



State of Mississippi



AIR POLLUTION CONTROL PERMIT

To Construct Air Emissions Equipment

THIS CERTIFIES

Weyerhaeuser NR Company, Bruce Facility
106 Railroad Street
Bruce, MS
Calhoun County

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

Mississippi Department of Environmental Quality

Issued/Modified: SEP 04 2014

Expires:

Permit No. 0300-00032

Agency Interest # 707

Table of Contents

Subject Item Inventory.....	i
Facility Requirements.....	1
General Information.....	A-1
Other Relevant Documents:	

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Subject Item Inventory

Permit Number:0300-00032

Activity ID No.: PER20140001

Subject Item Inventory:

ID	Designation	Description
AI707	707	Sawmill
EQPT15	AA-018	Continuous Direct Fired Kiln (CDK-5) equipped with a 35 MMBTU/Hr wood fired grate gasifier burner
EQPT16	AA-019	Continuous Direct Fired Kiln (CDK-6) equipped with a 35 MMBTU/Hr wood fired grate gasifier burner
CONT8	AA-020	Fuel Bin Cyclone for CDK-5 (CDKC-5)
CONT9	AA-021	Fuel Bin Cyclone for CDK-6 (CDKC-6)
CONT1	AA-005c	Planer Mill Cyclone
CONT2	AA-001c	Boiler No. 1 Multiclone
CONT3	AA-002c1	Boiler No. 2 Multiclone
CONT4	AA-002c2	Boiler No. 2 Electrostatic Precipitator
CONT5	AA-006c	No. 1 Planer Shavings Truck Bin Cyclone
CONT6	AA-004ca	Truck Chip Bins Cyclone
CONT7	AA-004cb	Rail Chip Loader Cyclone
EQPT1	AA-001	Boiler No. 1, A 70 MMBTUH Woodwaste Boiler
EQPT2	AA-002	Boiler No. 2, A Greater than 115 MMBTUH Woodwaste Boiler
EQPT3	AA-003a	Dry Lumber Kiln No.1
EQPT4	AA-003b	Dry Lumber Kiln No. 2
EQPT5	AA-003c	Dry Lumber Kiln No. 3
EQPT6	AA-003d	Dry Lumber Kiln No.4
EQPT7	AA-005	Planer Mill
EQPT8	AA-006	No. 1 Planer Shavings Truck Bin
EQPT9	AA-004a	Truck Chip Bins (2)
EQPT10	AA-004b	Rail Chip Loader

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Subject Item Inventory

Permit Number:0300-00032

Activity ID No.: PER20140001

ID	Designation	Description
EQPT11	AA-007	8,000 Gallon Diesel Fuel Tank
EQPT12	AA-008	1,000 Gallon Diesel Fuel Tank
EQPT13	AA-009	8,000 Gallon Hydraulic Oil Tank
EQPT14	AA-010	150 Gallon Diesel Fuel Tank

Subject Item Groups:

ID	Description	Components
GRPT1	Four (4) Dry Lumber Kilns	EQPT3 Dry Lumber Kiln No.1
		EQPT4 Dry Lumber Kiln No. 2
		EQPT5 Dry Lumber Kiln No. 3
		EQPT6 Dry Lumber Kiln No.4
GRPT2	Truck Chip Bins & Rail Chip Loader Cyclones	CONT6 Truck Chip Bins Cyclone
		CONT7 Rail Chip Loader Cyclone
		EQPT10 Rail Chip Loader
		EQPT9 Truck Chip Bins (2)

Relationships:

