

## Appendix H-1, Permit History/ID Number Changes

Tampa Electric Company  
Hooker's Point

[DRAFT/PROPOSED/FINAL] Permit No.: 0570038-001-AV  
Facility ID No.: 0570038

---

### Permit History (for tracking purposes):

E.U.

<u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date</u>	<u>Revised Date(s)</u>
-001	Oil-Fired Boiler #1	AO29-203001	12/19/91	12/01/96		
-002	Oil-Fired Boiler #2	AO29-203000	12/19/91	12/01/96		
-003	Oil-Fired Boiler #3	AO29-202999	12/19/91	12/01/96		
-004	Oil-Fired Boiler #4	AO29-202998	12/19/91	12/01/96		
-005	Oil-Fired Boiler #6	AO29-202997	12/19/91	12/01/96		
-006	Oil-Fired Boiler #6	AO29-203002	12/19/91	12/01/96		

General Correspondence  
& engineer papers

Note: Since these units have been in service for over 30 years, no AC permits were issued.

---

### (if applicable) ID Number Changes (for tracking purposes):

From: Facility ID No.: 40HIL290038

To: Facility ID No.: 0570038

---

#### Notes:

- 1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.
  - 2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.
- {Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits



*Certified* *File*

# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

November 7, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. John T. Duff  
General Manager  
Tampa Electric Company  
P.O. Box 111  
Tampa, Florida 33601-0111

Re: Request for Additional Information Regarding Initial Title V Permit Application  
File No. 0570038-001-AV  
Hookers Point Station, Hillsborough County

Dear Mr. Duff:

Your initial Title V permit application for the Hookers Point Station was "timely and complete" for purposes of the initial Title V application submission (see Rule 62-213.420(1)(a)1. and (b)2., F.A.C.). However, in order to continue processing your application, the Department will need the following additional information pursuant to Rule 62-213.420(1)(b)3., F.A.C., and Rule 62-4.070(1), F.A.C.

1. In the introduction to your application you indicate that No. 2 fuel oil is used for ignition during startup for steam boiler Unit Nos. 1, 4, and 5 and that propane is used for startup in steam boiler Unit No. 6 (copy of page i enclosed). The ELSA (ELectronic Submission of Application) indicates that No. 2 fuel oil is used for ignition during startup for all steam boilers (Unit Nos. 1 through 6) and propane is also used for startup in Unit No. 6.
  - a. Please explain what startup fuels are used in each boiler.
  - b. Please submit completed Segment (Process/Fuel) Information pages for these fuels as required by page 25 of the application form (enclosed), DEP Form No. 62-210.900(1) {see pages 36 through 39 of the Instructions for the form}.
  - c. These fuels should be identified as "Alternative Methods of Operation" on page 35 of the application form (enclosed) {see page 52 of the Instructions for the form}.
  - d. It appears there may be a typographical error in the Segment (Process/Fuel) Information page of the ELSA for Unit No. 4 (copy enclosed). You indicate in the Segment Description, Field 1. - "Residual (No. 6) fuel oil burned in Unit No. 3." Please correct and resubmit this page.
2. Start up fuels are not addressed in the current air operation permits. For each boiler, how long have these fuels been used for startup?

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Mr. John T. Duff  
General Manager  
Tampa Electric Company  
Post Office Box 111  
Tampa, Florida 33601-0111

4a. Article Number  
**Z 392 940 868**

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
**NOV 13 1996**

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

**Z 392 940 868**



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <b>John T. Duff Tampa Electric Co.</b>	
Street and No. <b>P.O. Box 111</b>	
P.O., State and ZIP Code <b>Tampa, FL 33601-0111</b>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

## INTRODUCTION

The Tampa Electric Company (TEC) Hookers Point Station located in Tampa, Hillsborough County, Florida is a nominal 227 megawatt (MW) electric generation facility. The Hookers Point Station consists of six steam boilers (Unit Nos. 1 through 6), five steam turbine-generators, a once-through cooling water system, fuel oil storage tanks, and ancillary support equipment. Steam produced by Unit Nos. 1 through 5 is ducted to a common steam header which feeds four steam turbine-generators. Steam produced by Unit No. 6 is routed to a steam turbine-generator dedicated to Unit No. 6.

