

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In Re: Jacksonville Electric Authority     )  
St. Johns Power Park Power Plant        )  
Plant Certification Modification Request    )  
No. PA 81-13                                )  
Duval County, Florida                        )  
\_\_\_\_\_)

OGC NO. 85-0353

FINAL ORDER  
MODIFYING CONDITIONS OF CERTIFICATION

The Department of Environmental Protection after notice and opportunity for hearing modifies the Conditions of Certification for the Jacksonville Electric Authority St. Johns River Power Park pursuant to the Florida Electrical Power Plant Siting Act Section 403.516(1) Florida Statutes (F.S.), and Condition XXV, Modification of Conditions, which delegates authority to modify conditions to the Department.

On June 8, 1994, Jacksonville Electric Authority (JEA) submitted petitions to the Department requesting certain modifications to conform the Conditions of Certification for the above referenced facility to the revised NPDES permit by deleting a reference to monitoring for metals at the sump pump, and to conform cooling tower chlorination requirements. On January 24, 1995, JEA requested deletion of references to auxiliary boilers that have been deleted from the site.

Copies of JEA's request were distributed to all parties to the certification proceeding and made available for public review. On March 17, 1995, Notice of Proposed Modification of Power Plant Certification was published in the Florida Administrative Weekly. Copies of the request to modify were sent to all parties to the original proceeding. As of March 14, 1995, all of the parties to the original proceeding had received copies of the intent to issue. The notice specified that a hearing would be held if a party to the original certification hearing objects within 45 days from receipt of the proposed modification or if a person

whose substantial interests will be affected by the proposed modification objects in writing within 30 days after issuance of the public notice. No written objection to the proposed modifications was received by the Department.

Accordingly, in the absence of any timely objection,

IT IS ORDERED:

The proposed changes to the conditions of certification for the JEA St. Johns River Power Park described in the June 8, 1994, and January 24, 1995, requests for modification, are APPROVED. The Department hereby approves the requested modifications, and, pursuant to section 403.516(1)(b), F.S., the Department hereby MODIFIES the conditions of certification for the JEA St. Johns River Power Park (SJRPP) as follows:

I.A.11 During start-up and low load operation, Units 1 & 2 may ~~The two auxiliary boilers shall~~ fire No. 2 fuel oil with a maximum sulfur content of 0.76 percent by weight, a maximum ash content of 0.01 percent by weight, an approximate heating value of 19,500 Btu per pound and a maximum viscosity of 3.6 centistokes at 100°F. Samples of all fuel oil fired in the boilers shall be taken and analyzed for sulfur content, ash content, heating value and viscosity. Accordingly, samples shall be taken of each fuel oil shipment received. Records of the analyses shall be kept a minimum of two years to be available for FDEP's ~~FDER's~~ inspection.

~~12. The same quality No. 2 fuel oil, used for the auxiliary boilers, shall be used for the main boilers Units 1 and 2 during start up and low load operation.~~

~~13. Maximum emission from either of the auxiliary boilers shall be limited to 0.8 lb/MMBT for SO<sub>2</sub>, 0.1 lb/MMBTU for P.M., and 20% opacity for visible emissions.~~

~~12,14.~~ Coal fired in Units 1 and 2 shall have an ash content not to exceed 18% and a sulfur content shall be determined and recorded in accordance with 40 CFR 60.47a.

~~13.15.~~ No fraction of flue gas shall be allowed to bypass the FGD system to reheat the gases ~~exiting~~ existing from the FGD system, if the bypass will cause overall SO<sub>2</sub> removal efficiency less than 90 percent or otherwise provided in 40 CFR Part 60, Subpart ~~Dda~~. The percentage and amount of flue gas bypassing the FGD system shall be documented and records kept a minimum of two years available for FDEP'S FDER's inspection.