Subject Item	Relationship	Subject Item
CONT1 Planer Mill Cyclone	Controls	EQPT7 Planer Mill
CONT2 Boiler No. 1 Multiclone	Controls	EQPT1 Boiler No. 1, A 70 MMBTUH Woodwaste Boiler
CONT3 Boiler No. 2 Multiclone	Controls	EQPT2 Boiler No. 2, A Greater than 115 MMBTUH Woodwaste Boiler
CONT4 Boiler No. 2 Electrostatic Precipitator	Controls	EQPT2 Boiler No. 2, A Greater than 115 MMBTUH Woodwaste Boiler
CONT5 No. 1 Planer Shavings Truck Bin Cyclone	Controls	EQPT8 No. 1 Planer Shavings Truck Bin
CONT6 Truck Chip Bins Cyclone	Controls	EQPT9 Truck Chip Bins (2)

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Subject Item Inventory

Permit Number:0300-00032

Activity ID No.: PER20140001

Subject Item	Relationship	Subject Item
CONT7 Rail Chip Loader Cyclone	Controls	EQPT10 Rail Chip Loader

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 1 of 13

AI0000000707 (707) Sawmill:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to and shall comply with the National Emission Standards for Hazardous Air Pollutants; Plywood and Composite Wood Products, 40 CFR 63 Subpart DDDD. Emission Points AA-018 and AA-019 are affected sources per 40 CFR 63.2231(a) of the rule. However, the only applicable requirement is the initial notification. There are no other applicable monitoring, recordkeeping, or reporting requirements for these emission points in Subpart DDDD. [40 CFR 63.2231]
L-2		<p>For the lumber manufacturing process, the permittee shall not cause, permit or allow the emission of particulate matter in total quantities in any one hour, 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 P is the process weight input rate in tons per hour Where E is determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(F)]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: The permittee shall submit certification of construction: Due within thirty (30) days of completion of construction or installation of an approved stationary source or prior to startup, whichever is earlier. The notification shall certify that construction or installation was performed in accordance with the approved plans and specifications. In the event there is any change in construction from the previously approved plans and specifications or permit, the permittee shall promptly notify MDEQ in writing. If MDEQ determines the changes are substantial, MDEQ 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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D.]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 2 of 13

AI0000000707 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-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. [11 Miss. Admin.Code Pt. 2, R.2.5.C(4).]

Narrative Requirements:

General Condition:

Condition No.	Condition
T-1	General Condition: The stationary source shall be designed and constructed so as to operate without causing a violation of any Applicable Rules and Regulations or this permit, 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. [11 Miss. Admin.Code Pt. 2, R.2.5.A.]
T-2	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49_17_29 1.b]
T-3	General Condition: 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. [Miss. Code Ann. 49_17_29]
T-4	General Condition: 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 11 Miss. Admin. Code Pt.2, R. 1.10 "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, R. 1.10]
T-5	General Condition: The permittee shall allow the Mississippi Environmental Quality Commission, the Mississippi Environmental Quality Permit Board, MDEQ staff 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]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

AI0000000707 (continued):

Narrative Requirements:

General Condition:

Condition No.	Condition
T-6	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 good cause shown including, but not limited to, the following: a. Persistent 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 requires either a temporary or permanent reduction or elimination of previously authorized air emissions. [11 Miss. Admin.Code Pt. 2, R.2.2.C.]
T-7	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]
Condition No.	Condition
T-8	General Condition:This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R.2.1.D.]
T-9	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 operating without a valid permit pursuant to State Law. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]
T-10	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.1.D(6).]
T-11	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.1.D(7).]
T-12	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 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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 4 of 13

AI0000000707 (continued):

Narrative Requirements:

Condition No.	Condition
T-13	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-14	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(c).]
T-15	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(d).]
T-16	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.16.B.]
T-17	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.1.1.D(7).]
T-18	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.5.C(1).]
T-19	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [11 Miss. Admin.Code Pt. 2, R.2.5.D(3).]
T-20	General Condition: Except as prohibited in 11 Miss. Admin. Code Pt. 2,R. 2.5.D(7) 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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

AI0000000707 (continued):

Narrative Requirements:

Condition No.	Condition
T-21	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), 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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).]
T-22	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), 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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).]
T-23	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.6.B(3),(4)&(6).]
T-24	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.5.A(4).]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 6 of 13

