

**STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
PERMIT**

TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Vicksburg Forest Products, LLC – Waltersville Lumber Mill
1725 North Washington Street
Vicksburg, Warren County, Mississippi

has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: _____

Permit No.: 2780-00004

Draft/Proposed

SECTION 1

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)
2. Any activities not identified in the application are not authorized by this permit.
(Ref.: Miss. Code Ann. 49-17-29 1.b)
3. 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 operating without a valid permit pursuant to State Law.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)
4. It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(6).)
5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)
6. 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 the 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.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)
7. The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a 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 permit condition.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).)

8. The permit does not convey any property rights of any sort, or any exclusive privilege.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)

9. The permittee shall furnish to the DEQ within a reasonable time any information the DEQ 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 the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(d).)

10. Design and Construction Requirements: The stationary source shall be designed and constructed so as to operate without causing a violation of an Applicable Rules and Regulations, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A.)

11. Solids Removal: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may 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.
(Ref.: Miss. Code Ann. 49-17-29)

12. Diversion and Bypass of Air Pollution Controls: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed 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*".
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

13. Fugitive Dust Emissions from Construction Activities: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(4).)

14. Right of Entry: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their representatives upon 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 emissions.

(Ref.: Miss. Code Ann. 49-17-21)

15. Permit Modification or Revocation: After notice and opportunity for a hearing, the Permit Board may modify the permit or revoke it in whole or in part for good cause shown including, but not limited to:
- a) Persistent violation of any of the 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 federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.C.)

16. Public Record and Confidential Information: 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.

(Ref.: Miss. Code Ann. 49-17-39)

17. Permit Transfer: This permit shall not be transferred except upon approval of the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)

18. Severability: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(7).)

19. Permit Expiration: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(1).)

20. Certification of Construction: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(3).)

21. Beginning Operation: Except as prohibited in Section 1, Condition 24 of this permit, after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by 11 Miss. Admin. Code Pt. 2, R. 2.13.G.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).)

22. Application for a Permit to Operate: Except as otherwise specified in Section 1, Condition 24 of this permit, the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).)

23. Operating Under a Permit to Construct: Except as otherwise specified in Section 1, Condition 24 of this permit, upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).)

24. Application Requirements for a Permit to Operate for Moderate Modifications: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to “net” out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7).)

25. General Duty: All air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

26. Deviation Reporting: 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

27. Compliance Testing: Regarding compliance testing:
- a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.
 - b) Compliance testing will be performed at the expense of the permittee.
 - c) Each emission sampling and analysis report shall include but not be limited to the following:
 - (1) Detailed description of testing procedures;
 - (2) Sample calculation(s);
 - (3) Results; and
 - (4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), and (6).)

B. GENERAL NOTIFICATION REQUIREMENTS

1. Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).)

2. The permittee must notify the MDEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).)

3. Upon the completion of construction or installation of an approved stationary source or modification, and prior to commencing operation, the applicant shall notify the Permit Board that construction or installation was performed in accordance with the approved plans and specifications on file with the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).)

4. The Permit Board shall be promptly notified in writing of any change in construction from the previously approved plans and specifications or permit. If the Permit Board determines the changes are substantial, it may require the submission of a new application to construct with “as built” plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an “*as built*” application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).)

**SECTION 2
EMISSION POINT DESCRIPTION**

The permittee is authorized to construct / modify and operate, upon certification of construction, air emissions equipment as described in the following table:

Emission Point	Description
AA-100	Facility-Wide (Vicksburg Forest Products, LLC – Waltersville Lumber Mill)
AA-002	94.8 MMBTU / Hour Wood Waste-Fired Boiler
AA-009	Lumber Chemical Treatment Station [treatment includes the application of fungicide, insecticide, and/or iron stain inhibitor solution(s)]
AA-010	Miscellaneous Coating Operations [includes (but not limited to) Logo Painting, Edge Sealing, and Grade Stamping]
AK-001 through AK-028	Twenty-Eight (28) Lumber Drying Kilns [each kiln has the ability to dry both hardwood and softwood lumber]

