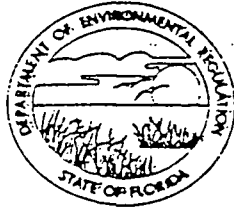


STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

A029-252615

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

RECEIVED
JUN 15 1994

If major alterations have occurred, the applicant should complete Permit Application Form.

Department of Environmental Protection
SOUTHWEST DISTRICT
BY

Source Type: Air Operations Renewal of DER Permit No. A029-160272
Company Name: Tampa Electric Company County: Hillsborough

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

F.J. Gannon Combustion Turbine

Source Location: Street: Port Sutton Road City: Tampa

UTM: East 360,000 North 3,087,500

Latitude: 27° 54' 25" N. Longitude: 82° 25' 22" W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05. Not applicable
2. Have there been any alterations to the plant since last permitted? [] Yes [X] No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously. Submitted 2/25/94
4. Have previous permit conditions been adhered to? [X] Yes [] No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [] Yes [] No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach. Not Applicable
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [] Yes [] No Not Applicable
7. Has the annual operating report for the last calendar year been submitted? [X] Yes [] No If no, please attach. Submitted 2/28/94

1. Please provide the following information if applicable: Not applicable

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%wt	Rate	lbs/hr

B. Product Weight (lbs/hr): Not Applicable

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
No. 2 Fuel Oil	26.9 ⁺	44.88	256.5

D. Normal Equipment Operating Time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ;
 hrs/yr (power plants only) 8760 ; if seasonal, describe _____

⁺Avg consumption based upon 1992 & 1993 emissions inventories.

The undersigned owner or authorized representative*** of Tampa Electric Company is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

*During actual time of operation.

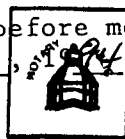
**Units: Natural Gas-MMCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.

***Attach letter of authorization if not previously submitted

Patrick A. Ho
 Signature, Owner or Authorized Representative
 (Notarization is mandatory)
Patrick Ho, Manager - Environmental Planning
 Typed Name and Title
P.O. Box 111
 Address
Tampa City FL State 33601 Zip
6/15/94 Date (813) 228-4844 Telephone No.

STATE OF FLORIDA
 COUNTY OF HILLSBOROUGH

Sworn to and subscribed before me this 15
 day of June, 1994

 **DIANA R. HOFER**
 Notary Public, State of Florida
 My comm. expires Jan. 4, 1999
 No. CC 339520

Personally Known
Diana R. Hofer
 Notary Public
 Commission Expires:

F.J. GANNON STATION - COMBUSTION TURBINE

Operation and Maintenance Plan

The combustion turbine uses number 2 fuel oil and is typically used during peak demand or emergency situations. The unit may be started at the plant or remotely from the generation control center.

The combustion turbine is very important to the overall reliability of the electrical system. Because of its importance, a thorough preventative maintenance plan is followed to assure service when needed from the combustion turbine. The preventative maintenance plan requires that a mechanic complete a PM checklist at least quarterly for the following CT systems:

- Diesel starting motor
- Cooling water system
- Accessory gear compartment
- Gas turbine
- Reduction gear compartment
- Generator tail end compartment
- Air cooling inlet compartment
- Fuel forwarding house
- Gas turbine control cabinet
- Gas turbine roof

Semi-annual preventative maintenance activities are conducted specifically on the electrical systems and the diesel starting engine. If any problems are detected in the CT equipment, the problem is either fixed immediately or a maintenance job request is initiated.

Each time the combustion turbine is started an operator inspects the unit for oil and fuel leaks and checks the cooling water level. The operator also checks the exhaust stack for excess emissions. Fuel flow is measured by a flow integrator and reported in the yearly emissions inventory. The combustion turbine has alarms on all of the critical operating components to alert plant operators of any major problems during operation. CT operating parameters are recorded once/month during months the equipment is on-line.

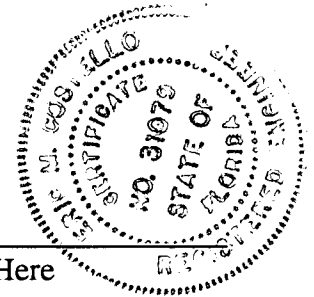
Professional Engineer in Florida (as required by Subsection 17-4.05(3), F.A.C.)

There is reasonable assurance, in my professional judgement, that this air source*, when properly maintained and operated, will discharge an opacity that complies with all applicable statutes of the State of Florida and the rules and the regulations of the department.

Signed: Eric M. Costello

Date: 6/15/94 Telephone No.: 813/228-4111

Eric M. Costello
Name (Please type)



Affix Seal Here

Tampa Electric Company
Company Name (Please type)

P.O. Box 111, Tampa, Florida 33601
Mailing Address (Please type)

Florida Registration No.: 31079

* Air Operations Source - F.J. Gannon Combustion Turbine Permit Renewal



TO WHOM IT MAY CONCERN:

Please be advised that Patrick A. Ho, Manager, Environmental Planning, is the authorized representative of Tampa Electric Company concerning matters with which this permit application deals.

Very Truly Yours,

A handwritten signature in cursive script that reads "W N Cantrell".

William N. Cantrell
Vice President
Energy Resources Planning

sn/GG399