STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
PERMIT

AND PREVENTION OF SIGNIFICANT DETERIORATION AUTHORITY TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Choctaw Generation Limited Partnership, Red Hills Generation Facility
2391 Pensacola Road
Highway 15 South
Ackerman, Mississippi
Choctaw 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: August 25, 1998 Permit No.: 0400-00011

Modification: February 28, 2013

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PART II
GENERAL CONDITIONS

1. Any activities not identified in the application are not authorized by this permit.

2. All air pollution control facilities shall be designed and constructed such as to allow proper operation and maintenance of the facilities.

3. 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.

4. 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.

5. The construction of facilities shall be performed in such a manner as to reduce both point source and fugitive dust emissions to a minimum.

6. 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.

7. 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 requires either a temporary or permanent reduction or elimination of authorized air emissions.

8. 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.

9. 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.

10. 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. This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board.

12. This permit is for air pollution control purposes only.

13. Approval to construct will expire should construction not begin within eighteen (18) months of the issuance of this permit, or should construction be suspended for eighteen (18) months.

14. Prior to startup of air emissions equipment at this source, the permittee must obtain a Permit to Operate and submit certification that construction was completed in accordance with the approved plans and specifications.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from the following utility boilers, each of which exit out a common stack (Reference No. C1), use limestone injection for control of sulfur dioxide emissions and use a baghouse for control of particulate emissions:

Emission Point	Source	Capacity (MMBTUH)
AA-001	Circulating Fluidized Bed Boiler	2475.6
AA-002	Circulating Fluidized Bed Boiler	2475.6

These emission points are subject to the New Source Performance Standards for Electric Utility Steam Generating Units as currently specified in 40 CFR 60, Subpart Da, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

These emission points are subject to the Acid Rain Program Regulations as specified in 40 CFR 72-78, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS*

Particulate Matter	**0.015 lbs/MMBTU heat input, not to exceed 37.14 lbs/hr and 162.67 tons/year, as determined by EPA Reference Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.015 lbs/MMBTU heat input, not to exceed 37.14 lbs/hr and 162.67 tons/year as determined by EPA Reference Method 201 or 201A in conjunction with Reference Method 202, 40 CFR 51, Appendix M.**
Sulfur Dioxide	**0.25 lbs/MMBTU heat input **, not to exceed 619.02 lbs/hr (30-day rolling average) and 2,711.30 tons/year, as determined by EPA Reference Method 6, 40 CFR 60, Appendix A.**

Nitrogen Oxides	0.20 lbs/MMBTU heat input ***, not to exceed 495.13 lbs/hr (30-day rolling average) and 2,168.68 tons/year, as determined by EPA Reference Method 7, 40 CFR 60, Appendix A.
Carbon Monoxide	0.20 lbs/MMBTU heat input, not to exceed 495.13 lbs/hr and 2,168.68 tons/year, as determined by EPA Reference Method 10, 40 CFR 60, Appendix A.
Volatile Organic Compounds	0.0058 lbs/MMBTU heat input, not to exceed 14.25 lbs/hr and 62.41 tons/year, as determined by EPA Reference Method 25, 40 CFR 60, Appendix A.
Sulfuric Acid Mist	0.005 lbs/MMBTU heat input, not to exceed 12.44 lbs/hr and 54.47 tons/year
Hydrogen Fluoride	0.016 lbs/MMBTU heat input, not to exceed 38.84 lbs/hr and 170.14 tons/year
Opacity	20% (six minute average), except for one six-minute period per hour of not more than 27%, as determined by EPA Reference Method 9, 40 CFR 60, Appendix A.

* Emissions for each boiler

** At least 70% reduction of potential uncontrolled emissions (30-day rolling average) is required, as specified in 40 CFR 60, §60.43a(a)(2).

*** Limit based on CFB control technology as BACT. In addition, permittee will timely comply as per 40 CFR Part 60 with any applicable NSPS that is finally promulgated after issuance of this permit and in full force and effect as to the affected facilities.

