EVERGREEN PAPER AND ENERGY, LLC

BUBBLING BED BOILER

FACILITY ID NO.: 0310537

DUVAL COUNTY

AIR CONSTRUCTION PERMIT

FINAL PERMIT NO.: 0310537-001-AC

PERMITTING AND COMPLIANCE AUTHORITY
ENVIRONMENTAL RESOURCE MANAGEMENT DEPARTMENT
ENVIRONMENTAL QUALITY DIVISION
117 WEST DUVAL STREET
SUITE 225
JACKSONVILLE, FL 32202
TELEPHONE: (904) 630-4900
FAX: (904) 630-3638

Air Construction Permit
Final Permit No.: 0310537-001-AC

Table of Contents

Section **Page Number**

Placard Page..... 1

I. Facility Information.....2 - 3
- A. Facility Description
- B. Summary of Emission Unit ID Nos. and Brief Descriptions
- C. Relevant Documents

II. Facility Wide Conditions.....3 - 7

III. Emission Units and Descriptions.....7 - 12

Emission Unit ID No.	Brief Description
001	Bubbling Bed Boiler
002	Sand Silos
003	Ash Silo

Permittee:
Evergreen Paper and Energy, LLC
111 Riverside Ave
Jacksonville, FL 32202

Final Permit No.: 0310537-001-AC
Facility ID No.: 0310537
SIC No.: 49
Project: Air Construction Permit

This permit is for the construction of a bubbling bed boiler for the production of steam. The steam will operate a generator for the production of electricity. This facility is located at 4300 Talleyrand Ave, Jacksonville, Duval County, FL.; UTM Coordinates: Zone 17, 439.5 km East and 3359.4 km North; Latitude: 30° 21′ 54″ North and Longitude: 81° 37′ 48″ West.

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (FAC), Rules 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Environmental Resource Management Department, Environmental Quality Division (Department), and made a part hereof, in accordance with the terms of this permit.

Title V Air Operation Permit Application Due Date: *April 1, 2009
Expiration Date: September 30, 2009

Environmental Resource Management Department
Environmental Quality Division

Robert Steven Pace, P.E.
Air Quality Branch Manager

***See Section II, Subsection B, Specific Condition 9

RSP/JW

Section I. Facility Information

Subsection A. Project & Facility Description

The purpose of this construction permit is to construct a bubbling bed boiler for the production of steam. The generated steam will operate a generator for the production of electricity.

The facility will be a major source of air pollution because the potential emissions of regulated criteria air pollutants are greater than 100 tons per year. The facility is classified as major for Hazardous Air Pollutants (HAP) since the potential emissions of Hazardous Air Pollutants (HAP) are greater than 10 tons per year for a single HAP and/or greater than 25 tons per year for total HAPs in accordance with Rule 62-210, FAC, and JEPB Rule 2.301.

The facility is minor (i.e., potential to emit is less than 250 tons per year of a regulated pollutant and the facility is not on the list of 28 facilities identified in Rule 62-212, FAC) for purposes of Prevention of Significant Deterioration (PSD), therefore PSD does not apply.

The applicant is proposing to install a bubbling bed boiler to generate steam which will run an electrical generator capable of generating approximately 18 megawatts of power. The bubbling bed material will be primarily sand. The estimated maximum heat input to the boiler is 302 million Btus per hour. The primary fuel to be used in the boiler is yard waste. Yard waste consists primarily of grass, grass clippings, bushes, shrubs, and clippings from bushes and shrubs that are generated from maintenance activities associated with yards or other private or public lands. Clean wood and bark may also be used as fuel. Natural gas and/or very low sulfur fuel oil may also be used as fuel in the boiler, primarily as a startup fuel. On an annual basis the total heat input to the boiler shall be limited to a capacity factor of 62 percent based upon 8760 hours per year. The heat input to the boiler shall be limited to an annual capacity factor of 10 percent based upon 8760 hours per year for the following fuels: natural gas and fuel oil (combined).

Particulate matter (PM) emissions shall be controlled by an Entech Corporation electrostatic precipitator. A wet scrubber will also be installed for sulfur dioxide control and/or acid gases control. The scrubber is manufactured by Bionomics Industries and is a Rotabed Scrubber Series 5700, Model 135.