Unit Nos. 1 and 2 each have a nominal maximum heat input of 298 million British thermal units per hour (MMBtu/hr). Unit Nos. 3 and 4 each have a nominal maximum heat input of 411 MMBtu/hr. Unit Nos. 5 and 6 have nominal maximum heat inputs of 610 and 778 MMBtu/hr, respectively. Units Nos. 1 through 6 are all fired with No. 6 fuel oil. Unit Nos. 1, 4, and 5 utilize No. 2 fuel oil for ignition during startups. Propane is used for ignition during startups for Unit No. 6.

Operation of the Hookers Point Station is currently authorized by Florida Department of Environmental Protection (FDEP) Operation Permits AO29-203001 (Unit No. 1), AO29-203000 (Unit No. 2), AO29-202999 (Unit No. 3), AO29-202998 (Unit No. 4), AO29-202997 (Unit No. 5), and AO29-203002 (Unit No. 6). Each of these permits was issued on December 19, 1991 and have an expiration date of December 1, 1996.

The TEC Hookers Point Station qualifies as a Title V Source pursuant to Chapter 62-210.200(173), Florida Administrative Code (F.A.C.), because potential emissions of a regulated air pollutant exceed 100 tons per year. This application package, prepared using Electronic Submission of Application (ELSA) Version 1.2.1, constitutes TEC's Title V permit application for the Hookers Point Station and is submitted to satisfy the requirements of Chapter 62-213.400, F.A.C.

**F. SEGMENT (PROCESS/FUEL) INFORMATION**  
**(Regulated and Unregulated Emissions Units)**

**Segment Description and Rate:** Segment \_\_\_\_\_ of \_\_\_\_\_

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

**Additional Supplemental Requirements for Category I Applications Only**

10. Alternative Methods of Operation [ ] Attached, Document ID: _____ [ ] Not Applicable
11. Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID: _____ [ ] Not Applicable
12. Identification of Additional Applicable Requirements [ ] Attached, Document ID: _____ [ ] Not Applicable
13. Compliance Assurance Monitoring Plan [ ] Attached, Document ID: _____ [ ] Not Applicable
14. Acid Rain Application (Hard-copy Required)  [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____  [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____  [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____  [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____  [ ] Not Applicable

## D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 4

Unit No. 4; Residual Fuel Oil-Fired Steam Generator

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Residual (No. 6) fuel oil burned in Unit No. 3.	
2. Source Classification Code (SCC) : 1-01-004-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 2.70	Hourly Rate Limit :
5. Maximum Annual Rate : 23,654.00	Annual Rate Limit :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 1.00	Percent Sulfur Limit :
8. Maximum Percent Ash : 0.10	
9. Million Btu per SCC Unit : 152	
10. Segment Comment :  No. 2 fuel oil used for ignition during start-up.  Btu per SCC unit value (Field 9) based on average fuel heat content of 152,210 Btu/gal.  No. 6 fuel oil may be supplemented with used oil and up to 50 gallons per minute of non-hazardous boiler chemical cleaning waste.	

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official:	
2. Owner/Authorized Representative or Responsible Official Mailing Address:  Organization/Firm: Street Address: City: State: Zip Code:	
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (    )    -    Fax: (    )    -	
4. Owner/Authorized Representative or Responsible Official Statement:  <i>I, the undersigned, am the owner or authorized representative* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  _____ Signature  _____ Date	

\* Attach letter of authorization if not currently on file.



4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ ] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

(seal)

\* Attach any exception to certification statement.

