



Florida Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

December 22, 2009

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

Mr. Jay Worley
Director, Environmental Programs
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 81-130
OGC Case Number 09-3971

FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Mr. Worley;

On June 29, 1982, the Siting Board certified the construction and operation of the St. Johns River Power Park. This certification authorized the construction and operation of two fossil fuel-fired steam generators (Units 1 and 2) each having a nominal rating of 679.6 megawatts. The Department of Environmental Protection (Department) has modified the Conditions of Certification by Final Order on fifteen other occasions. An amendment to PSD-FL-010(H) was noticed on October 31, 2008 and issued November 21, 2008. This amendment has been attached to Appendix A of the Conditions of Certification. On March 14, 2008, the Department published notice of its intent to issue a revision to NPDES permit FL0037869. This revision was issued on May 28, 2008 and has been attached to Appendix B of the Conditions of Certification.

Pursuant to 403.516(1)(b), Florida Statutes ("F.S."), the Department may modify specific Conditions of a site Certification which are inconsistent with the terms of any federally delegated or approved permit. Such modification(s) may be made without further notice if the matter has been previously noticed under the requirements for any federally delegated or approved permit program. The Conditions of Certification for the St. Johns River Power Park are hereby modified as follows:

I. AIR

The construction and operation of SJRPP Units 1 & 2 at the JEA 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, ~~PSD Permit 265, PSD-FL-010 (0310045-015-AC and Air Construction Permit 0310045-017-AC)~~, all attached as Appendix A4 and A2, and Title V Air Operation Permit No 0310045-020 attached as (Appendix B). Any final issuance, modification, or amendment to such PSD, Air Construction permits and Title V permits, are incorporated by reference herein, and are binding and enforceable Conditions of this Certification. The Licensee is subject to and shall comply with the terms, conditions, requirements, limitations, and restrictions set forth in Appendix A4 and A2 ~~as well as Appendix B~~ and any final issuance, modification, or amendment to such PSD, Air Construction and Title V permits. A violation of the terms conditions, requirements, limitations, and restrictions in Appendix A4, A2 and Appendix B is a violation of these Conditions of Certification.

II. WATER DISCHARGES

Any discharges into any waters of the State during construction and operation of SJRPP Units 1 and 2 shall be in accordance with Permit No. FL0037869, attached as Appendix C, and all applicable provisions of Chapter 62-302, Florida Administrative Code, and 40 CFR, PART 423, *Effluent Guidelines and Standards for Steam Electric Power Generating Point Source Category*, except as provided herein. Any final issuance, modification, or amendment to such permit are incorporated by reference herein, and are binding and enforceable Conditions of this Certification.

A. ~~Plant Effluents and Receiving Body of Water~~

1. ~~Thermal Mixing Zones~~

~~The instantaneous zone of thermal mixing for the cooling system shall not exceed an area of 17 acres. The temperature at the point of discharge into the St. Johns River, as measured at Outfall Serial Number (OSN) 001, shall not be greater than 105 degrees F. The temperature of the water at the edge of the mixing zone shall not exceed the limitations of paragraph 62-302.520, F.A.C. Cooling tower blowdown shall not exceed 96° F. as a Daily Maximum as measured at Outfall D-001.~~

2. ~~Mixing Zones~~

~~The discharge of the following pollutants shall not violate the Water Quality Standards of Chapter 62-302.530, F.A.C., beyond the edge of the designated instantaneous mixing zones as described herein.~~

Pollutant	Mixing Zone	
Aluminum	125,600 M ²	31 Acres
Copper	125,600 M ²	31 Acres
Cyanide	125,600 M ²	31 Acres
Iron	125,600 M ²	31 Acres
Mercury	125,600 M ²	31 Acres
Silver	125,600 M ²	31 Acres
Oil and Grease	125,600 M ²	31 Acres
Selenium	80 M ²	0.02 Acres
Chlorides	80 M ²	0.02 Acres