All test methods specified above shall be those versions, or their approved equivalents, which are in effect ISSUANCE DATE.

FUEL LIMITATIONS

Lignite is the primary fuel. Fuel other than lignite, natural gas, or uncontaminated (virgin) wood waste is prohibited. Natural gas shall primarily be used for periods of startup and/or low-load operations. The natural gas firing rate is no more than 25% of maximum heat input capacity (618.9 MMBTU/hr for each boiler). No more than 154,877 tons per year of wood waste shall be burned in the two (2) CFB boilers during any consecutive 365-day period.

MONITORING

For each boiler, the permittee shall install, calibrate, maintain and operate continuous monitoring systems for measuring opacity (as specified in 40 CFR 60, §60.47a(a)), SO_2 (as specified in 40 CFR 60, §60.47a(b)(1)), NO_X (as specified in 40 CFR 60, §60.47a(c)), and CO_2 (as specified in 40 CFR 60, §60.47a(d)). Potential uncontrolled ("inlet") SO_2 emissions shall be determined by the use of an "as fired" fuel monitoring system meeting the requirements of Method 19, 40 CFR 60, Appendix A, as specified in §60.47a(b)(3). These monitoring systems must comply with all applicable requirements specified in §60.47 and §60.13 of 40 CFR 60, and 40 CFR 75.

PERFORMANCE TESTING

For each of the boilers, the permittee shall demonstrate compliance with PM emission limits by stack testing in accordance with EPA Reference Method 5 or its equivalent, as specified in 40 CFR 60, §60.8 and §60.48a(b), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

For each of the boilers, the permittee shall demonstrate compliance with SO_2 emission limits and percent reduction limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, §60.46a(e), §60.46a(f), §60.46a(g), and §60.48a(c), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

For each of the boilers, the permittee shall demonstrate compliance with NO_X emission limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, §60.46a(e), §60.46a(f), §60.46a(g), and §60.48a(d), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING REQUIREMENTS

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.49a, and 40 CFR 75. In addition, the permittee shall maintain sufficient records to document the fuel usage for both boilers on a daily basis and for any consecutive 365-day period. The permittee shall submit quarterly reports postmarked within 30 days of the close

of each calendar quarter of each calendar year providing the fuel usage for each boiler on a daily basis and for any consecutive 365-day period.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from the following natural gas-fired auxiliary boilers, all of which exit out a common stack (Reference No. C1), and use low-NO_X burners for control of NO_X emissions:

Emission Point	Source	Capacity (MMBTUH)
AA-003	auxiliary boiler	334.86
AA-004	auxiliary boiler	334.86

These emission points are subject to the New Source Performance Standards for Electric Utility Steam Generating Units as specified in 40 CFR 60, Subpart Da, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

These emission points are subject to the Acid Rain Program Regulations as specified in 40 CFR 72-78, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS*

Particulate Matter	**0.005 lbs/MMBTU heat input, not to exceed 1.76 lbs/hr and 7.72 tons/year, as determined by EPA Reference Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.003 lbs/MMBTU heat input, not to exceed 1.06 lbs/hr and 4.63 tons/year as determined by EPA Reference Method 201 or 201A in conjunction with Reference Method 202, 40 CFR 51, Appendix M.**
Sulfur Dioxide	**0.0006 lbs/MMBTU heat input, not to exceed 0.21 lbs/hr (30-day rolling average) and 0.93 tons/year, as determined by EPA Reference Method 6, 40 CFR 60, Appendix A.**

Nitrogen Oxides	0.081 lbs/MMBTU heat input, not to exceed 27.85 lbs/hr (30-day rolling average) and 121.97 tons/year, as determined by EPA Reference Method 7, 40 CFR 60, Appendix A.
Carbon Monoxide	0.042 lbs/MMBTU heat input, not to exceed 14.10 lbs/hr and 61.75 tons/year, as determined by EPA Reference Method 10, 40 CFR 60, Appendix A.
Volatile Organic Compounds	0.0015 lbs/MMBTU heat input, not to exceed 0.50 lbs/hr and 2.18 tons/year, as determined by EPA Reference Method 25, 40 CFR 60, Appendix A.
Opacity	20% (six minute average), except for one six-minute period per hour of not more than 27%, as determined by EPA Reference Method 9, 40 CFR 60, Appendix A.