The sand silos (combined) and ash silo shall each be controlled by a Mikro Pulsaire Fabric Filter baghouse Model No. 36S8.30 style.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

EU No.	EU Description
001	Bubbling Bed Boiler
002	Sand Silos
003	Ash Silo

Subsection C. Relevant documents

Permit application received November 18, 2005
Additional information request dated December 14, 2005
Additional information received February 13, 2006

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific process and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

   Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

   a. A description of and cause of noncompliance; and
   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:
    ( ) Determination of Best Available Control Technology (BACT)
    ( ) Determination of Prevention of Significant Deterioration (PSD)
    ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
    (X) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:
    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
       1. the date, exact place, and time of sampling or measurements;
       2. the person responsible for performing the sampling or measurements;
       3. the date(s) analyses were performed;
       4. the person responsible for performing the analyses;
       5. the analytical techniques or methods used;
       6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly. [Rule 62-4.160, FAC, and Rule 2.1301, Jacksonville Environmental Protection Board (JEPB).]

Subsection B. Specific Conditions

1. Permittee shall notify the Department fifteen (15) days prior to EU testing.
[Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, Jacksonville Environmental Protection Board (JEPB)]

2. Copies of the test report(s) shall be submitted to the Department within forty-five (45) days of completion of testing.
[Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]

3. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
[Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]

4. Control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB.]

5. Stack sampling facilities shall comply with the requirements of Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB.

6. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]

7. Permittee shall submit an annual operation report to the Department for this emission unit(s) on the form(s) supplied for each calendar year on or before March 1.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]

8. The construction/modification shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing sixty (60) days prior to the expiration of the construction permit. A new schedule and request for an extension of the construction permit must be submitted.
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]

9. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for a Title V Air Operating Permit with compliance records and test results, to the Department, at least one hundred eighty (180) days prior to the expiration date of the construction permit but no later than 180 days after completion of construction, whichever occurs first. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid operating permit to operate.
[Rule 62-210.300(2), FAC, Rule 62-213.420(1)(a)2., FAC, Rule 2.301, JEPB, and Rule 2.501, JEPB]

10. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]

11. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using reasonable precautions. Reasonable precautions may include, but shall not be limited to the following.

    a. Reduced speed for vehicular traffic.
    b. Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
    c. Use of paving or other asphaltic materials.
    d. Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
    e. Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
    f. Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
    g. Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
    h. Enclosures or covering of conveyor systems.

    [Rule 62-296.320(4)(c)2., FAC, and Rule 2.1001, JEPB]

12. The permittee shall submit all compliance-related notifications and reports required of this permit to the Department at:

    Environmental Resource Management Department
    Environmental Quality Division
    117 West Duval Street, Suite 225
    Jacksonville, FL 32202
    Telephone: 904/630-4900
    Fax: 904/630-3638

13. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

14. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIII.

15. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted, providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period, unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700, FAC, and Rule 2.201, JEPB]

16. Source Obligation.
(a) Authorization to construct shall expire if construction is not commenced within 18 months after receipt of the permit, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. This provision does not apply to the time period between construction of the approved phases of a phased construction project except that each phase must commence construction within 18 months of the commencement date established by the Department in the permit.

(b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), FAC, shall apply to the source or modification as though construction had not yet commenced on the source or modification.

(c) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), FAC, shall apply to the source or modification as though construction had not yet commenced on the source or modification.
[Rule 62-212.400(12), FAC, and Rule 62-204, JEPB]

Section III. Emission Units and Conditions

Emission Unit No. 001-Bubbling Bed Boiler

Emission Unit Description: Trigen Bio-Power circulating fluidized bubbling bed boiler for the production of steam. Steam shall be used to run a generator for the production of approximately 18 megawatts of electricity. Estimated maximum heat input is 302 MMBtu per hour.

Particulate Matter (PM) control device: Entech Corporation electrostatic precipitator with a normal inlet flow of 160,100 acfm, 360 degrees Fahrenheit, and an inlet loading of 10.14 grains per dry standard cubic foot of air flow. The precipitator consists of one chamber with approximately 62,000 square feet of collection area. Normal power consumption is approximately 83 KW.

Sulfur dioxide (SO_2) and/or acid gases control device: Bionomics Industries Rotabed Scrubber Series 5700, Model 135 wet spray tower scrubber. Nominal scrubber flow rate is 1750 gallons per minute, approximately 149,000 acfm, at a four to six inch pressure differential.

