

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In Re:)
)
Palm Beach County)
Palm Beach County Resource)
Recovery Facility)
Power Plant Certification)
Modification Request)
No. PA 85-21)
Palm Beach County, Florida)
_____)

FINAL ORDER
MODIFYING CONDITIONS OF CERTIFICATION

The Department of Environmental Regulation after notice and opportunity for hearing modifies the Conditions of Certification for the Palm Beach County Resource Recovery Facility pursuant to the Florida Electrical Power Plant Siting Act Section 403.516(1) Florida Statutes, and Condition XII, Modification of Conditions, which delegates authority to modify conditions to the Department.

1. On November 29, 1989, the Solid Waste Authority of Palm Beach County submitted a petition to the Department requesting modification of the Conditions of Certification and reissuance of the Prevention of Significant Deterioration Permit.

2. On May 2, 1991, the Department released a Preliminary Determination and proposed PSD permit modification for the North County Regional Resource Recovery Facility.

3. On August 2, 1991, Notice of Intent to Issue proposed Modification of Power Plant Certification was published in the Florida Administrative Weekly. Copies of the Notice were served on all parties. No hearing as been requested, therefore the Department adopts the proposed agency action as final.

4. On October 16, 1991, the Department released a revised Preliminary Determination and proposed PSD permit modification for the North County Resource Recovery Facility.

5. After review of the petition and supporting information, the Department grants relief to the Solid Waste Authority of Palm Beach County by making the following amendments to the Conditions of Certification:

XIV.A.1. Emission Limitations upon operation of Units 1 and 2.

a. Stack emissions from each unit shall not exceed the following:

(2) SO₂: ~~0.32--lbs/MBtu-average--heat input--not-to-exceed--0.62-lbs/MBtu-heat input--one-hour-average~~ 70% removal or 30 ppmvd at 7% O₂, whichever is less stringent (24-hour geometric mean). ~~Compliance-with-SO₂-emission-limits-shall be-determined-by-annual-stack-tests--The average-of-three-or-more-stack-tests-runs shall-determine-the-average-value-~~

(3) Nitrogen Oxides: ~~0.32~~ 0.48 lbs/MBtu heat input.

(4) Carbon Monoxide: 400 ppmvd corrected to 7% O₂ (1-hour average); 200 ppm ppmvd corrected to 7% O₂ (24-hour average)

(8) Visible Emissions: ~~opacity--shall be---no--greater--than--15%--except--that visible--emissions-with-no-more--than-20% opacity--may-be-allowed--for-up-to--three consecutive---minutes--in--any--one--hour except-during-start-up-or-upsets-when-the provisions-of-17-2.2507-FAC7-shall-apply-Opacity-compliance-shall-be-demonstrated in-accordance-with-Florida-Administrative Code--Rule-17-2.700(6)(a)9.7-BER-Method-9~~ The opacity from each unit shall not exceed 10%, six minute average. CEM readings shall be excluded from averaging calculations when the process is not operating.

(12) ~~Sulfuric-Acid-Mist:--3.2-E-5-lb/MBtu heat---input-~~ Hydrogen Chloride: 90% removal or 25 ppmvd at 7% O₂,whichever is less stringent (24 hour average).

(13) Dioxins/Furans: Emissions of Total dioxins/furans (Tetra thru Octa-chlorinated dibenzo-p dioxins and dibenzofurans shall not exceed 60 ng/dscm at 7% O₂.

XIV.A.1.c. The maximum boiler heat input shall not exceed 412.5 MBtu per hour. This corresponds to a name plate rating of 324,000 pounds per hour steam capacity.

XIV.A.1.e. Compliance with the limitations for particulates, sulfur oxides, nitrogen oxides, carbon monoxide, fluoride, ~~sulfuric--acid-mist~~ HCL, VOC, mercury, dioxins and furans, and lead shall be determined in accordance with Florida Administrative Code Rule 17-2.700, DER Methods 1, 2, 3, and 40 CFR 60, Appendix A, Methods 5, 6 or 6C, 7, 8, (modified with prefilter), 10, 12, 13A or 13B (or modified Method 5 for fluorides), and 18, 19, 23, 26, and 101A or other methods as approved by the DER. The stack test for each unit shall be performed at +10% of the maximum heat input rate of ~~36070~~ 412.5 x 10⁶ Btu per hour or the maximum charging rate of ~~587333~~ 66,840 pounds of MSW per hour. ---

XIV.A.3. Air Monitoring Program

a. The Permittee shall install and operate continuously monitoring devices for flue gas oxygen, SO₂, NO_x, CO, and opacity. ----

Any party to the this Order has a right to seek judicial review of this Order pursuant to Section 120.67, 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 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 13th day of January, 1992, in Tallahassee, Florida.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

[Signature]
Clerk

1-13-92
Date

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

[Signature]
Carol M. Browner
Secretary

Certificate of Service

I hereby certify that a copy of the Final Order Modifying Conditions of Certification of the Palm Beach County Resource Recovery Facility, Power Plant Site Certification was sent to the following parties by United States mail on January 14, 1992.

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