COMMISSION

DOTTIE BERGER  
PHYLLIS BUSANSKY  
JOE CHILLURA  
CHRIS HART  
JIM NORMAN  
ED TURANCHIK  
SANDRA WILSON

EXECUTIVE DIRECTOR

ROGER P. STEWART



ADMINISTRATIVE OFFICES, LEGAL &  
WATER MANAGEMENT DIVISION  
1900 - 9TH AVENUE  
TAMPA, FLORIDA 33605  
TELEPHONE (813) 272-5960  
FAX (813) 272-6167

AIR MANAGEMENT DIVISION  
TELEPHONE (813) 272-6630

WASTE MANAGEMENT DIVISION  
TELEPHONE (813) 272-5788

ECOSYSTEMS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7104

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

FAX TRANSMITTAL SHEETDATE: 9/10/96TO: John BrownFAX PHONE: (904) 922-6979 VOICE PHONE: TOTAL NUMBER OF PAGES INCLUDING THIS COVER PAGE: 3

EPC FAX TRANSMISSION LINE: (813) 272-5605

FOR RETRANSMISSION OR ANY FAX PROBLEMS, CALL: (813) 272-5530

FROM: Rick Kirby

(CIRCLE APPLICABLE SECTION BELOW)

## AIR DIVISION

-ENFORCEMENT

-ENGINEERING

-SUPPORT OPERATIONS

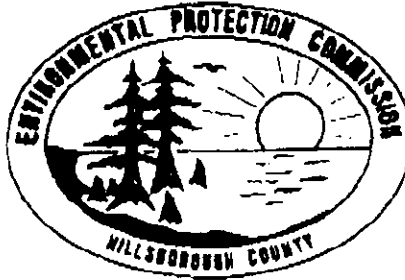
SPECIAL INSTRUCTIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**COMMISSION**

DOTIE BERGER  
 PHYLLIS BUSANSKY  
 JOE CHILLURA  
 CHRIS HART  
 JIM NORMAN  
 ED TURANCHIK  
 SANDRA WILSON

**EXECUTIVE DIRECTOR**

ROGER P. STEWART



ADMINISTRATIVE OFFICES, LEGAL &  
 WATER MANAGEMENT DIVISION  
 1800 - 9TH AVENUE  
 TAMPA, FLORIDA 33606  
 TELEPHONE (813) 272-6960  
 FAX (813) 272-5157

AIR MANAGEMENT DIVISION  
 TELEPHONE (813) 272-5530

WASTE MANAGEMENT DIVISION  
 TELEPHONE (813) 272-5788

WETLANDS MANAGEMENT DIVISION  
 TELEPHONE (813) 272-7104

**M E M O R A N D U M**

**DATE:** September 10, 1996

**TO:** John Brown

**FROM:** Rick Kirby

**THRU:** Jerry Campbell  
 Iwan Choronenko

**SUBJECT:** Title V Review of TECO Facilities in Hillsborough County

The EPC has received copies of Tampa Electric Company Title V applications. The packages were received August 14 and 21, 1996 with a request that comments be provided by September 9, 1996. The actual application and some supporting documentation were provided on computer disk.

I have begun my initial review of the Big Bend facility and have already turned up several issues which should be addressed. Some of these are as follows:

1. The State sulfur dioxide standards for the Big Bend and Gannon stations do not appear to meet any of the criteria for practical enforceability. Rules 62-296.405(1)(c)2.a. and b., F.A.C. are truly not comprehensible to anyone other than a doctorate of mathematics or statistics. While we are not suggesting the standard be tightened through the Title V process, we are stating that it should be simplified so it is meaningful. TECO now has CEMs in the stacks and we should look to establishing them as the reference method with a practically enforceable standard that will pass the EPA muster. We do not see how they can provide reasonable assurance that these standards are being met or that these limits protect the ambient air quality standards. You recall we have experienced a number of sulfur dioxide violations downwind of the Gannon Station and these have not been resolved. The EPC feels very strongly about this particular issue.
2. It appears that many sources have been grouped into one emissions unit, when they may not meet the State definition of similar sources. These include fuel and other material handling.

John Brown  
September 10, 1996  
Page 2

3. Many of these units have been presented as being fugitive emissions sources when they do not meet that definition.
4. There are fuels and chemicals listed for use in boilers which have no previous permitting approval. These include used oil and non-hazardous cleaning chemicals.
5. Some emission units are not listed. EPC had previously agreed to defer permitting of a marine vessel repair and painting operation to be included in the Title V process. It was not found in this package.