EQPT0000000015 (AA-018) Continuous Direct Fired Kiln (CDK-5) equipped with a 35 MMBTU/Hr wood fired grate gasifier burner:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-018, the permittee shall have emissions of Opacity \leq 40 % as determined by EPA Test Method 9 as found in 40 CFR Part 60 Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(A)1] This requirement is applicable during the following months: Jan-Dec.
L-2	Opacity	Opacity: The permittee shall limit emissions during startup which exceed 40% opacity to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four hour period. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(A)2]
L-3	Sulfur Dioxide	Sulfur Dioxide: For Emission Point AA-018, the permittee shall not cause or permit the emission of gas containing sulfur oxides (measured as Sulfur Dioxide) in excess of 500 ppm (volume) from any process equipment. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.4.B(1)]
L-4		For Emission Points AA-003, AA-018, and AA-019 combined, the permittee is restricted to an annual drying limitation of 235,000,000 board-feet of lumber in any consecutive twelve (12) month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	For Emission Points AA-003, AA-018 and AA-019 combined, the permittee shall record the amount of lumber dried (in board-feet) on both a monthly basis and a total for each consecutive twelve (12) month period. These records shall be maintained on site for at least five (5) years and shall be made available upon request to Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

EQPT0000000015 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	For Emission Points AA-003, AA-018, and AA-019 combined, the permittee shall submit a semi-annual report summarizing the total amount of lumber dried each month and the total for each rolling twelve (12) month period. The semi-annual reporting period shall be from January 1 to June 30 and July 1 to December 31. The report shall be submitted no later than January 31 and July 31 for the previous six month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]
S-2	For Emission Point AA-018, the permittee shall perform monthly visual observations of the exhaust stack and keep records of each observation. If conditions are such that visible emissions are observed, then the permittee shall perform a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9. If VEE readings cannot be taken using 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 submit a summary report to MDEQ on an annual basis. The report shall be postmarked no later than 30 days following the annual reporting period ending December 31. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]
S-3	For Emission Point AA-018, maintenance inspections shall be performed each month, or more often as needed, and maintenance shall be performed as dictated by inspection results so that proper operation of the dry kiln is maintained. Records of any inspections and/or maintenance 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. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

Narrative Requirements:

Condition No.	Condition
T-1	Beginning upon permit issuance date, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-018, the Continuous Direct Fired Kiln (Ref. No. CDK #5) with an associated 35 MMBTU/hr gasifier burner system. The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified herein. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

EQPT0000000015 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	<p>Emission Point AA-018 shall become operational after completion of the shakedown period. Shakedown is defined as the period beginning with initial startup and ending no later than initial performance testing, during which operational and contractual testing and tuning is conducted to ensure the safe, efficient and reliable operation of the plant. The shakedown period shall be no greater than 180 days.</p> <p>Emission Point AA-001 shall be decommissioned and taken out of service upon completion of the shakedown period for AA-018. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]</p>
T-3	<p>For Emission Point AA-018, the permittee is authorized to burn as fuel only uncontaminated wood residue. For purposes of this permit, wood residue is defined as sawdust, bark, green chips, and planer shavings generated from the processing of harvested timber and may be purchased from outside sources. Additionally, the permittee is authorized to use up to 10 gallons of diesel to ignite the fuel bed during startup. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]</p>