Essential PTE Parameters

1. This EU shall be allowed to operate continuously; i.e., 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

3. 40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

4. PM emissions shall be limited to 0.10 lbs/MMBtu heat input.
[40 CFR 60.43b(c)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

5. VE shall be limited to twenty (20) percent (%) opacity continuous, except for one six (6) minute period per hour when twenty seven (27) % opacity shall be allowed.
[40 CFR 60.43b(f), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

6. Only natural gas and/or virgin distillate fuel oil may be combusted as startup fuel(s). The applicant has requested a maximum fuel sulfur limit of 0.05% by weight, which is less than the limit of 0.5% by weight required by Rule 40 CFR 60.41b. Therefore, the fuel sulfur content limit shall not exceed 0.05% by weight. The annual capacity factor for natural gas and virgin distillate fuel oil, combined, shall be limited to 10%.
[40 CFR 60.42b(a) and (j), 40 CFR 60.45b(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB, Applicant's request]

7. The annual capacity factor for total heat input (all fuels) shall be limited to 62%.
[Rule 62-212.400(2)(d)1., Rule 2.401, JEPB, and Applicant's request]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 5B, or 17 (as described in 40 CFR 60, Appendix A), for the determination of the PM emissions rate. The method chosen shall comply with the procedures and protocol described in 40 CFR 60.46b(d).The method chosen shall be used for the life of the permit.
[40 CFR 60.46b(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[40 CFR 60.46b(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

10. Initial PM and concurrent initial VE compliance testing shall be conducted within 60 days after achieving the maximum production rate at which the emission unit will be operated but no later than 180 days after initial start-up of the emission unit. The initial VE test shall be a minimum of three (3) hours in length.
[40 CFR 60.8 and 60.11, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. The permittee shall obtain fuel receipts stating the sulfur content of the very low sulfur fuel oil combusted as described in 40 CFR 60.45b(j).
[40 CFR 60.45b, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Emissions Monitoring

12. The permittee shall conduct emission monitoring for sulfur dioxide in accordance with 40 CFR 60.47b. If the permittee obtains fuel receipts for the fuel oil as described in 40 CFR 60.49b(r) and compliance is demonstrated, then the permittee is not subject to the sulfur dioxide emission monitoring requirements referenced in this condition.
[40 CFR 60.47b, Rule 62-204.88, FAC, and Rule 2.201, JEPB]

13. The permittee shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system. The procedures in 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring system. Span values shall be in accordance with 40 CFR 60.48(e)(1).
[40 CFR 60.48b(a) and (e), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Reporting and Record-keeping Requirements

14. The permittee shall submit notification of the initial startup date of the boiler. Included with this notification shall be the design heat input capacity, description of the fuels to be combusted in the boiler, copy of any federally enforceable requirement(s) which limit the annual capacity factors for fuels or fuel mixtures as referenced under 40 CFR 60.49b(a)(2), and the estimated annual capacity factors which the permittee intends to operate the boiler based upon all fuels fired and based upon each individual fuel fired. This notification shall be postmarked within 15 days of the actual startup date.
[40 CFR 60.49b(a), 40 CFR 60.7(a)(3), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

15. The permittee shall submit notification of the commencement of construction date postmarked within 30 days of such date. The permittee shall submit notification of the date upon which demonstration of the continuous monitoring system (COMS) performance test commences postmarked no later than 30 days prior to such date.
[40 CFR 60.7(a)(1) and (5), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

16. The permittee shall submit the performance test data from the initial performance test and performance evaluation of the COMS using the applicable performance specifications in 40 CFR 60, Appendix B.
[40 CFR 60.49b(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

17. The permittee shall record and maintain records of the amounts of each fuel combusted during each day and shall calculate the annual capacity factor individually for each fuel combusted for the reporting period. The annual capacity factor is determined on a 12 month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. The annual capacity factor shall be reported semi-annually.
[40 CFR 60.49b(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

18. The permittee shall maintain records of the opacity.
[40 CFR 60.49b(f), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

19. The permittee shall submit excess emission reports for opacity for excess emissions which occurred during the reporting period in accordance with the procedures in 40 CFR 60.49b(h) and 40 CFR 60.7(c) and (d).
[40 CFR 60.49b(h), 40 CFR 60.7(c) and (d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