**SECTION 3
EMISSION LIMITATIONS AND STANDARDS**

Emission Point	Applicable Requirement(s)	Condition Number	Pollutant(s) / Parameter(s)	Limitation(s) / Standard(s)
AA-100	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.1	HAPs	9.9 tpy (individual) 24.9 tpy (total) (MACT Avoidance Limit)
AA-002	11 Miss Admin. Code Pt. 2, R. 2.2.B(10).	3.2	Fuel Source	Uncontaminated Wood Waste
AK-001 through AK-028	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.3	VOCs	115.0 MMBF Softwood per Year (PSD Avoidance Limit)
		3.4	Final Moisture Content	12% or Greater (softwood)

3.1 For the entire facility (Emission Point AA-100), the permittee shall limit the emission of any individual hazardous air pollutant (HAP) from all applicable emission sources to no more than 9.9 tons per year (tpy) based on a rolling 52-week period. Additionally, the permittee shall limit total HAP emissions from all applicable emission sources to no more than 24.9 tpy based on a rolling 52-week period.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(10).; MACT Avoidance Limit)

3.2 For Emission Point AA-002, the permittee shall only utilize uncontaminated wood waste as a fuel source. For the purpose of this permit, “*uncontaminated wood waste*” shall be defined as any by-product (bark, green chips, dry chips, trim, sawdust, planer shavings, etc.) generated from the processing of harvested timber that does not possess an artificial coating or residue. The permittee may also purchase uncontaminated wood waste from an outside source provided that it complies with the indicated definition.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(10).)

3.3 For Emission Points AK-001 through AK-028, the permittee shall limit the total throughput of dried softwood lumber produced within the collective lumber drying kilns to no more than 115.0 million board feet (MMBF) (or 115,000.0 MBF) per year based on a rolling 52-week period.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(10).; PSD Avoidance Limit)

3.4 For Emission Points AK-001 through AK-028, the permittee shall limit the final target moisture content of dried softwood lumber produced within each affected source to 12% or greater.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(10).)

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**SECTION 4
WORK PRACTICES**

THIS SECTION WAS INTENTIONALLY LEFT BLANK SINCE NO WORK PRACTICE STANDARDS APPLY TO THIS PERMIT ACTION.

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**SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS**

Emission Point	Applicable Requirement(s)	Condition Number	Pollutant(s) / Parameter(s)	Monitoring / Recordkeeping Requirement(s)
AA-100	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.1	HAPs	Maintain and Monitor HAP Emissions
AA-002	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.2	Steam Production	Record and Maintain Weekly Steam Production
AA-009	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.3	HAPs	Record and Maintain Chemical Usage / Data
AA-010	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.4	HAPs	Record and Maintain Material Usage / Data
AK-001 through AK-028	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.5	VOCs HAPs	Record and Maintain Weekly Softwood Lumber Throughput (from All Kilns)
		5.6		Record and Maintain Weekly Hardwood Lumber Throughput (from All Kilns)
		5.7	HAPs	Monitor and Record the Final Moisture Content

5.1 For the entire facility (Emission Point AA-100), the permittee shall demonstrate compliance with the limits established in Condition 3.1 by calculating the individual and total hazardous air pollutant (HAP) emissions from all emissions sources at the site in tons per year (tpy) based on a rolling 52-week period. Additionally, the permittee shall include all reference data utilized to validate the calculated emissions (applicable emission factors, engineering judgement determinations, etc.).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.2 For Emission Point AA-002, the permittee shall monitor and record total steam generated from the boiler (in pounds) on a weekly basis. Additionally, the permittee shall maintain all recorded data on-site for a minimum of five (5) years.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.3 For Emission Point AA-009, if the permittee shall monitor and record the weekly usage (in gallons) of any chemical utilized in the lumber treatment process (insecticides; fungicides; inhibitor solutions; etc.) that contain any hazardous air pollutants (HAPs). Additionally the permittee shall maintain corresponding documentation on all treatment chemicals that display (at a minimum) the following information:

- (a) Product name and identification;
- (b) The density (in pounds per gallon); and
- (c) The percentage of any individual HAPs and total HAPs (by weight);

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.4 For Emission Point AA-010, the permittee shall monitor and record the weekly usage (in gallons) of any material utilized in lumber coating operations (inks; sealants; etc.) that contain any hazardous air pollutants (HAPs). Additionally the permittee shall maintain corresponding documentation on all coatings that display (at a minimum) the following information:

- (a) Product name and identification;
- (b) The density (in pounds per gallon); and
- (c) The percentage of both any individual HAPs and total HAPs (by weight);

