory

Permit Number:2000-00005

Activity ID No.: PER20140001

Subject Item Inventory:

ID	Designation	Description
AI1196	AI 1196	Lumber Mill
AREA1	AA-002	Planer Mill equipped with pneumatic dust conveyance and load-out system, including two (2) cyclones
AREA2	AA-003	Sawmill with two (2) Primary sawing systems, both with 3-D Scanning systems and chippers, one (1) resaw, one (1) trimmer, one (1) supplemental resaw, two (2) wood chippers, a pneumatic dust conveyance system with two (2) cyclones, and two (2) truck load out bins
EQPT9	AA-001	27.8 MMBTU/Hr Woodwaste and Oil/Diesel fuel boiler equipped with a cyclone
EQPT10	AA-004	Dry Kiln #1, #2, and #3, steam heated
EQPT11	AA-005	Lumber Dip Tank
EQPT12	AA-006	Diesel Fuel Fired Parts Washer
EQPT13	AA-007	2000 gallon diesel tank

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Subject Item Inventory

Permit Number:2000-00005

Activity ID No.: PER20140001

KEY

WDPT = Withdrawal Point

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 1 of 20

AI0000001196 (AI 1196) Lumber Mill:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The maximum production rate at the facility shall not exceed thirty-five (35) million board feet per year. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-2		The permittee shall only process lumber that has been dried in the dry kilns located at the facility. No off-site lumber shall be processed. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

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 for preceding calendar year. This report shall address any required monitoring specified in the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(11).]

Narrative Requirements:

Condition No.	Condition
T-1	The permittee shall develop and implement a housekeeping and preventative maintenance checklist for the facility. The checklist should be maintained on site and referenced during weekly site inspections. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 2 of 20

AI0000001196 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	<p>The permittee shall perform weekly inspections (or more often, if necessary) of the boiler, sawmill, planer mill, lumber dip tank, air pollution control equipment, and all surrounding areas to ensure that all equipment is functioning properly, and that a build-up of sawdust and boiler ash has not occurred.</p> <p>Problems noted during inspections should be repaired in a timely manner. The facility will be required to have on hand sufficient equipment and spare parts as are necessary to repair/replace equipment, should a breakdown occur. 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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]</p>
T-3	<p>General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]</p>
T-4	<p>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.]</p>
T-5	<p>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)]</p>
T-6	<p>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.]</p>
T-7	<p>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.]</p>
T-8	<p>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:</p> <p>(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</p> <p>(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]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 3 of 20

AI0000001196 (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.]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 4 of 20

AI0000001196 (continued):

Narrative Requirements:

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	<p>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:</p> <ul style="list-style-type: none">(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).]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 5 of 20

AI0000001196 (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>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 6 of 20

AI0000001196 (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>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 7 of 20

AI0000001196 (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>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 8 of 20

AREA0000000001 (AA-002) Planer Mill equipped with pneumatic dust conveyance and load-out system, including two (2) cyclones:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: Except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter (filterable only) 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 the process weight input rate in tons per hour.</p> <p>Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs. [11 Miss. Admin. Code Pt. 2, R. 1.3.F]</p>
L-2		<p>The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.B]</p>

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For the two cyclones, the permittee shall assure compliance with the opacity limitations by having an observer perform weekly opacity observations during daylight hours for a minimum of six (6) consecutive minutes and maintain a log of the results. If any visible emissions are detected, then a Visible Emission Evaluation (VEE) shall be performed using EPA Reference Method 9 by a certified observer during daylight hours.</p> <p>If conditions are such that opacity readings cannot be taken using evaluations of Method 9, the permittee shall note these conditions in the record and provide an explanation of why it was not possible to perform opacity readings/observations. The permittee shall maintain a log of the results and the log shall be made available upon request from MDEQ personnel. A summary report shall be submitted in accordance with Condition S-2 found on page 1 of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 9 of 20