3. ~~Variances to Water Quality Standards~~

~~In accordance with the provisions of Sections 403.201 and 403.511(2), F.S., JEA is hereby granted variances to the water quality standards of Chapter 62-302.530, F.A.C., for aluminum, copper, iron, mercury and silver, and Rule 62-302.530, F.A.C., for oil and grease but only at such times as the natural background levels of the St. Johns River approach or exceed those standards. In any event, the discharge from the SJRPP shall comply with the~~

~~effluent limitations set forth in paragraph II.A.6. The variances for mercury, copper, and silver shall only be for two years from June 10, 1992, but may be extended by the Secretary based on results of monitoring data on wastewater treatment plant efficiency and ambient water quality. A water quality analysis program shall be implemented after review and approval by the Department. The test program shall be submitted to the Department by July 15, 1992. The Department shall indicate its approval or disapproval within 60 days.~~

B. Water Monitoring Programs

1. Groundwater Monitoring

The groundwater levels shall be monitored continuously at selected wells as approved by the St. Johns River Water Management District. Chemical analyses shall be made on samples from all monitored wells identified in Condition III.F., below. The location, frequency and selected chemical analyses shall be as given in Condition III.F.

2. The groundwater monitoring program shall be implemented at least one year prior to operation of SJRPP Unit 1. The chemical analyses shall be in accord with the latest edition of *Standard Methods for the Analysis of Water and Wastewater*. The data shall be submitted within 30 days of collection/analysis to the St. Johns River Water Management District and to the DEP's Northeast District Office.

No other changes to the Conditions of Certification

The Conditions of Certification (including attachments) are available at the following web site: <http://www.dep.state.fl.us/siting/certification.htm>. Copies of the Conditions of Certification and/or attachments may also be obtained by contacting the Siting Coordination Office, Marjory Stoneman Douglas Building, 3900 Commonwealth Boulevard, Florida 32399-3000, (850) 245-2002.

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.

The Department also notes that in the near future it will be initiating a modification pursuant to Section 403.516(1)(c), F.S., to update St. Johns River Power Park's existing Conditions of Certification to incorporate a uniform set of General Conditions consistent with recent Site Certifications. If you have any questions regarding this upcoming modification, please contact Ann Seiler at (850) 245-2143.

Executed in Tallahassee, Florida.

Sincerely,

Michael P. Halpin, P.E.

Michael P. Halpin, 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.

Essie Turner *12/23/09*
Clerk Date

CC by certified email:

Emily Norton, Esquire
Fish and Wildlife Conservation
Commission
620 South Meridian Street
Tallahassee, FL 32399-1600
emily.norton@myfwc.com

Kimberly Menchion, Esq.
Assistant General Counsel
Department of Transportation
605 Suwannee Street, MS 58
Tallahassee, FL 32399-0458
kimberly.menchion@dot.state.fl.us

Gary P. Sams, Esq.
Angela R. Morrison, Esq.
Hopping Green & Sams, P.A.
P.O. Box 6526
Tallahassee, Florida 32317
auhland@hgslaw.com
gsams@hgslaw.com

Daniel Beard, Esquire
City of Jacksonville-City Hall
220 West Bay Street
Jacksonville, FL 32202
dbeard@jacksonvilleil.com

Toni Sturtevant, Esquire
Department of Environmental Protection
3900 Commonwealth Blvd.
Mail Station 35
Tallahassee, FL 32399-3000
toni.sturtevant@dep.state.fl.us

Matt Davis, Esquire
Department of Community Affairs
2555 Shumard Oak Blvd.
Tallahassee, Florida 32399-2100
matthew.davis@dca.state.fl.us

Jennifer Brubaker, Esq.
Florida Public Service Commission
Gerald Gunter Building
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
JBrubake@PSC.STATE.FL.US

Veronica Thiebach, Esquire
St. Johns River Water Management District
P.O. Box 1429
Palatka, FL 32178-1429
vthiebach@sjrwmd.com

Bryan Teeple
Northeast Regional Planning Council
9143 Phillips Highway
Jacksonville, FL 32256
bteeple@nefrc.org

Additional copy to:

Jeff Martin
Department of Environmental Protection
Northeast District Office
Jacksonville, FL, 32256-7577
jeff.martin@dep.state.fl.us