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 9 of 13

EQPT0000000016 (AA-019) Continuous Direct Fired Kiln (CDK-6) equipped with a 35 MMBTU/Hr wood fired grate gasifier burner:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-019, the permittee shall have emissions of Opacity \leq 40 % as determined by EPA Test Method 9 as found in 40 CFR Part 60 Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(A)1] This requirement is applicable during the following months: Jan-Dec.
L-2	Opacity	Opacity: The permittee shall limit emissions during startup which exceed 40% opacity to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four hour period. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(A)2]
L-3	Sulfur Dioxide	Sulfur Dioxide: For Emission Point AA-019, the permittee shall not cause or permit the emission of gas containing sulfur oxides (measured as Sulfur Dioxide) in excess of 500 ppm (volume) from any process equipment. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.4.B(1)]
L-4		For Emission Points AA-003, AA-018, and AA-019 combined, the permittee is restricted to an annual drying limitation of 235,000,000 board-feet of lumber in any consecutive twelve (12) month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	For Emission Points AA-003, AA-018 and AA-019 combined, the permittee shall record the amount of lumber dried (in board-feet) on both a monthly basis and a total for each consecutive twelve (12) month period. These records shall be maintained on site for at least five (5) years and shall be made available upon request to Office of Pollution Control personnel. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 10 of 13

EQPT0000000016 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	For Emission Points AA-003, AA-018, and AA-019 combined, the permittee shall submit a semi-annual report summarizing the total amount of lumber dried each month and the total for each rolling twelve (12) month period. The semi-annual reporting period shall be from January 1 to June 30 and July 1 to December 31. The report shall be submitted no later than January 31 and July 31 for the previous six month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]
S-2	For Emission Point AA-019, maintenance inspections shall be performed each month, or more often as needed, and maintenance shall be performed as dictated by inspection results so that proper operation of the dry kiln is maintained. Records of any inspections and/or maintenance 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. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]
S-3	For Emission Point AA-0019, the permittee shall perform monthly visual observations of the exhaust stack and keep records of each observation. If conditions are such that visible emissions are observed, then the permittee shall perform a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9. If VEE readings cannot be taken using 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 submit a summary report to MDEQ on an annual basis. The report shall be postmarked no later than 30 days following the annual reporting period ending December 31. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]

Narrative Requirements:

Condition No.	Condition
T-1	<p>Beginning upon permit issuance date, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-019, the Continuous Direct Fired Kiln (Ref. No. CDK #6) with an associated 35 MMBTU/hr gasifier burner system.</p> <p>The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified herein. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]</p>

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

EQPT0000000016 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	<p>Emission Point AA-019 shall become operational after completion of the shakedown period. Shakedown is defined as the period beginning with initial startup and ending no later than initial performance testing, during which operational and contractual testing and tuning is conducted to ensure the safe, efficient and reliable operation of the plant. The shakedown period shall be no greater than 180 days.</p> <p>Emission Point AA-002 and AA-003 shall be decommissioned and taken out of service upon completion of the shakedown period for AA-019. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]</p>
T-3	<p>For Emission Point AA-019, the permittee is authorized to burn as fuel only uncontaminated wood residue. For purposes of this permit, wood residue is defined as sawdust, bark, green chips, and planer shavings generated from the processing of harvested timber and may be purchased from outside sources. Additionally, the permittee is authorized to use up to 10 gallons of diesel to ignite the fuel bed during startup. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2.B(10)]</p>

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 12 of 13

CONT0000000008 (AA-020) Fuel Bin Cyclone for CDK-5 (CDKC-5):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AA-020, the permittee shall not cause, allow, or permit the discharge into the ambient air 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 11 Miss. Admin Code, Pt 2. Ch.2. Rule 1.3.A.(1) This shall not apply to vision obscuration caused by uncombined water droplets. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(B)]

Narrative Requirements:

Condition No.	Condition
T-1	Beginning upon permit issuance date, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-020, the Fuel Bin Cyclone for CDK-5 (Ref. No. CDKC-5). The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified herein. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2(B)10]

To Construct Air Emissions Equipment

Weyerhaeuser NR Company, Bruce Facility

Facility Requirements

Permit Number:0300-00032

Activity ID No.: PER20140001

Page 13 of 13

CONT0000000009 (AA-021) Fuel Bin Cyclone for CDK-6 (CDKC-6):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AA-021, the permittee shall not cause, allow, or permit the discharge into the ambient air 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 11 Miss. Admin Code, Pt 2. Ch.2. Rule 1.3.A.(1) This shall not apply to vision obscuration caused by uncombined water droplets. [11 Miss. Admin. Code Pt. 2, Ch. 1. R. 1.3(B)]