AREA0000000002 (AA-003) Sawmill with two (2) Primary sawing systems, both with 3-D Scanning systems and chippers, one (1) resaw, one (1) trimmer, one (1) supplemental resaw, two (2) wood chippers, a pneumatic dust conveyance system with two (2) cyclones, and two (2) truck load out bins:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: Except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter (filterable only) 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 $E = 4.1 p^{0.67}$ where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour. Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs. [11 Miss. Admin. Code Pt. 2, R. 1.3.F]
L-2		The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.B]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For the two cyclones, the permittee shall assure compliance with the opacity limitations by having an observer perform weekly opacity observations during daylight hours for a minimum of six (6) consecutive minutes and maintain a log of the results. If any visible emissions are detected, then a Visible Emission Evaluation (VEE) shall be performed using EPA Reference Method 9 by a certified observer during daylight hours. If conditions are such that opacity readings cannot be taken using evaluations of Method 9, the permittee shall note these conditions in the record and provide an explanation of why it was not possible to perform opacity readings/observations. The permittee shall maintain a log of the results and the log shall be made available upon request from MDEQ personnel. A summary report shall be submitted in accordance with Condition S-2 found on page 1 of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.2 .B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 10 of 20

EQPT0000000009 (AA-001) 27.8 MMBTU/Hr Woodwaste and Oil/Diesel fuel boiler equipped with a cyclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: For Emission Point AA-001, the permittee shall be limited to 0.3 grains/dscf ash and/or particulate matter not to exceed 11.9 lb/hr and 52.12 tons/yr. This includes filterable PM only. [11 Miss. Admin. Code Pt. 2, Ch. 1. 4.(b)]
L-2	Fuel rate	Fuel rate: For Emission Point AA-001, the permittee shall not exceed a combined maximum annual usage rate of two thousand (2000) gallons per year of oil and diesel fuel. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-3	Opacity	Opacity: The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.A]
L-4	Opacity	Opacity: For Emission Point AA-001, the permittee may produce emissions which exceed 40% opacity for fifteen (15) minutes per startup in any one hour, not to exceed three (3) startups per stack in any twenty-four (24) hour period. [11 Miss. Admin. Code Pt. 2, R. 1.3.A]
L-5	Particulate Matter (10 microns or less)	Particulate Matter (10 microns or less): For Emission Point AA-001, the permittee shall be limited to 0.3 grains per dry standard cubic foot, not to exceed 10.9 lb/hr and 47.84 tons/year. This includes filterable PM10 only. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-6	Sulfur Dioxide	Sulfur Dioxide: The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)]
L-7		For Emission Point AA-001, the permittee shall comply with the applicable requirements and any subsequent revisions to the New Source Performance Standards, 40 CFR 60, Subpart Dc. [40 CFR 60_SUBPART Dc.60.40c(a)]
L-8		Fuel Restriction: For Emission Point AA-001, the permitted is limited to combusting woodwaste, oil and diesel as fuel. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-9		The permittee shall keep records and submit reports as required under 40 CFR 60.48c. [40 CFR 60_SUBPART Dc.60.48c]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 11 of 20

EQPT0000000009 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-10		For Emission Point AA-001, the permittee shall record and maintain records of the amount and type of fuel combusted during each calendar month. All records should be maintained for a period of two years following the date of such record. These records shall be submitted in report form semiannually and shall be post-marked no later than thirty (30) days following the end of the semi-annual reporting periods ending June 30 and December 31. [40 CFR 60_SUBPART Dc.60.48c(g)(i)and(j)]
L-11		<p>Emission Point AA-001 is subject to and shall comply with the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR Part 63, Subpart JJJJJJ.</p> <p>Emission Point AA-001 is an existing boiler that is in the biomass fuel subcategory. The permittee shall comply with all applicable Work Practice Standards for such a unit found in Table 2 of Subpart JJJJJJ and Condition L-12 on page 12 of this permit. [40 CFR 63_Subpart JJJJJJ.63.11193 and Table 2]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 12 of 20