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.5 For Emission Points AK-001 through AK-028, the permittee shall monitor and record the weekly throughput of dried softwood lumber produced from the combined drying kilns in “*thousand board feet*” (MBF). Additionally, the permittee shall calculate and record the total throughput of dried softwood lumber produced from the combined drying kilns in MBF per year based on a rolling 52-week period. All recorded data shall be maintained on-site for a minimum of five (5) years.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.6 For Emission Points AK-001 through AK-028, the permittee shall monitor and record the weekly throughput of dried hardwood lumber produced from the combined drying kilns in “*thousand board feet*” (MBF). Additionally, the permittee shall calculate and record the total throughput of dried hardwood lumber produced from the combined drying kilns in MBF per year based on a rolling 52-week period. All recorded data shall be maintained on-site for a minimum of five (5) years.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.7 For Emission Points AK-001 through AK-028, the permittee shall demonstrate compliance with the limit outlined in Condition 3.4 by monitoring and recording the final moisture content of dried softwood lumber processed through the planer mill on a rolling 52-week average. Additionally, the results shall be maintained on-site for a minimum of five (5) years.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

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**SECTION 6
REPORTING REQUIREMENTS**

Emission Point	Applicable Requirement(s)	Condition Number	Pollutant(s) / Parameter(s)	Reporting Requirement(s)
AA-100	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	6.1	HAPs	Submit Summary of Emissions
AA-002		6.2	Steam Production	Submit Summary of Steam Production
AA-009		6.3	HAPs	Submit Summary of Chemical Usage / Data
AA-010		6.4	HAPs	Submit Summary of Material Usage / Data
AK-001 through AK-028	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	6.5	HAPs VOCs	Submit Summary of Dried Softwood Lumber Throughput
		6.6	HAPs	Submit Summary of Dried Hardwood Lumber Throughput
	11 Miss Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Final Moisture Content	Submit Annual Certification on Final Moisture Content

6.1 For Emission Point AA-100 (the Entire Facility), the permittee shall submit a semi-annual report that details the individual and total hazardous air pollutant (HAP) emissions from the referenced emission sources in tons per year (tpy) based on a rolling 52-week period no later than January 31st and July 31st of each calendar year for the preceding six-month period. The report shall also include a summary of all reference data utilized to validate the presented emissions (applicable emission factors, engineering judgement determinations, etc.).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

6.2 For Emission Point AA-002, the permittee shall submit a semi-annual report that summarizes the quantity (in pounds) of steam produced on a rolling 52-week period no later than January 31st and July 31st of each calendar year for the preceding six-month period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

6.3 For Emission Point AA-009, the permittee shall submit a semi-annual report that summarizes the following information for any chemical utilized in the lumber treatment process no later than January 31st and July 31st of each calendar year for the preceding six-month period:

- (a) Product name and identification;
- (b) The quantity used (in gallons) of each chemical on a rolling 52-week period; and
- (c) The percentage of any individual (HAPs) and total HAPs (by weight);

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

6.4 For Emission Point AA-010, the permittee shall submit a semi-annual report that summarizes the following information for any material utilized in the lumber coating process no later than January 31st and July 31st of each calendar year for the preceding six-month period:

- (a) Product name and identification;
- (b) The quantity used (in gallons) of each material on a rolling 52-week period; and
- (c) The percentage of any individual (HAPs) and total HAPs (by weight);

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

6.5 For Emission Points AK-001 through AK-028, the permittee shall submit a semi-annual report that summarizes the total throughput of dried softwood lumber produced from the combined drying kilns in thousand board feet (MBF) per year based on a rolling 52-week period no later than January 31st and July 31st of each year for the preceding six-month period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

6.6 For Emission Points AK-001 through AK-028, the permittee shall submit semi-annual report that summarizes the total throughput of dried hardwood lumber produced from the combined drying kilns in thousand board feet (MBF) per year based on a rolling 52-week period no later than January 31st and July 31st of each calendar year for the preceding six-month period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

6.7 For Emission Points AK-001 through AK-028, the permittee shall submit an annual certification acknowledging dried softwood lumber processed through the planer mill complied with the final target moisture content of 12% or greater (based on a rolling 52-week average) no later than January 31st of each calendar year for the preceding year.

If the certification denotes non-compliance with the referenced final target moisture content limit, the permittee shall include with the annual certification an additional report that

details the number of excursions experienced within the calendar year and the duration of each excursion experienced.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(11).)

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