

BEFORE THE GOVERNOR AND CABINET
OF THE STATE OF FLORIDA

SEP 9 1980

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IN THE MATTER OF:

Application for Site Certification of McIntosh Unit No. 3 submitted by the City of Lakeland, and the Orlando Utilities Commission.

DOAH CASE NO. 78-679

STIPULATION OF PARTIES MODIFYING
CERTAIN CONDITIONS OF CERTIFICATION
FOR PREVIOUSLY CERTIFIED CONSTRUCTION
AND OPERATION OF STEAM ELECTRIC GENERATING UNIT

The parties who previously entered appearances in the original site certification proceeding conducted pursuant to Part II of Chapter 403, Florida Statutes, which resulted in the issuance of Certification, hereby stipulate and agree pursuant to Florida Statute 403.516(2) to the following Modification to the Conditions of Certification:

1. Section II, Water Discharges

Subsection A. 1. Cooling Tower Blowdown:

~~There shall be no detectable amounts of materials added for corrosion, including but not limited to zinc and chromium in cooling tower blowdown discharge to the sewer system.~~

The cooling tower blowdown shall be treated in an adequately sized aeration lagoon and biologically filtered via an artificial marsh prior to disposal via a rapid infiltration system. The treatment system shall provide for denitrification sufficient to produce an effluent quality equal to or better than nutrient levels in Lake Parker. Treated blowdown shall be monitored to assure treatment efficacy. Treatment system design shall be submitted to the Department for review and approval prior to construction.

Subsection A. 4. Chemical Wastes and Boiler Blowdown:

All low volume wastes (demineralizer regeneration, cooling tower basin cleaning wastes, floor drainage, sample drains and similar wastes), metal cleaning wastes (including preheater and fireside wash) and boiler blowdown shall be treated as required for pH adjustment and removal of chemical constituents. These wastewaters will be discharged to an adequately sized and constructed spray evaporation basin. will be concentrated via evaporation in an adequately sized evaporator. The remaining brine or salts shall be disposed of either in the fixed FGD sludge or in a specially designed on site landfill. The design of such treatment and disposal facilities shall be submitted to the Department for review and approval.

2. Section IV, Leachate

Subsection A. Compliance:

Leachate from coal storage piles, settling and-spray and treatment ponds, artificial marsh, rapid infiltration beds, secure land fills and flue gas desulfurization sludge ponds (FGD) shall not contaminate waters of the State (including both surface and groundwaters) in excess of the limitations of Chapter 17-3, FAC.

Subsection B. Monitoring:

A monitoring well system shall be used to determine whether or not leachate from the spray-evaporation-pond, treatment ponds, artificial marsh, secure landfill, ash sluice ponds, and the flue gas desulfurization sludge ponds is reaching the groundwater. The-permittee-shall keep-a-monthly-record-of-the-monitoring-results-and shall-notify-the-Central-Subdistrict-Office-of-the Department-and-the-Southwest-Florida-Water-Management District-when-said-measurements-become-abnormal-or excessive. A-quarterly-summary-of-the-results-of monitoring-shall-be-provided-to-the-Central-Subdistrict Manager.

1. Permittee shall collect background samples monthly commencing at least two months prior to construction of the wastewater treatment system sampling the following parameters: specific conductance, chlorides, sulfates, ph, zinc and iron.

2. The permittee shall annually monitor Arsenic, Barium, Cadmium, Lead, Mercury, Nitrates, Gross Alpha, Selenium and Silver beginning with commencement of construction of the wastewater treatment system.

3. The permittee shall monthly monitor specific conductance, chlorides, sulfates, ph, zinc and iron beginning with commencement of operation of the wastewater treatment system.

4. If any of the monitoring parameters listed in paragraph 3 above exceed the average background levels by 35%, the permittee shall commence monthly monitoring of the parameters listed in paragraph 2 above.

5. A quarterly summary of the results of the monitoring shall be provided by permittee to the Southwest District of the Department of Environmental Regulation and to the Southwest Florida Water Management District.

6. The permittee shall keep a monthly record of the monitoring results and shall notify the Department's Southwest District Manager and the Southwest Florida Water Management District when said measurements reach 90% of the levels permitted in the water quality standards of 17-3.101, F.A.C.

3. Section X, Potable Water Supply System:

The potable water supply system shall be designed and operated in conformance with Chapter 17-22, FAC. Information as required in 17-22.05 shall be submitted to the Department prior to construction and operation. The operator of the potable water supply system shall be certified in accordance with Chapter ~~17-23~~, 17-16, FAC.

4. Add New Section XVI, Sanitary Waste Disposal as follows:

Sanitary waste from operating plant facilities shall be disposed of in a septic tank system, as approved by the Health Department, as long as the average daily flow does not exceed 2,000 gallons per day. If the sanitary waste exceeds 2000 gpd, a properly designed treatment system shall be constructed upon receipt of approval by the Department.

WHEREFORE, the parties hereto concur that the Conditions of Certification which are adopted in the Certification Order issued by the Governor and Cabinet on December 7, 1978, should be amended and modified as set forth above.

WITNESS our hands and seals as of the 5th day of September, 1980.

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