* Emissions for each boiler

All test methods specified above shall be those versions, or their approved equivalents, which are in effect ISSUANCE DATE.

CONTINUOUS EMISSION MONITORING

For each boiler, the permittee shall install, calibrate, maintain and operate continuous monitoring systems for NO_X (as specified in 40 CFR 60, §60.47a(c), and 40 CFR 75), and CO_2 (as specified in 40 CFR 60, §60.47a(d), and 40 CFR 75). These monitoring systems must comply with all applicable requirements specified in §60.47 and §60.13 of 40 CFR 60 and 40 CFR 75.

PERFORMANCE TESTING

For each of the boilers, the permittee shall demonstrate compliance with PM emission limits by stack testing in accordance with EPA Reference Method 5 or its equivalent, as specified in 40 CFR 60, §60.8 and §60.48a(b), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

For each of the boilers, the permittee shall demonstrate compliance with SO_2 emission limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, §60.46a(e), §60.46a(f), §60.46a(g), and §60.48a(c), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

For each of the boilers, the permittee shall demonstrate compliance with NO_X emission limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, §60.46a(e), §60.46a(f), §60.46a(g), and §60.48a(d), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING REQUIREMENTS

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.49a, and 40 CFR 75.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-005, the 7.45-MMBTUH diesel-fired large bore internal combustion emergency generator engine.
5.12 MMBtu/hr
Such air emissions equipment shall be constructed in accordance with design criteria in the application, plans, and other technical documents submitted with the application to construct.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-006, the 0.874-MMBTUH diesel-fired reciprocating internal combustion fire pump engine.

Such air emissions equipment shall be constructed in accordance with design criteria in the application, plans, and other technical documents submitted with the application to construct.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-007, the reverse air baghouse (Reference No. BGLG-24), which controls particulate matter emitted by the primary crusher (Reference No. LG24) and by the transfer of lignite from the primary crusher to the Overland Conveyor (Reference No. LG01).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Coal Preparation Plants as specified in 40 CFR 60, Subpart Y, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**0.009 lbs/hr and 0.039 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.00405 lbs/hr and 0.0178 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
Opacity	**20% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.254(b)(2), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.
A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-008, the reverse air baghouse (Reference No. BGLG-02), which controls particulate matter emitted by the transfer of lignite from the Overland Conveyor to the secondary crusher bin (Reference No. LG02), by the secondary crusher (Reference No. LG07), by the transfer of lignite from the secondary crusher via the crusher house flop gate (Reference No. LG25) to the Stockout Conveyor LG8 (Reference No. LG26), and by any emergency transfer of lignite from the emergency truck dump (Reference No. LG03) via Conveyor LG1 (Reference No. LG5) to the secondary crusher bin.

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Coal Preparation Plants as specified in 40 CFR 60, Subpart Y, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**0.0225 lbs/hr and 0.099 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.009 lbs/hr and 0.039 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
Opacity	**20% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.254(b)(2), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-009, the reverse air baghouse (Reference No. BGLG-18), which controls particulate matter emitted by the transfer of lignite from both Conveyor LG5 and secondary crusher via the crusher house flop gate to the tertiary crusher bin (Reference No. LG18), by the tertiary crusher (Reference No. LG19), and by the transfer of lignite from the tertiary crusher to the power house bunker area Conveyor LG6 (Reference No. LG20).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Coal Preparation Plants as specified in 40 CFR 60, Subpart Y, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	0.027 lbs/hr and 0.12 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.
PM_{10}	0.009 lbs/hr and 0.039 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.
Opacity	20% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.254(b)(2), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure

that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-010, the reverse air baghouse (Reference No. BGLG-21), which controls particulate matter emitted by the transfer of lignite from the power house bunker area Conveyor LG6 to the power house bunker area Conveyor LG7 (Reference No. LG21).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Coal Preparation Plants as specified in 40 CFR 60, Subpart Y, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	0.00000863 lbs/hr and 0.000038 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.
PM_{10}	0.00000408 lbs/hr and 0.000018 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.
Opacity	20% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.254(b)(2), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-011, the reverse air baghouse (Reference No. BGFA-01), which controls particulate matter emitted by the fly ash silo (Reference No. FA01).

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**0.0000018 lbs/hr and 0.0000079 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.00000085 lbs/hr and 0.0000037 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
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 ISSUANCE DATE.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-012, the reverse air baghouse (Reference No. BGFA-02), which controls particulate matter emitted by the fly ash pneumatic transfer system (Reference No. FA02).

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**0.0000013 lbs/hr and 0.0000056 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.0000006 lbs/hr and 0.0000026 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
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 ISSUANCE DATE.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-013, the reverse air baghouse (Reference No. BGLS-02), which controls particulate matter emitted by the transfer of limestone from the limestone truck/track hopper (Reference No. LS02) to the conveyor (Reference No. LS1).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants as specified in 40 CFR 60, Subpart OOO, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**0.000019 lbs/hr and 0.000082 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.0000088 lbs/hr and 0.000039 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
Opacity	**7% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.675, and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.675.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-014, the pulse jet baghouse (Reference No. BGLS-03), which controls particulate matter emitted by the transfer of limestone from the conveyor (Reference No. LS1) to the 14,000-ton capacity limestone storage silo (Reference No. LS03).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants as specified in 40 CFR 60, Subpart OOO, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	0.000019 lbs/hr and 0.000082 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.
PM_{10}	0.0000088 lbs/hr and 0.000039 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.
Opacity	7% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.675, and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.675.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-015, the reverse air baghouse (Reference No. BGLS-04), which controls particulate matter emitted by the transfer of limestone from the 14,000-ton capacity limestone storage silo via the belt feeder (Reference No. LS04) to the conveyor (Reference No. LS2).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants as specified in 40 CFR 60, Subpart OOO, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**0.000037 lbs/hr and 0.00016 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**0.000017 lbs/hr and 0.000077 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
Opacity	**7% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.675, and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.675.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-016, the reverse air baghouse (Reference No. BGLS-06), which controls particulate matter emitted by the transfer of limestone from the conveyor (Reference No. LS2) to the limestone crusher surge bin (Reference No. LS06), by the limestone crusher, and by the transfer of limestone from the limestone crusher to the conveyor (Reference No. LS3), all of which is enclosed within the limestone crusher building.

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants as specified in 40 CFR 60, Subpart OOO, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	0.00046 lbs/hr and 0.002 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.
PM_{10}	0.00018 lbs/hr and 0.00081 tons/year as determined by EPA Test Methods 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.
Opacity	7% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.675, and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the

Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.675.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-017, the pulse jet baghouse (Reference No. BGLS-09), which controls particulate matter emitted by the transfer of limestone from the conveyor (Reference No. LS3) via the limestone belt feeder (Reference No. LS09) to the limestone storage bins (Reference No. LS09).

The above units and/or operations which vent to this emission point are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants as specified in 40 CFR 60, Subpart OOO, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards.

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	0.000037 lbs/hr and 0.00016 tons/year, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A.
PM_{10}	0.000017 lbs/hr and 0.000077 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.
Opacity	7% 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 ISSUANCE DATE.

PERFORMANCE TESTING

The permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.675, and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10)

DAYS notice should be given so that an observer may be scheduled to witness the test(s).

RECORDKEEPING AND REPORTING

The permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.675.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-018, the wood waste handling system.

