



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP05-1323

Colleen M. Castille
Secretary

08/29/05

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

Mr. James M. Chansler
St. Johns River Power Park
11201 New Berlin Road
Jacksonville, Florida 32226

**RE: St Johns River Power Park
Modification to Conditions of Certification
DEP Case Number PA 81-13L
OGC Case Number 05-1677**

FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Mr. Chansler:

On January 1, 2004, the Department of Environmental Protection (DEP) issued a final Title –V permit revision (0310045-011-AV) for **St. John River Power Park (SJRPP)**. Review of the Conditions of Certification for SJRPP indicated that a modification would be necessary.

On or before July 10, 2005 all parties to the certification proceeding were provided with notice by certified mail of the Department's intent to modify the Conditions of Certification for this facility, along with a copy of the proposed Order Modifying Conditions of Certification. Additionally, on July 10, 2005, notice of the Department's intent to modify the Conditions of Certification for this facility was published on the Department's internet home page at <http://www.dep.state.fl.us/> under the link or button titled "Official Notices." Those notices specified that pursuant to Section 403.516, Florida Statutes ("F.S."), and Rule 62-17.211, Florida Administrative Code ("F.A.C."), all parties to the certification proceeding have 45 days from the issuance of notice by mail to such party's last address of record in which to file a written objection to the modification; that any person who is not already a party to the certification proceeding and whose substantial interests will be affected by the requested modification has 30 days from the date of publication of the public notice on the Department's internet home page to object in writing; that failure to act within the time frame constitutes a waiver of the right to become a party; and that the Department will issue an Order Modifying the Conditions of Certification for this facility if no written objections are received by the Department.

No objections to the modification have been received by the Department. The Conditions of Certification for Deerhaven are hereby modified as follows:

All reference to 'permittee' is changed to 'licensee'

I. Air

The construction and operation of SJRPP Units 1 & 2 at the ~~JEA Jacksonville~~ steam electric power plant site shall be in accordance with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-256, 62-296, 62-297, 62-701 and 62-702, Florida Administrative Code, and PSD Permit PSD-FL-010, as amended, and Title V Air Operation Permit No 0310045-011-AV a and any modification or amendment to such Title V permit. In addition to the foregoing, the ~~permittee~~ licensee shall comply with the following conditions of certification:

A. Emission Limitations

1. No Change
2. When Unit 1 or Unit 2 are burning a mixture of coal and petroleum coke, the following limitations shall apply:
 - a. When blends of petroleum coke and coal with a sulfur content of up to or equal to 2 percent by weight are fired in Units 1 & 2, the SO₂ emissions shall not exceed ~~0.55~~ 0.53 pound per million British Thermal Units (lb/MMBtu) and a minimum of ~~76~~ 79 percent reduction shall be achieved in the flue gas desulfurization system.
 - b. When co-firing petroleum coke with coals having a sulfur content between 2.00 and 3.63 percent by weight, the emission limitation shall be based on the following formula: SO₂ emission limit (lb/MMBtu)=(0.2 x C/100)+0.4, where C=percent of coal fired on a heat input basis.
 - c. When coals with a sulfur content greater than 3.63 percent by weight are co-fired with petroleum coke, the SO₂ emission limitation shall be established by the following formula: SO₂(lb/MMBtu)=(0.1653 x C x S - 0.4 x C+40) x 1/100, where C=percent of coal co-fired on a heat input basis and S=weight percent sulfur in the coal.
 - d. The maximum SO₂ emission rate when firing petroleum coke and coal shall not exceed 0.676 lb/MMBtu heat input.
 - e. Compliance with the SO₂ emission limit shall be based on a 30-day rolling average for those days when petroleum coke is fired. Any use of petroleum coke during a 24-hour period shall be considered one day of the 30-day rolling average. The 30-day rolling average shall be calculated according to the New Source Performance Standards (NSPS) codified in 40 CFR 60 Subpart Da, except as noted above.
 - f. The petroleum coke blends shall be limited to a maximum of ~~20~~ 30 percent petroleum coke by weight. The maximum weight of petroleum coke burned shall not exceed ~~100,000~~ 150,000 lb/hr based on a 30-day rolling average using production information for the amount of coal and petcoke metered from the coal storage bins to the boilers. The maximum sulfur content of the petroleum coke-coal blend shall not exceed 4.00 percent by weight.

g. The ~~permittee~~ licensee shall maintain and submit to the Department on an annual basis for a period of five years from the date the unit is initially co-fired with petroleum coke above 20% by weight, information demonstrating in accordance with 40 CFR 52.21(b)(21)(v) and 40 CFR 52.21(b)(33) that operation changes did not result in emissions increases of nitrogen oxides, carbon monoxide, sulfur dioxide, sulfuric acid mist, volatile organic compounds and particulate matter.

~~h. The permittee licensee shall maintain and submit to the Department on a semiannual basis for a period of two years from the date the unit is initially co-fired with petroleum coke, and then on an annual basis (if the first two years of data show no significant increase in carbon monoxide emissions) for an additional three years, information demonstrating that the operational changes did not result in a significant emission increase of carbon monoxide. The carbon monoxide emissions shall be based on test results using EPA Method 10. Additionally, quarterly continuous emission monitoring data for carbon monoxide emissions shall be submitted to the Department for a period of two years to show the range of emissions experienced during each quarter.~~

~~i. The permittee licensee shall maintain and submit to the Department on a semiannual basis, for a period of two years from the date a unit is initially co-fired with petroleum coke, information demonstrating that the operational changes did not result in significant increases of sulfuric acid mist. The sulfuric acid mist emissions shall be based on test results using EPA Method 8.~~

3. – 15. No Change

B. – E. No Change

XXIII. Definitions

The meaning of terms used herein shall be governed by the definitions contained In Chapter 403, Florida Statutes, and any regulation adopted pursuant thereto. In the event of any dispute over the meaning of a term used in these general or special conditions which is not defined in such statutes or regulations, such dispute shall be resolved by reference to the most relevant definitions contained in any other state or federal statute or regulation or, in the alternative, by the use of the commonly accepted meaning as determined by the Department. The term "Licensee" shall mean JEA.

Any party to the this Order has a right to seek judicial review of it pursuant to Section 120.68, Florida Statutes by filing a Notice of Appeal, pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000, and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty days from the date this Order is filed with the Clerk of the Department of Environmental Protection.

St. John River Power Park
Modification to Conditions of Certification
DEP Case Number PA 81-13L
OGC Case Number 05-1677
August 29, 2005

DEP05-1323

Executed in Tallahassee, Florida.

Hamilton S. Oven
Hamilton S. Oven, P.E.
Administrator, Siting Coordination Office

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52
Florida Statutes, with the designated
Department Clerk, receipt of which is
hereby acknowledged.

Landa Korokous 8/29/05
Clerk Date

St. John River Power Park
Modification to Conditions of Certification
DEP Case Number PA 81-13L
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DEP05-1323

CC by certified mail:

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