

Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

May 2, 2001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Gregory M. Nelson, P.E.
Director
Environmental Affairs
Tampa Electric Company
P.O. Box 111
Tampa, Florida 33601-0111

Re: DEP File No. 0570039-009-AC, Modification of Permit No. PSD-FL-040

The applicant, Tampa Electric Company, applied on February 7, 2001, to the Department for a modification to air construction permit number PSD-FL-040 for its Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County. The modification is to Boiler Unit No. 4 to revise the wording of the vanadium content limit of the petroleum coke fired. The Department has reviewed the modification request. The referenced permit is hereby modified as follows:

FROM: Specific Condition 1.A. Fuel fired shall consist of coal or a coal/petroleum coke blend containing a maximum of 20% petroleum coke by weight. The vanadium content in the petroleum coke fired shall not exceed 2,660 ppm vanadium in the ash. The ash content of the petroleum coke fired shall not exceed 0.76% by weight on a dry basis.

TO: Specific Condition 1.A. Fuel fired shall consist of coal or a coal/petroleum coke blend containing a maximum of 20% petroleum coke by weight. The vanadium content in the petroleum coke fired shall not exceed 2,660 ppm vanadium in the ash. The ash content of the petroleum coke fired shall not exceed 0.76% by weight on a dry basis.

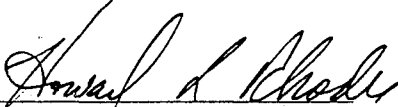
A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, 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 must be filed within thirty days after this order is filed with the clerk of the Department.

"More Protection, Less Process"

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Executed in Tallahassee, Florida.


Howard L. Rhodes, Director
Division of Air Resources Management

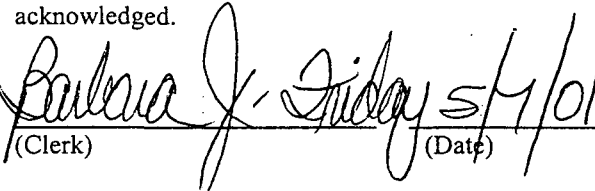
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this permit modification was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 5/7/01 to the person(s) listed:

*Mr. Gregory M. Nelson, TEC
Mr. Shannon K. Todd, TEC
Mr. Jerry Campbell, EPCHC
Mr. Bill Thomas, FDEP
Mr. John Bunyak, NPS
Mr. Gregg Worley, USEPA Region 4

Clerk Stamp

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)

TECHNICAL EVALUATION AND FINAL DETERMINATION

1.0 APPLICATION INFORMATION

1.1 Applicant Name and Address

Tampa Electric Company
P.O. Box 111
Tampa, Florida 33601-0111

Representative:
Mr. Gregory M. Nelson, P.E.
Director
Environmental Affairs

1.2 Reviewing and Process Schedule

02-07-01: Date of receipt of request at FDEP Bureau of Air Regulation
02-07-01: Application deemed complete
03-21-01: Issued intent
03-30-01: Notice Published

2.0 FACILITY INFORMATION

2.1 Facility Location: Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County

2.2 Standard Industrial Classification Code (SIC)

Major Group No.	49	Electric, Gas, and Sanitary Services
Group No.	491	Electric Services
Industry No.	4911	Electric Services

2.3 Existing Facility/Emission Unit Description

This facility is an electric utility. The permit condition is being modified for boiler Unit No. 4. Unit No. 4 is a 4330 MMBTU/hour, dry-bottom tangentially fired utility boiler, SCC 1-01-002-12. The generator nameplate capacity is 486 MW. Unit No. 4 began commercial operation in 1985. Particulate matter emissions generated during the operation of the unit are controlled by a dry electrostatic precipitator (ESP) manufactured by Belco. The control efficiency of the ESP is 99.7%. Sulfur dioxide emissions are controlled by flue gas desulfurization equipment manufactured by Research-Cottrell.

2.3 Regulatory Classification

The facility is classified as a major of Title V source of air pollution because emissions of at least one regulated air pollutant, such as sulfur dioxide, exceed 100 tons per year.

3. PERMITTING STATUS

Unit No. 4 was previously issued a PSD air construction permit modification. Unit No. 4 is included in the current Title V operation permit. A DRAFT permit revision to the Title V permit has also been prepared so that a combined Public Notice may be used for both permitting actions. After issuance of the PSD construction modification, the Proposed Title V operation permit will need to be prepared to include any final modifications to the PSD air construction permit for Unit No. 4.

TECHNICAL EVALUATION AND FINAL DETERMINATION

4. PRESENT APPLICATION AND DEPARTMENT ACTIONS

The requested PSD air permit modification is for Boiler Unit No. 4 in order to revise the vanadium content limit in the petroleum coke ash. Tampa Electric Company believes that by revising the vanadium content limit they will actually be able to acquire lower ash petroleum coke.

The Department has reviewed the modification request. The referenced permit is modified as follows:

FROM: Specific Condition 1.A. Fuel fired shall consist of coal or a coal/petroleum coke blend containing a maximum of 20% petroleum coke by weight. The vanadium content in the petroleum coke fired shall not exceed 2,660 ppm vanadium in the ash. The ash content of the petroleum coke fired shall not exceed 0.76% by weight on a dry basis.

TO: Specific Condition 1.A. Fuel fired shall consist of coal or a coal/petroleum coke blend containing a maximum of 20% petroleum coke by weight. The vanadium content in the petroleum coke fired shall not exceed 2,660 ppm vanadium ~~in the ash~~. The ash content of the petroleum coke fired shall not exceed 0.76% by weight on a dry basis.

5. CONCLUSION

The change agreed to by the Department provides reasonable assurance that there will be no significant increase in the representative actual annual emissions of any regulated pollutant. No public comment was received.