EQPT0000000009 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-12		<p>For Emission Point AA-001, the permittee shall complete a tune-up in accordance with (a) through (g) below. The tune-up shall be conducted every two years, with every tune-up being completed no more than 25 months after the previous tune-up. The next tune-up shall be conducted on or before April 9, 2016.</p> <p>(a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).</p> <p>(b) 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>(c) Inspect the system controlling the air-to-fuel ratio, as applicable, and insure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection)</p> <p>(d) 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>(e) 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>(f) Maintain on-site and submit, if requested by MDEQ, a report containing the following information listed in (1) through (3) of this section.</p> <p>(1) 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>(2) A description of any corrective actions taken as a part of the tune-up of the boiler.</p> <p>(3) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.</p> <p>(g) 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_Subpart JJJJJ.63.11201(b)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 13 of 20

EQPT0000000009 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-13		<p>Beginning January 31, 2015 for Emission Point AA-001, the permittee shall submit the information listed in (a) and (b) below in accordance with the compliance report required by Condition S-2 found on page 1 of this permit upon completion of each required tune-up identified in Condition L-12 on page 12 of this permit</p> <p>(a) Company name and address</p> <p>(b) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of this notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The notification shall include the following certification of compliance: "This facility complies with the requirements in §63.11223 to conduct a biennial tune-up of Emission Point AA-001" [40 CFR 63_Subpart JJJJJ.63.11225(b)(1)and(2)]</p>
L-14		<p>For Emission Point AA-001, the permittee shall maintain and keep records for items listed in (a) through (c) below.</p> <p>(a) A copy of each notification and report that was submitted to comply with Subpart JJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted.</p> <p>(b) The date of the tune-up, the procedures followed for the tune-up, and the manufacturer's specifications to which the boiler was tuned.</p> <p>(c) A copy of the energy assessment report. [40 CFR 63_Subpart JJJJJ.63.11225(c)(1)and(2)]</p>
L-15		<p>For Emission Point AA-001, the permittee shall retain the records required in Condition L-14 on page 13 of this permit for 5 years following the date of each recorded action. The permittee is required to keep the records onsite for a period of 2 years and they may be kept offsite for the remainder of the time. [40 CFR 63_Subpart JJJJJ.63.11225(d)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 14 of 20

EQPT0000000009 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall assure compliance with the opacity limitations by having an observer perform weekly opacity observations during daylight hours for a minimum of six (6) consecutive minutes and maintain a log of the results. If any visible emissions are detected, then a Visible Emission Evaluation (VEE) shall be performed using EPA Reference Method 9 by a certified observer during daylight hours.</p> <p>If conditions are such that opacity readings cannot be taken using evaluations of Method 9, the permittee shall note these conditions in the record and provide an explanation of why it was not possible to perform opacity readings/observations. The permittee shall maintain a log of the results and the log shall be made available upon request from MDEQ personnel. A summary report shall be submitted in accordance with Condition S-2 found on page 1 of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]</p>
M-2		<p>For Emission Point AA-001, the permittee shall demonstrate compliance with the PM and PM10 limitations and opacity by stack testing in accordance with EPA reference Methods 1-5, 9, and 201 or 201A within 180 days of permit reissuance. For the purposes of the compliance demonstration, the permittee shall operate the sources at peak load conditions. For the purpose of compliance demonstration, peak load conditions shall be identified as within 20% of the maximum rated capacity of the source. [11 Miss. Admin. Code Pt. 2, R. 2.2 .B(11)]</p>

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>For Emission Point AA-001, the permittee shall maintain records of the total daily usage rate of oil and diesel fuel in the boiler. Records should be maintained on a consecutive 12 month rolling total and shall be submitted in report form in accordance with Condition S-2 found on page 1 of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 15 of 20