Narrative Requirements:

Condition No.	Condition
T-1	Beginning upon permit issuance date, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-021, the Fuel Bin Cyclone for CDK-6 (Ref. No. CDKC-6). The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified herein. [11 Miss. Admin. Code Pt. 2, Ch. 2. R. 2.2(B)10]

GENERAL INFORMATION

Weyerhaeuser NR Company, Bruce Facility
 106 Railroad Street
 Bruce, MS
 Calhoun County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
707	Weyerhaeuser NR Company	Official Site Name	12/8/2008	
2801300032	Weyerhaeuser Company, Bruce Facility	Air-AIRS AFS	10/12/2000	
MSD982769838	Weyerhaeuser Company, Bruce Facility	Hazardous Waste-EPA ID	10/12/2000	
030000032	Weyerhaeuser Company, Bruce Facility	Air-Title V Operating	9/2/1997	8/1/2002
MSR000731	Weyerhaeuser Company, Bruce Facility	GP-Baseline	7/14/1992	11/27/2000
MSR500075	Weyerhaeuser Company, Bruce Facility	GP-Land Disposal	11/30/1994	2/13/2009
MS0021962	Weyerhaeuser Company, Bruce Facility	Water - NPDES	4/9/1998	3/26/2003
SW0130040434	Weyerhaeuser Industrial Landfill, Bruce Facility	SolidWaste - NonMSW Landfill	3/14/1995	3/14/2005
030000032	Weyerhaeuser Company, Bruce Facility	Air-Construction	2/11/1992	
MSR000731	Weyerhaeuser Company, Bruce Facility	GP-Baseline	11/27/2000	12/30/2005
MS0021962	Weyerhaeuser Company	Water - NPDES	6/3/2003	5/30/2008
030000032	Weyerhaeuser Company, Bruce Facility	Air-Title V Operating	6/5/2003	5/31/2008
SW0130040434	Weyerhaeuser Company	SolidWaste - NonMSW Landfill	3/15/2005	6/25/2009
030000032	Weyerhaeuser Company, Bruce Facility	Air-Construction	3/25/2005	
MSR000731	Weyerhaeuser Company, Bruce Facility	GP-Baseline	12/30/2005	2/13/2009
030000032	Weyerhaeuser NR Company, Bruce Facility	Air-Title V Fee Customer	9/2/1997	
707	Weyerhaeuser Company	Historic Site Name	7/14/1992	12/8/2008
MSR000731	Weyerhaeuser NR Company, Bruce Facility	GP-Baseline	2/13/2009	4/8/2011
MSR500075	Weyerhaeuser NR Company, Bruce Facility	GP-Land Disposal	2/13/2009	
SW0130040434	Weyerhaeuser NR Company	SolidWaste - NonMSW Landfill	6/25/2009	2/28/2015
030000032	Weyerhaeuser Company, Bruce Facility	Air-Title V Operating	8/10/2009	7/31/2014
MSR000731	Weyerhaeuser NR Company, Bruce Facility	GP-Baseline	4/8/2011	9/28/2015
MSR106404	Weyerhaeuser NR Company, Bruce Facility	GP-Construction	7/1/2013	12/31/2015

GENERAL INFORMATION

Basin: Yazoo River Basin

Location Description: PG-Plant Entrance Collected by Nancy Moore, July 19, 2001. Elevation Noted at 483 ft.
UTM's: Zone--16; North--3762.9; East--283.2 (applicant supplied data 9/2001)

General Facility Description: This is the Title V Permit Renewal. A CAM Plan has been included for Emission Point AA-002.