20. The permittee shall submit reports for fuel oil combustion as described in 40 CFR 60.49b(r).
[40 CFR 60.49b(r), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

21. The reporting period for required reports shall be each six (6) month period. Unless otherwise required by rule, permit, or order the reporting period shall be January through June and July through December. Reports shall be postmarked within 30 days of the end of the reporting period.
[40 CFR 60.49b(w), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

22. The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected source; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
[40 CFR 60.7(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

23. The permittee may submit required reports electronically in accordance with 40 CFR 60.49b(v) with advance approval and agreement of the permitting authority. These electronic reports shall be submitted quarterly within 30 days of the end of the calendar quarter.
[40 CFR 60.49b(v), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

24. The permittee shall record the operating hours of the boiler on a monthly basis and shall provide these records to the Department upon request.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

25. The permittee shall submit an Operation and Maintenance Plan for the electrostatic precipitator, wet scrubber, the PM collection systems, and the processing systems. The O&M plan shall be submitted with the Title V Air Operating Permit application, if not already submitted.
[Rule 62-296.700(6), FAC and Rule 2.1001, JEPB]

National Emission Standards for Hazardous Air Pollutants

26. The facility is subject to 40 CFR, Part 63, Subpart DDDDD, National Emission Standards for Hazardous air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, and 40 CFR Part 63, Subpart A, General Conditions. The 40 CFR, Part 63, Subpart DDDDD, compliance date is September 13, 2007. Compliance with the emission limiting standards and work practices of this subpart shall be demonstrated by September 13, 2007 or startup, whichever is later. Compliance with the notification requirements as referenced in 40 CFR 63.7545 may be required at an earlier date. All notifications, reports, testing, and other information shall be submitted to the permitting authority.
[40 CFR Part 63, Subpart DDDDD]

Emission Unit No. 002-Flyash Silo System

Emission Unit Description: Flyash collected by the ESP shall be pneumatically transferred to the flyash storage silo.

PM Control Device: PM generated during the transfer, storage and handling shall be controlled with a Micro-Pulsaire Fabric Filter (Baghouse) Model No. 36S8.30, Style B. Nominal air flow is 1360 dscfm.

Essential PTE Parameters

1. This EU shall be allowed to operate continuously; i.e., 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

3. PM emissions shall be limited to 0.03 gr/dscf [0.35 lbs/hr and 1.53 TPY].

[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

4. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-296.711, FAC and Rule 2.1001, JEPB]

6. Initial VE compliance testing shall be conducted within 60 days after achieving the maximum production rate at which the emission unit will be operated but no later than 180 days after initial start-up of the emission unit. Testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Record-keeping Requirements

7. The permittee shall submit and an Operation and Maintenance Plan for the baghouse system. The O&M plan shall be submitted with the Title V Air Operating Permit application, if not already submitted.
[Rule 62-296.700(6), FAC and Rule 2.1001, JEPB]

Emission Unit No. 003-Sand Silos System

Emission Unit Description: Two silos are used for sand storage. Sand is pneumatically loaded into the silos from trucks. Sand is pneumatically distributed to the boiler.

PM Control Device: PM generated during the transfer, storage and handling of sand from the two silos shall be controlled with a single Micro-Pulsaire Fabric Filter (Baghouse) Model No. 36S8.30, Style B. Nominal air flow is 1360 dscfm.

Essential PTE Parameters

1. This EU shall be allowed to operate continuously; i.e., 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

3. PM emissions shall be limited to 0.03 gr/dscf [0.35 lbs/hr and 1.53 TPY].
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

4. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-296.711, FAC and Rule 2.1001, JEPB]

6. Initial VE compliance testing shall be conducted within 60 days after achieving the maximum production rate at which the emission unit will be operated but no later than 180 days after initial start-up of the emission unit. Testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Record-keeping Requirements

7. The permittee shall submit and an Operation and Maintenance Plan for the baghouse system. The O&M plan shall be submitted with the Title V Air Operating Permit application, if not already submitted.
[Rule 62-296.700(6), FAC and Rule 2.1001, JEPB]

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to S.120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

s:\air quality\permitv\TVCP\final\0310537-001f-AC