~~16.~~ ~~JEA shall keep records of the frequency, duration, load and manner of operation of the auxiliary boilers. During normal operation of the plant the boilers shall not operate more than seven (7%) percent of the time on an annual basis without prior approval of the Department. However, prior to commercial operation and during boiler start up, shutdown of the main plant or plant upset, the auxiliary boilers may be operated more frequently.~~

## II. A. Chlorine

The concentration of total residual chlorine discharged from Units 1 & 2 and/or Northside Generating Station shall not exceed 0.1 mg/l at the POD nor 0.01 mg/l beyond an instantaneous mixing zone of 17.0 acres. Neither Free Available Oxidants (FAO) or Total Residual Oxidants (TRO) may be discharged from either cooling tower for more than two hours in one day and not more than one cooling tower may discharge FAO or TRO at the same time. ~~Chlorine resulting from chlorination of either unit at SJRPP shall not be discharged more than two hours per day and no unit shall be chlorinated simultaneously with any other unity at SJRPP or at Northside Generating Station.~~ Levels of free available chlorine shall not exceed 0.5 mg/l for an instantaneous maximum nor 0.2 mg/l on a two hour average from the blowdown of either cooling tower. In the event that 40 CFR, Part 423 is revised with respect to chlorine limitations, such discharge limitations shall apply to cooling tower blowdown. TRO Chlorine shall not be discharged from the SJRPP during periods when TRO chlorine is being discharged from any unit at NGS except if due to cooling tower makeup (from ambient or from chlorination of NGS.)

II.B.1. Chemical Monitoring

The following parameters shall be monitored during discharge as shown.

Commencing with the start of commercial operation of SJRPP and reported monthly to the Department's Northeast District Office:

| <u>Parameter</u>              | <u>Location</u>      | <u>Sample Type</u> | <u>Frequency</u> |
|-------------------------------|----------------------|--------------------|------------------|
| Metals<br>(Total Recoverable) | Intake and Sump Pump | 24 Hour composite  | Monthly          |
| Aluminum                      | "                    | "                  | "                |
| Arsenic**                     | "                    | "                  | "                |
| Chromium**                    | "                    | "                  | "                |
| Copper*                       | "                    | "                  | "                |
| Cyanide**                     | "                    | "                  | "                |
| Iron                          | "                    | "                  | "                |
| Lead**                        | "                    | "                  | "                |
| Mercury                       | "                    | "                  | "                |
| Nickel**                      | "                    | "                  | "                |
| Selenium**                    | "                    | "                  | "                |
| Silver                        | "                    | "                  | "                |
| Zinc**                        | "                    | "                  | "                |

Once per quarter at POD also

\*\* At Intake only

\*\*\* At Sump Pump only

Any party to this Order has a right to seek judicial review of this Order pursuant to Section 120.68, Florida Statutes by the Filing of 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, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, 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 30 days from the date this Order is filed with the clerk of the Department.

DONE AND ORDERED this 17<sup>th</sup> day of May 1995, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

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

[Signature] Clerk      5/18/95 Date

[Signature] for  
Virginia B. Wetherell  
Secretary

3900 Commonwealth Blvd.  
Tallahassee, FL 32399-3000  
(904) 488-4805

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How do I handle  
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(12) Syed as F.Y.I.  
(?) He should then  
send to Kinari to  
update File PA 81-13.  
No further actions necessary.

Certificate of Service

I hereby certify that a copy of the Final Order Modifying Conditions of Certification of the JEA St. Johns River Power Park, Power Plant Site Certification was sent to the following parties by United States mail on May 18<sup>th</sup>, 1995.

Clare Gray, Esquire  
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Hopping Green Sams & Smith  
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Tallahassee, FL 32314

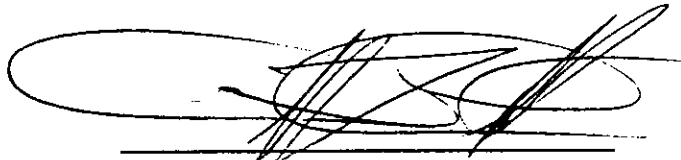
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FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION



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