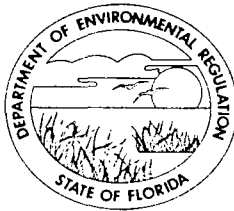


DEPARTMENT OF ENVIRONMENTAL REGULATION



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

RICHARD D. GARRITY, PH.D.  
DISTRICT MANAGER

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610-9544

Mr. John B. Ramil, Manager  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601

Dear Mr. Ramil:

Re: Hillsborough County - AP  
Gannon Station - Units 5 & 6 Fly Ash Silo

Enclosed is Permit Number A029-80046 dated 06/28/84, to operate the subject pollution source, issued pursuant to Section 403.061(14), Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Florida Administrative Code Rule 28-5.201, (copy enclosed). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the department may periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

A handwritten signature in cursive script, appearing to read "Richard D. Garrity".

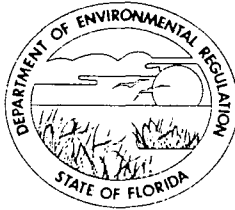
Richard D. Garrity, Ph.D.  
District Manager

JWE/scm  
Enclosures  
cc: HCEPC

DER Form 17-1.201(7)

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION



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7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610-9544

PERMITTEE:

Mr. John B. Ramil, Manager  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601

PERMIT/CERTIFICATION

Permit No.: A029-80046  
County: Hillsborough  
Expiration Date: 5/30/89  
Project: Gannon Station -  
Units 5 & 6 Fly Ash Silo

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the operation of Gannon Units 5 & 6 Fly Ash Handling System. Fly ash that is collected in the hoppers of the electrostatic precipitators of Units 5 & 6 is pneumatically conveyed to a 25 ft. diameter, 50 ft. high silo. Particulate emissions are controlled by a United States Filter Corporation Mikro-Pulsaire Unit #1F3-24 Baghouse.

Location: Port Sutton Road, Tampa

UTM: 17-360.1E 3087.5N NEDS NO: 0040 Point ID: 10

Replaces Permit No.: N/A

PERMITTEE:  
Tampa Electric Company

Permit/Certification No.: A029-80046  
Project: Gannon Station - Units 5 & 6  
Fly Ash Silo

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate the enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.712(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by any order from the department.

PERMITTEE:  
Tampa Electric Company

Permit/Certification Number: A029-80046  
Project: Gannon Station - Units 5 & 6  
Fly Ash Silo

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as maybe required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes of;

a. Having access to and copying any records that must be kept under the conditions of the permit:

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

(a) a description of and cause of non-compliance; and

(b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

PERMITTEE:  
Tampa Electric Company

Permit/Certification No: A029-80046  
Project: Gannon Station - Units 5 & 6  
Fly Ash Silo

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Tampa Electric Company

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b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Test the baghouse for visible emissions at intervals of twelve months from the date of November 15, 1983 or within a sixty (60) day period prior to this date. The compliance test shall be conducted using EPA Method #9 (opacity). The Method #9 test interval on this source shall be thirty (30) minutes. Two copies of the test data shall be submitted to the Air Section of the Hillsborough County Environmental Protection Commission within 45 days of testing.

2. Pursuant to Subsection 17-2.650(2)(c)11.b., F.A.C. the maximum allowable emissions for this baghouse based on a design flow of 11,300 ACFM shall not exceed:

<u>Pollutant</u>	<u>lbs/hr.</u>	<u>tons/yr.</u>	<u>Emission Limitation</u>
Particulate Matter*	2.9	12.7	0.03 grains/dscf
Visible Emissions			None (visible emissions less than or equal to 5% opacity)

\*Exempt from compliance testing provided the opacity standard is maintained.

3. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days prior to compliance testing.

PERMITTEE:  
Tampa Electric Company

Permit/Certification No.: A029-80046  
Project: Gannon Station - Units 5 & 6 Fly  
Ash Silo

4. All compliance tests will be conducted under the following conditions:

- A) Conveyance blower will be turned off at least 1 hour prior to the test to allow for an adequate build up of fly ash in the precipitator hoppers.
- B) All conveyance hoppers will be operational during the test.
- C) All fly ash will be directed to the silo, no reinjection of fly ash to the boiler system will occur during the test.
- D) Both boilers shall be operated during the test.

5. All compliance tests shall be conducted while loading the silo at approximately the maximum feed rate. Failure to submit the input rate or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).

6. 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 Section 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.

This report shall be submitted in duplicate to the Hillsborough County Environmental Protection Commission.

7. Operation and Maintenance Plan For Particulate Control (Section 17-2.650(2), F.A.C.)

A. Process Parameters:

- (1) Source Designator: Units 5 & 6 Fly Ash Silo
- (2) Baghouse Manufacturer: United States Filter Corporation
- (3) Model Name and Number: Mikro-Pulsaire Unit #1F3-24
- (4) Design Flow Rate: 11,300 ACFM
- (5) Efficiency Rating at Design Capacity: 99.9%
- (6) Pressure Drop: 5 in. water (maximum)
- (7) Air to Cloth Ratio: 5:1
- (8) Bag Material: Polyester HCE
- (9) Filter Cleaning Method: Pulse Jet @100 psig
- (10) Gas flow rate: 11,300 ACFM
- (11) Gas temperatures inlet and outlet: 300°F
- (12) Stack Height above ground: 104 Ft.
- (13) Exit Diameter: 18 in. X 26 in.
- (14) Exit Velocity: 58 fps
- (15) Process controlled by collection system: material handling - fly ash
- (16) Material Handling Rate: Calculated to be 13.05 tons fly ash per hour.
- (17) Operating Schedule: 24 hrs/day; 7 days/wk; 52 wks/yr.

PERMITTEE:  
Tampa Electric Company

Permit/Certification No.: A029-80046  
Project: Gannon Station - Units 5 & 6  
Fly Ash Silo

SPECIFIC CONDITIONS (con't):

B. The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

Daily Checks

- (1) Baghouse pressure drop - inspect manometer at each change in shift (3 times daily). Log information. Change filter bag if necessary.
- (2) Visually inspect baghouse for abnormal emissions. Change filter bags and document as necessary.
- (3) Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning, etc.)
- (4) Observe indicators on control panel for abnormal operation conditions.
- (5) Unplug hopper if necessary.

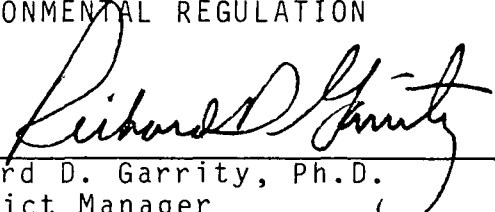
C. Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or Hillsborough County Environmental Protection Commission upon request (Subsection 17-2.650(2)(g)5., F.A.C.)

8. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision of Section 17-2.610(3), F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling.

Issued this 28 day of June,  
1987.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
Richard D. Garrity, Ph.D.  
District Manager