STATE OF MISSISSIPPI
AIR POLLUTION CONTROL PERMIT

AND PREVENTION OF SIGNIFICANT DETERIORATION AUTHORITY TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Weyerhaeuser NR Company, Columbus Cellulose Fibers
4335 Carson Road
Columbus, Mississippi
Lowndes County

has been granted permission to construct air emissions equipment to comply with 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 and under authority granted by the Environmental Protection Agency under 40 CFR 52.01 and 52.21.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: September 10, 1996
Modified: MAY 0 9 2012

Permit No.: 1680-00044

899 PER20110001

Part I

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only. (Ref.: APC-S-2, Section I.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.: APC-S-2, Section II.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.: APC-S-2, Section I.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.: APC-S-2, Section II.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.: APC-S-2, Section II.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.: APC-S-2, Section II.B.15(b))

8. The permit does not convey any property rights of any sort, or any exclusive privilege. (Ref.: APC-S-2, Section II.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.: APC-S-2, Section II.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.: APC-S-2, Section V.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 Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. (Ref.: APC-S-1, Section 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.: APC-S-2, Section V.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.: APC-S-2, Section II.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.: APC-S-2, Section XVI.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. APC-S-2, Section I.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.: APC-S-2, Section V.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.: APC-S-2, Section V.D.3)

21. Beginning Operation: Except as prohibited in Part I, 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 APC-S-2, Section XIII.G. (Ref.: APC-S-2, Section V.D.4)

22. Application for a Permit to Operate: Except as otherwise specified in Part I, 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.: APC-S-2, Section V.D.5)

23. Operating Under a Permit to Construct: Except as otherwise specified in Part I, 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.: APC-S-2, Section V.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.: APC-S-2, Section V.D.7)

25. 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.: APC-S-2, Section VI.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.: APC-S-2, Section V.C.2)

2. The permittee must notify DEQ 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.: APC-S-2, Section V.C.3)

3. Upon the completion of construction or installation of an approved stationary source or modification, 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.: APC-S-2, Section V.D.1)

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.: APC-S-2, Section V.D.2)

Part II.
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning upon receipt of certification of construction, the permittee is authorized to construct and/or operate air emissions equipment and emit air contaminants from Emission Point AA-080, the 400 MMBTU/hr natural gas-fired Package Boiler. The package boiler also provides back-up control of HVLC NCGs to the Multiple Fuel Power Boiler (Emission Point AA-081). (Formerly Emission Pt. AA-019)

The air emissions equipment while combusting only natural gas shall be operated to comply with the emission limitations and other requirements of New Source Performance Standards, 40 CFR 60, Subparts A and Db, and the emission limitations and monitoring requirements specified below.

EMISSIONS LIMITATIONS

Particulate Matter	**0.0075 lbs/MMBTU, not to exceed 3.00 lbs/hr and 13.14 tons/year, as determined by EPA Test Methods 1-5, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
PM_{10}	**0.0075 lbs/MMBTU, not to exceed 3.00 lbs/hr and 13.14 tons/year, as determined by EPA Test Methods 201 or 201A in conjunction with Reference Method 202, 40 CFR 51, Appendix M, and Reference Method 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Sulfur Dioxide	**0.00057 lbs/MMBTU, not to exceed 0.23 lbs/hr and 1.0 tons/year, as determined by EPA Test Methods 6, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Nitrogen Oxides	**0.1 lbs/MMBTU, not to exceed 40.0 lbs/hr and 175.2 tons/year, as determined by EPA Test Methods 7, 7A, or 7E, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Carbon Monoxide	**0.1 lbs/MMBTU, not to exceed 40.0 lbs/hr and 175.2 tons/year, as determined by EPA Test Methods 10, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**

Volatile Organic Compounds	**0.0013 lbs/MMBTU, not to exceed 0.53 lbs/hr and 2.3 tons/year, as determined by EPA Test Methods 25, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Opacity	**40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A.**

All test methods specified above shall be those versions, or their approved equivalents, which are in effect upon permit issuance.

The air emissions equipment while combusting High Volume Low Concentration (HVLC) gases from the Non Condensible Gas (NCG) Incineration System shall be operated to comply with the emission limitations and other requirements of New Source Performance Standards, 40 CFR 60, Subparts A and Db, and the emission limitations and monitoring requirements specified below.

EMISSIONS LIMITATIONS

Particulate Matter	**0.0077 lbs/MMBTU, not to exceed 3.11 lbs/hr and 13.62 tons/year, as determined by EPA Test Methods 1-5, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
PM_{10}	**0.0077 lbs/MMBTU, not to exceed 3.11 lbs/hr and 13.62 tons/year, as determined by EPA Test Methods 201 or 201A in conjunction with Reference Method 202, 40 CFR 51, Appendix M, and Reference Method 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Sulfur Dioxide	**100.4 lbs/hr and 439.8 tons/year, as determined by EPA Test Methods 6, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Nitrogen Oxides	**0.1 lbs/MMBTU, not to exceed 40.0 lbs/hr and 175.2 tons/year, as determined by EPA Test Methods 7, 7A, or 7E, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Carbon Monoxide	**0.1 lbs/MMBTU, not to exceed 40.0 lbs/hr and 175.2 tons/year, as determined by**

	EPA Test Methods 10, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.
Volatile Organic Compounds	**0.0013 lbs/MMBTU, not to exceed 0.53 lbs/hr and 2.3 tons/year, as determined by EPA Test Methods 25, and 19 (Sections 2 and 3), 40 CFR 60, Appendix A.**
Opacity	**40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A.**

All test methods specified above shall be those versions, or their approved equivalents, which are in effect upon permit issuance.

Part III.

OTHER REQUIREMENTS

1. The permittee shall comply with all applicable Federal Standards of Performance for New stationary Sources (NSPS), 40 CFR Part 60, Subpart A – General Provisions and Subpart Db – Industrial Commercial/Institutional Steam Generating Units.

2. The permittee shall demonstrate compliance with all PM and PM10 emission limitations by permforming stack testing in accordance with the methods specified and the following procedures:

    a. The initial test shall be performed within 1 year of the issuance of this construction permit.

    b. A written test protocol must be submitted at least (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the office fo pollution control. If needed, the permittee may request a pretest conference to discuss the test methods and procedures. The pretest conference should be scheduled at least thirty (30) days prior to the test date.

    c. A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s).

    d. Testing must be performed at normal operating conditions of the system.

    e. The performance test results must be submitted to the Office of Pollution Control (OPC) within 60 days following compliance demonstration test.

    f. Subsequent compliance testing for PM/PM10 emissions shall be completed once during the life of the Title V permit.

3. The permittee shall record and maintain on a daily basis the amount of fuel combusted. The permittee shall also calculate the annual capacity factor for each fuel for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated each calendar month. (Ref.: 40 CFR 60.49b(d))

4. The permittee shall operate and maintain a stack gas oxygen analyzer with feedback contron on the air to fuel ration controller.

5. The permittee shall perform periodic burner maintenance in accordance with the manufacturer's specifications. Manufacturer's documentation shall be maintained on site at all times.