

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

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

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

Source Type: Air Operations Renewal of DER Permit No. A029163823

Company Name: Tampa Electric Company County: Hillsborough

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

F.J. Gannon Units 1-6 Coal Bunker Roto-Clones

Source Location: Street: Port Sutton Road City: Tampa

UTM: East 17-360.1 North 3,687.5

Latitude: 2 7° 5 4' 2 5"N. Longitude: 8 2° 2 5' 2 1"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.
2. Have there been any alterations to the plant since last permitted? Yes 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. Roto-clones 3 and 4 submitted on 4/5/94.
4. Have previous permit conditions been adhered to? 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.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? Yes No
7. Has the annual operating report for the last calendar year been submitted? Yes No If no, please attach. Submitted 3/28/94.

* Roto-clone 5 is currently out of service for repairs which are scheduled to be completed by first quarter 1995. As this roto-clone has not been operating, no emissions have been vented.

DER Form 17-1.202(4)
Effective November 30, 1982

1. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization Ton XXXe/hr
	Type	Wt	
Coal transfer to bunkers	PM	100	1600

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

C. Fuels Not Applicable

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	

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

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 FL 33601
City State Zip
9/29/99 (813) 228-4844
Date Telephone No.

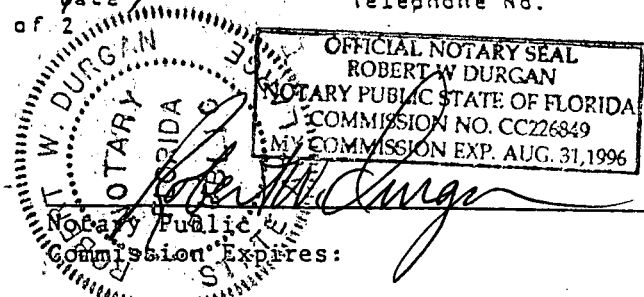
ER Form 17-1.202(4)
Effective November 30, 1982

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STATE OF FLORIDA
COUNTY OF HILLSBOROUGH

Sworn to and subscribed before me this 29
day of April, 1999.

Personally known to me



F. J. GANNON STATION
UNITS 1 - 6 ROTO-CLONES

Operation and Maintenance Plan

INTRODUCTION

Gannon Station Units 1 - 6 coal bunkers are equipped with roto-clones to control and ventilate dust emissions during bunkering activities. Coal is transferred from outdoor storage piles via two conveyor belts to the plant tripper room. A number of vent pipes convey air from each bunker to a roto-clone for particulate matter removal during coal transfer operations. Particulate matter collected by the roto-clones is returned to the coal bunkers.

PARTICULATE CONTROL EQUIPMENT DATA

Units 1 - 6 coal bunkers are equipped with American Air Filter (AAF) Company Type D roto-clones to provide safe ventilation of the coal bunkers and to control particulate emissions during coal transfer operations. The roto-clones are integral exhaust fan/cyclone collectors otherwise referred to as mechanical, centrifugal separators. The removal efficiency of the Type D Roto-Clone in controlling Particulate Matter emission from coal bunker ventilation is estimated by AAF to be in the range of 70% - 80%.

Important design information and data applicable to the particulate control system are listed below:

Manufacturer	American Air Filter Company
Model name and number	Roto-Clone Dynamic Precipitator Type D
Design flow rate (ACFM)	9,600 for Units 1-4 and 6 5,400 for Unit 5
Removal efficiency	75%
Control emission rate	0.19 pounds per hour and 0.04 tons per year

PREVENTATIVE MAINTENANCE

Repairs are made as needed during these PM's or as non-routine work orders are issued. The roto-clones are set up for an inspection as follows:

- | | |
|---------------------|-----------|
| • Motor Inspection | Quarterly |
| • Piping Inspection | Annually |
| • Fan Inspection | Annually |

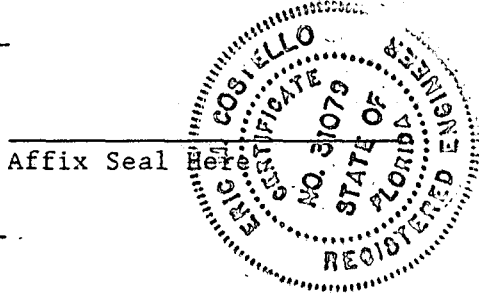
Professional Engineer in Florida (as required by Subsection 17-4.05(3), F.A.C.)

There is reasonable assurance, in my professional judgement, that the pollution control facilities*, when properly maintained and operated, will discharge an effluent 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: 4/28/94 Telephone No.: 813/228-4111

Eric M. Costello
Name (Please type)



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 Units 1 - 6 Coal Bunker Roto-Clones.



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,

William N. Cantrell
Vice President
Energy Resources Planning

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