



Jeb Bush
Governor

Department of Environmental Protection

DEP06-0350

Twin Towers Building
2600 Blirstone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

April 14, 2006

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

Mr. Ed Benken
Environmental Compliance Supervisor
Florida Power and Light Company
St. Lucie Power Plant
6451 South Ocean Drive
Jensen Beach, FL 34957

**RE: Florida Power and Light St. Lucie
Modification to Conditions of Certification
DEP Case Number PA 74-02H
OGC Case Number 06-0289**

ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Mr. Benken:

The Florida Department of Environmental Protection ("Department") gives notice of its intent to modify the Conditions of Certification of the Florida Power and Light (FP&L) St. Lucie power plant.

On February 8 2005, the Department issued the final NPDES permit No. FL0002208-003-IW1S/NR. The Department has prepared a proposed Order modifying the conditions of Certification to incorporate this permit.

On or before February 24, 2006, 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 or before February 24, 2006, 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." That notice specified that pursuant to Section 403.516, Florida Statutes ("F.S."), and Rule 62-17.211, F.A.C., all parties to the certification proceeding have 45 days from the issuance of the notice by mail to such party's last address of record in which 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 in the FAW 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 a Final 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 the Florida Power and Light St. Lucie power plant are hereby modified as follows:

All reference to "Permittee" shall be changed to "Licensee".

I. No Change

II. Effluent Standards and Limitations

Wastewater discharged from the site of Unit 2 shall meet the standards set forth in Chapters 62-4, 62-160, 62-302, 62-601, 62-650 and 62-660, F.A.C., and any subsequent amendments except for variance granted pursuant to Sections 403.201(c) and 403.511(2), and the sections of NPDES permit FL0002208-003-IW1S applicable to Unit 2 and any subsequent modifications, amendments or renewals, to wit:

A. Thermal

1. Discharge

~~At the point of discharge heated water temperature from the multiport diffuser will not exceed 30°F above ambient at any time, except that the maximum discharge temperature shall be limited to 32°F above ambient during condenser and/or circulating water pump maintenance, throttling circulating water pumps to minimize use of chlorine, and/or fouling of circulating water system. This temperature may be measured at a point within the discharge canal. (In determining the temperature differential the time of travel through the plant may be considered.)~~

2. Thermal Mixing Zone

~~The heated water discharged from the multiport diffuser shall not exceed 17°F above ambient outside of a thermal mixing zone of 10.7 acre feet. The mixing zone shall be bounded by an area 1385.5 feet long extending seaward from the most landward discharge port, 21.0 feet to either side of the discharge pipe axis, and 8.0 feet in height above the bottom of the discharge ports.~~

3. Surface

~~The surface temperature of the surrounding receiving water at no time will be raised to more than 97°F nor shall the adjacent coastal waters be raised more than 2°F higher than the ambient temperature during the months of June, July, August and September nor more than 4°F higher than the ambient temperature during the remainder of the year.~~

B. Chemical

Liquid wastes discharges shall not contain concentrations of pollutants in excess of the following limitations:

1. ~~Chlorine (Free Available Chlorine):~~
at condenser _____ 0.2 mg/l average
discharge _____ 0.5 mg/l maximum
2. ~~Oil and Grease:~~ _____ 15 mg/l Daily average from low
volume waste, pre-operational
metal cleaning wastes, and
radwaste discharges
3. ~~Polychlorinated biphenyls or other~~ _____ None
~~polycyclic Halogenated compounds:~~
4. ~~Boron:~~ 4 mg/l (net)
5. ~~TSS:~~ 30 mg/l Daily
average _____ 100 mg/l Daily maximum at the
discharge from the low volume
wastes, metal cleaning wastes,
and radwastes discharge

III. – XVI. No Change

XVII. Radiological

A. No Change

B. Emergency Plan

The applicant shall work with the ~~Division of Disaster Preparedness and the Department of Health and Rehabilitative Services~~ State Division of Emergency Management in the Department of Community Affairs and the State Department of Health, Bureau of Radiation Control in annually updating the emergency procedures and evacuation planning as necessary, including but not limited to improvements in communication and warning systems and in updating predicted plume overlays.

C.-E. No Change

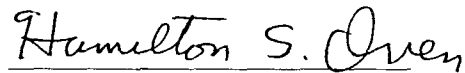
F. Interagency Agreement

The applicant shall comply with the State of Florida Radiological Emergency Plan dated May 1975 or as subsequently revised, and the Radiological Response Agreement between the Florida ~~Division of Health, Department of Health and Rehabilitative Services~~ and the Florida Power and Light

Company dated January 16, 1974, as attached and incorporated herein as Appendix B or as may be subsequently revised.

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.

Executed in Tallahassee, Florida.

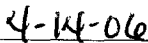


Hamilton S. Oven, P.E.
Administrator, Siting Coordination Office

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



Clerk



Date

April 13, 2006

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