

This permit expires on 11-30-74

RECEIVED

JUN 10 1972

STATE OF FLORIDA  
DEPARTMENT OF AIR AND WATER  
POLLUTION CONTROL

RECEIVED

OCT 28 1996

BUREAU OF  
AIR REGULATION

OPERATION PERMIT

FOR Florida Power Corporation  
P. O. Box 14042  
St. Petersburg, Florida

PERMIT NO. AO-9-377 DATE 5-11-72

PURSUANT TO THE PROVISIONS OF SECTION 403.061 (15) OF CHAPTER 403 FLORIDA STATUTES AND CHAPTER 17A FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:  
Mr. G. W. Marshall, Production Superintendent

FOR THE OPERATION OF THE FOLLOWING:

Fossil Fuel Steam Generator, Unit #2 w/Buell Engineering  
Co., Inc. Electro Static Precipitator, ~~unit~~

LOCATED AT: Crystal River Plant, Red Level, Citrus County  
17-334.4 - 3204.5

IN ACCORDANCE WITH THE APPLICATION DATED September 1971

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN,  
ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL REVOKED OR SURRENDERED\* AND SHALL BE SUBJECT TO ALL LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT. \*or 11-30-74, whichever is earlier.

E. Linne  
E. Linne, Acting Chief

XXXXXXXXXXXXXXXXXXXX

BUREAU OF PERMITTING

FORM 1-1

Vincent D. Patton  
VINCENT D. PATTON

EXECUTIVE DIRECTOR

RECEIVED

ADMIN

INVESTIGATION

FILE

Actual  
Paint. 1708.9152/4 -

Allowable



DEPARTMENT OF POLLUTION CONTROL

SUITE 300, TALLAHASSEE BANK BUILDING

315 SOUTH CALHOUN STREET, TALLAHASSEE, FLORIDA 32301

PAYTON  
DIRECTOR

DAVID H. LEVIN  
CHAIRMAN

OPERATION PERMIT CONDITIONS  
FOR FOSSIL FUEL STEAM GENERATORS

PERMIT NUMBER: AO-9-377

DATE: 5-11-72

1. Report any problems encountered in the operation of the Fossil Fuel Steam Generator to the DPC regional office and cease operation forthwith if such problems result in the discharge of stack effluents whose quality does not conform to the provisions of Chapter 17-2 Florida Administrative Code.
2. The owner shall perform the prescribed tests on the emissions from the Fossil Fuel Steam Generator as and when required by this agency.
3. This permit is issued on the basis of the existing requirements of this agency as set forth in Chapters 17-2 (revised January 18, 1972), Florida Administrative Code.

The revised Chapter 17-2 requires the following for Fossil Fuel Steam Generators:

- A. Greater than 250 million BTU/hr. heat input  
i.) The emission-limiting standards:  
Pounds pollutant/million BTU Heat Input,  
Max. 2 hr. Average

	Particulate		Sulfur Dioxide		Nitrogen Oxides		
	Liquid Fuel	Solid Fuel	Liquid Fuel	Solid Fuel	Gaseous Fuel	Liquid Fuel	Solid Fuel
Existing	0.1	0.1	0.8	1.2	0.2	0.3	0.7
	0.1	0.1	1.1	1.5	0.2	0.3	0.7

To be obtained as expeditiously as possible, but no later than July 1, 1975. [Chapter 17-2.04(6)(e) 1 & 2]

- ii.) Visible emissions (new and existing) shall not exceed Ringelmann Number One (20 per cent opacity), except for two minutes in any hour during which emissions shall not exceed Ringelmann Number Two (40 per cent opacity), effective January 18, 1972. [Chapter 17-2.04 (6)(e) 1b & 2b]
- B. Less than 250 million BTU/hr. heat input  
i.) The emission-limiting standards for particulate, sulfur dioxide and nitrogen oxides shall be those obtained by the latest technology as determined by this department [Chapter 17-2.03(1) & 17-2.04(6)(e) 3b]
- ii.) Visible emissions same as (3)(A) ii above [Chapter 17-2.04 (6)(e) 3a]
- 4.\* Identify the Fossil Fuel Steam Generator and/or control equipment by its manufacturer, Model Number, Serial Number, Capacity (Maximum BTU heat input) and any other information.
- 5.\* Identify the location of the Fossil Fuel Steam Generator either by the Universal Transverse Mercator (UTM) Grid System to the nearest 100 meters or by latitude and longitude. Attach four copies of the appropriate USGS map with the exact location marked in red.

OVER

Con't.

OPERATION PERMIT CONDITIONS  
FOR FOSSIL FUEL STEAM GENERATORS

On a semi-annual basis commencing with the end of the first full semi-annual period after the issuance of a permit, submit through the Regional Office a progress report on the status of complying with Chapter 17-2 Florida Administrative Code and other information including:

- 1) Test results, if scheduled to be taken during reporting period.
- 2) Amounts and types of fuels utilized during reporting period.
- 3) Malfunctions in control equipment during reporting period.

OPERATION PERMIT CONDITIONS  
FOR FOSSIL FUEL STEAM GENERATORS

- (X) 6. This permit is not transferable. Upon the sale or legal transfer of the Fossil Fuel Steam Generator covered by this permit, the new owner must apply by letter for a transfer of this permit within thirty days.

Reply to:

Department of Pollution Control  
Central Regional Office

17 North Highland Avenue  
Tampa, Florida 32803  
Phone: 305/425-4577

- \* Submit the information required by these items within thirty (30) days from the date of this permit.