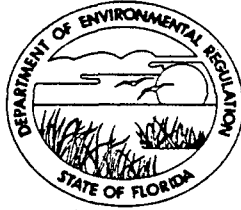


STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

WILLIAM K. HENNESSEY  
DISTRICT MANAGER

March 11, 1982

Mr. Jerry L. Williams  
Manager, Environmental Planning  
Tampa Electric Company  
P.O. Box 111  
Tampa, Fla. 33601

RE: Permit Nos. AO29-47721 through AO29-47731  
and AO29-47735

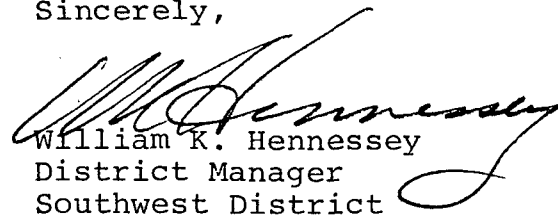
Dear Mr. Williams:

Enclosed are revised provisos for each of the above referenced permits. Per conversation and negotiations between John Ramil of TECO and Dan Williams of DER the problems with the original permits issued January 11, 1982 have been resolved.

Your petition rights for administrative hearing remain the same as described in the original permit.

The revised provisos replace the original provisos and become a part of each permit.

Sincerely,

  
William K. Hennessey  
District Manager  
Southwest District

WKH/rkt

cc: HCEPC

SPECIFIC CONDITIONS

1. Test the emissions for the following pollutant(s) at intervals of 12 months from date of permit and submit a copy of test data to the District Engineer of and submit a copy of test data to the District Engineer of this agency within fifteen days of such testing. [Chapter 17-2.700(2)], F.A.C.]

(X)Particulates	(X)Sulfur Oxides*
( )Fluorides	( )Nitrogen Oxides
(X)Plume Density	( )Hydrocarbons
	( )Total Reduced Sulfur

\*Fuel analysis is acceptable

2. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data [Chapter 403.161(1)(c), Florida Statutes].
3. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.
  - (A) Annual amount of materials and/or fuels utilized.
  - (B) Annual emissions (note calculation basis).
  - (C) Any changes in the information contained in the permit application.
4. Particulate emission limits for this unit is 0.1 lb TSP/MMBTU heat input per F.A.C. 17-2.650(2)(c)2.
5. Visible emissions are limited to a density of number 1 on the Ringelmann Chart (20 percent opacity) except that a shade as dark as No. 2 of the Ringelmann Chart (40% opacity) shall be permissible for no more than 2 minutes in any hour. [F.A.C. 17-2.600(5)(b)1].
6. Sulfur dioxide emissions are limited to 1.1 lbs. of SO<sub>2</sub> per million BTU heat input for this unit.

7. Operation and Maintenance Plan for Particulate Control, F.A.C.  
17-2.650

A. Process Parameters

- |                         |                           |
|-------------------------|---------------------------|
| 1. MMBTU Input:         | 1257 (125 MW)             |
| 2. Fuel:                | Low Sulfur No. 6 Fuel Oil |
| 3. BBL/hr burned:       | 201                       |
| 4. Ash Content:         | As sampled                |
| 5. Steam Temp.:         | 1000 F                    |
| 6. Steam Press:         | 1580 psig                 |
| 7. Steam Flow:          | 950 MPPH                  |
| 8. Air to Fuel Ratio:   | Continuously Monitored    |
| 9. Stack Height:        | 306 Ft.                   |
| 10. Boiler Make:        | Babcock & Wilcox          |
| 11. Firing Arrangement: | Front firing              |

B. Inspection and Maintenance Schedules


1. Planned outages: non peak load periods (Spring or Fall)
2. Continuously Monitored
  - a. Steam Flow
  - b. Steam Temp.
  - c. Steam Pressure
  - d. Excess Air (recorded)
  - e. Fuel oil press and temp.
3. Back calculated
  - a. Fuel oil flow
  - b. Daily samples for fuel oil analysis

C. Records

Records of inspection, maintenance, and performance parameter data shall be retained for a minimum of two years and shall be made available to the Department upon request. [F.A.C. 17-2.650(2)(g)5].

Revised Provisos  
Issued this 11<sup>th</sup> day of March,  
1982

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
William K. Hennessey  
District Manager

EXPIRATION DATE: January 25, 1987

SPECIFIC CONDITIONS

1. Test the emissions for the following pollutant(s) at intervals of 12 months from date of permit and submit a copy of test data to the District Engineer of and submit a copy of test data to the District Engineer of this agency within fifteen days of such testing. [Chapter 17-2.700(2)], F.A.C.]

(X) Particulates	(X) Sulfur Oxides*
( ) Fluorides	( ) Nitrogen Oxides
(X) Plume Density	( ) Hydrocarbons
	( ) Total Reduced Sulfur

\*Fuel analysis is acceptable

2. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data [Chapter 403.161(1)(c), Florida Statutes].
3. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.
  - (A) Annual amount of materials and/or fuels utilized.
  - (B) Annual emissions (note calculation basis).
  - (C) Any changes in the information contained in the permit application.
4. Particulate emission limits for this unit is 0.1 lb TSP/MMBTU/hr heat input per F.A.C. 17-4.650(2)(c)2.
5. Visible emissions are limited to a density of number 1 on the Ringelmann Chart (20 percent opacity) except that a shade as dark as No. 2 of the Ringelmann Chart (40% opacity) shall be permissible for no more than 2 minutes of any one hour. [F.A.C. 17-2.600(5)(a)1].
6. Sulfur dioxide emissions are limited to 1.1 lbs. of SO<sub>2</sub> per million BTU heat input for this unit.

Applicant: Tampa Electric Company  
Page 3 of 4 of Permit No. A029-47731

7. Operation and Maintenance Plan for Particulate Control, F.A.C.  
17-2.650

A. Process Parameters

- |                         |                           |
|-------------------------|---------------------------|
| 1. MMBTU Input:         | 1257 (125 MW)             |
| 2. Fuel:                | Low Sulfur No. 6 Fuel Oil |
| 3. BBL/hr burned:       | 201                       |
| 4. Ash Content:         | As sampled                |
| 5. Steam Temp.:         | 1000 F                    |
| 6. Steam Press:         | 1580 psig                 |
| 7. Steam Flow:          | 950 MPPH                  |
| 8. Air to Fuel Ratio:   | Continuously Monitored    |
| 9. Stack Height:        | 306 Ft.                   |
| 10. Boiler Make:        | Babcock & Wilcox          |
| 11. Firing Arrangement: | Front firing              |

B. Inspection and Maintenance Schedules


1. Planned outages: non peak load periods (Spring or Fall)
2. Continuously Monitored
  - a. Steam Flow
  - b. Steam Temp.
  - c. Steam Pressure
  - d. Excess Air (recorded)
  - e. Fuel oil press and temp.
3. Back calculated
  - a. Fuel oil flow
  - b. Daily samples for fuel oil analysis

C. Records

Records of inspection, maintenance, and performance parameter data shall be retained for a minimum of two years and shall be made available to the Department upon request. [F.A.C. 17-2.650(2)(g)5].

Issued this 27<sup>th</sup> day of January,  
1982

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
William K. Hennessey  
District Manager

EXPIRATION DATE: January 25, 1987