Such air emissions equipment shall be constructed in accordance with design criteria in the application, plans, and other technical documents submitted with the application to construct.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-019, the gasoline loading station (Reference No. X03).

Such air emissions equipment shall be constructed in accordance with design criteria in the application, plans, and other technical documents submitted with the application to construct.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-020, the diesel loading station (Reference No. X04).

Such air emissions equipment shall be constructed in accordance with design criteria in the application, plans, and other technical documents submitted with the application to construct.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from Emission Point AA-021, the 18-cell, mechanical draft, counterflow-type cooling tower (Reference No. X05).

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified below.

EMISSION LIMITATIONS

Particulate Matter	**45.0 lbs/hr and 197.10 tons/year as determined by EPA Test Method 1-5, 40 CFR 60, Appendix A.**
PM_{10}	**18.0 lbs/hr and 78.84 tons/year as determined by EPA Test Method 201 or 201A in conjunction with Test Method 202, 40 CFR 51, Appendix M.**
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 ISSUANCE DATE.

PART II
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

Beginning ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants from the following horizontal fixed roof storage tanks:

Emission Point	Reference Number	Contents	Capacity (Gallons)
AA-101	T01	Diesel Fuel	510
AA-102	T02	Gasoline	510

Such air emissions equipment shall be constructed in accordance with design criteria in the application, plans, and other technical documents submitted with the application to construct.

PART III
OTHER REQUIREMENTS

(1) For Emission Points AA-007 through AA-018, the operator of the equipment covered by this permit shall operate and maintain this equipment to assure that the emission rates will not, at any time, exceed the rates allowed by the Mississippi Air Emission Regulations.

Regular maintenance shall be performed each month or more often if necessary to maintain proper operation of the pollution control equipment. Records of this 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.

(2) For Emission Points AA-007 through AA-018, the permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the pollution control equipment. In the event of a failure of the pollution control equipment, the permittee shall cease operations of the affected unit(s) until such time as repairs are made and the proper efficiency of the pollution control equipment is restored.

(3) Dust from truck traffic and other fugitive emissions on plant property must be kept to a minimum. Dust suppression/collection measures shall be employed to minimize dust from equipment and/or operations in the lignite, limestone, wood waste and fly ash handling and storage systems. These measures include but are not limited to the use of partially enclosed belt conveyors, wet suppression sprays, dust collectors, and suction hoods. All in-plant roads and the ash haul road shall be paved or surfaced with a stable material to minimize fugitive particulate emissions. Water sprays must be used on all the mine haul roads to minimize particulate emissions.

(4) <u>Lignite Handling System</u>:

All point source (Emission Point AA-007 through AA-010) and non-point source type emissions from the lignite processing, conveying, storage (except for open stockpiles), transfer and loading equipment and/or operations are subject to the New Source Performance Standards for Coal Preparation Plants as specified in 40 CFR 60, Subpart Y, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards. Specifically, visible emissions from the above listed sources shall not exceed 20% opacity.

For the above listed sources, the permittee shall demonstrate compliance with opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.254(b)(2), and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).

(5) Limestone Handling System:

All of the limestone conveyor belts, the belt feeders, the limestone storage bins, all transfer points to and from the conveyor belts and belt feeders, the crusher operations and the limestone silo are subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants as specified in 40 CFR 60, Subpart OOO, and the General Provisions as specified in 40 CFR 60, Subpart A, and the permittee must comply with all applicable requirements of said standards. Specifically, fugitive emissions from the above listed equipment and/or operations shall not exceed 10% opacity. In addition, the permittee must comply with the reporting and recordkeeping requirements specified in 40 CFR 60, §60.7 and §60.675.

The permittee shall demonstrate compliance with the opacity limits by testing in accordance with the requirements specified in 40 CFR 60, §60.8, and §60.675, and submittal of a test report within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup.

A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least TEN (10) DAYS notice should be given so that an observer may be scheduled to witness the test(s).