EQPT0000000009 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	For Emission Point AA-001, the permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the DEQ. Also, the permittee shall notify the DEQ in writing at least ten (10) days prior to the intended test date(s) so that an observer may be afforded the opportunity to witness the test. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
S-2	For Emission Point AA-001, the permittee shall submit a test report of the results of the stack test required by Condition M-2 on page 14 of this permit within sixty (60) days of the individual test date. Submit a stack test report: Due as described. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 16 of 20

EQPT0000000010 (AA-004) Dry Kiln #1, #2, and #3, steam heated:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.B]
L-2		The maximum production rate through the three dry kilns combined shall not exceed thirty-five (35) million board feet per year. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For Emission Point AA-004, the permittee shall determine the total production through all three dry kilns combined during each month. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	For Emission Point AA-004, the permittee shall maintain records of the total production through all three kilns combined during each month. All records shall be kept in log form and must be made available for review upon request during any inspection visit by Office of Pollution Control personnel. All records shall be maintained by the permittee for a period of five (5) years following the date of such record. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 17 of 20

EQPT0000000010 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	For Emission Point AA-004, the permittee shall submit a monitoring report in accordance with Condition S-2 found on page 1 of this permit. This report shall provide the total production through all three kilns combined during each month for each preceding calendar twelve months. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company

Facility Requirements

Permit Number:2000-00005

Activity ID No.: PER20140001

Page 18 of 20

EQPT0000000011 (AA-005) Lumber Dip Tank:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [Other]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company
Facility Requirements
Permit Number:2000-00005
Activity ID No.: PER20140001

EQPT0000000012 (AA-006) Diesel Fuel Fired Parts Washer:

Limitation Requirements:

Condition		
No.	Parameter	Condition
L-1		Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [Other]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Barge Forest Products Company
Facility Requirements
Permit Number:2000-00005
Activity ID No.: PER20140001

EQPT0000000013 (AA-007) 2000 gallon diesel tank:

Limitation Requirements:

Condition		
No.	Parameter	Condition
L-1		Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [Other]

GENERAL INFORMATION

Barge Forest Products Company
900 Buggs Ferry Road
Macon, MS
Noxubee County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
1196	Barge Forest Products Company	Official Site Name	10/22/1991	
2810300005	Barge Forest Products Company	Air-AIRS AFS	10/12/2000	
200000005	Barge Forest Products Company	Air-Synthetic Minor Operating	1/31/2000	12/31/2004
200000005	Barge Forest Products Company	Air-State Operating	10/22/1991	11/1/1996
200000005	Barge Forest Products Company	Air-Synthetic Minor Operating	4/4/2000	12/1/2004
MSR000005	Barge Forest Products Company	GP-Baseline	10/27/1992	11/8/2000
MS0045349	Barge Forest Products Company	Water - NPDES	11/8/1994	10/31/1999
MS0045349	Barge Forest Products Company	Water - NPDES	1/26/2001	10/19/2005
MSR000005	Barge Forest Products Company	GP-Baseline	11/8/2000	2/6/2006
200000005	Barge Forest Products Company	Air-Synthetic Minor Operating	12/1/2004	11/30/2009
MS0045349	Barge Forest Products Company	Water - NPDES	10/20/2005	9/30/2010
MSR000005	Barge Forest Products Company	GP-Baseline	2/6/2006	9/30/2010
200000005	Barge Forest Products Company	Air-Synthetic Minor Operating	1/5/2010	12/31/2014
MSR000005	Barge Forest Products Company	GP-Baseline	1/25/2011	9/28/2015
MS0045349	Barge Forest Products Company	Water - NPDES	7/21/2011	6/30/2016
200000005	Barge Forest Products Company	Air-Synthetic Minor Operating	1/21/2015	12/31/2019

Basin: Tombigbee River Basin

GENERAL INFORMATION

Location Description:PG- Plant Entrance (General). Data collected by Marcus Brown on 11/16/2005. Elevation 275 feet. On Buggs Ferry Road off of Highway 45 North.