Based on the above issues, I feel it is necessary to have EPC permitting engineers perform an inspection of each facility, to include a thorough air pollution source audit, as well as an in depth application and file review. Additionally, EPC has been unable to generate or access the applications for the Hookers Point and F.J. Gannon facilities. As you may be aware, FDEP data personnel came to EPC recently. On the same day, a lightning strike took out a large part of our computer system. It is still not completely functional. Cindy Phillips has graciously agreed to generate hard copies of the two remaining facilities.

I would like to close by saying that these are very complex projects. In addition to the size of each facility, there are complicating factors such as the outstanding Chapter 120 F.S. hearing request by the citizens of Apollo Beach for the latest Big Bend modification and the application for modification at the F.J. Gannon facility which may well trigger PSD. This is the largest polluter in Hillsborough County and a thorough, complete review is called for. We respectfully request that the review time given us be extended for 30 days to insure that we can properly represent the interest of the citizens.

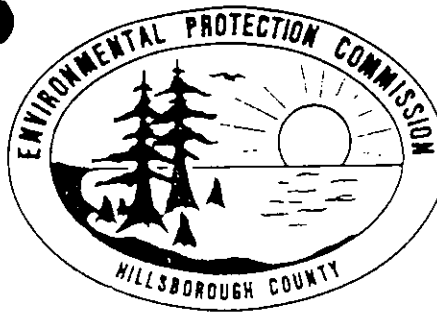
bm

COMMISSION

DOTTIE BERGER  
PHYLLIS BUSANSKY  
JOE CHILLURA  
CHRIS HART  
JIM NORMAN  
ED TURANCHIK  
SANDRA WILSON

EXECUTIVE DIRECTOR

ROGER P. STEWART



ADMINISTRATIVE OFFICES, LEGAL &  
WATER MANAGEMENT DIVISION  
1900 - 9TH AVENUE  
TAMPA, FLORIDA 33605  
TELEPHONE (813) 272-5960  
FAX (813) 272-5157

AIR MANAGEMENT DIVISION  
TELEPHONE (813) 272-5530

WASTE MANAGEMENT DIVISION  
TELEPHONE (813) 272-5788

WETLANDS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7104

M E M O R A N D U M

DATE: September 27, 1996

TO: John Brown, P.E., FDEP

FROM: Carlos Gonzalez *CG* THRU: *RK* Richard C. Kirby, IV, P.E.  
Jerry Campbell, P.E.

SUBJECT: Tampa Electric Company (TECO), Hooker's Point Station  
Title V Application

The referenced application has been reviewed by EPC engineering staff. A facility inspection was conducted on September 19, 1996. The inspection highlights were discussed with Steve Welsh of your office on the day of the inspection. Based on our review and inspection, we offer the following comments:

1. The referenced station is currently permitted to burn No. 6 fuel oil. In the application, TECO requests to burn on-specification used oil (reprocessed oil). TECO does not give the amount of used oil they propose to use and only provide a partial fuel analysis to compare with the specifications in Table 1, 40 CFR 279.11. If TECO is allowed to burn used oil, we request that TECO track down the amount of used oil and provide a more comprehensive fuel analysis (to include not only sulfur, but lead and halogens content). We understand that there is a guidance memorandum in the works for used oil usage that may apply to this facility.
2. The boiler units at the referenced station have visible emissions limitations, except during periods of excess emissions, as follows: "visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%." This limitation is consistent with Rule 62-296.405(1)(a), F.A.C. and Hillsborough County Chapter 1-3. We request that this opacity limitation remain in the Title V permit.
3. During the inspection, TECO requested that the three (3) smoke stacks be identified as indicated in the attachment.

John Brown, P.E., FDEP  
September 27, 1996  
Page 2

4. TECO requests that up to 50 gpm of a non-hazardous boiler chemical cleaning waste be allowed to burn in each boiler unit. If TECO is allowed to burn this chemical, we request that TECO track down the amount of this chemical and provide analysis to demonstrate that such chemical is non-hazardous.
5. TECO requests that compliance with SO<sub>2</sub> emission limits be done by fuel analysis. EPC supports the use of CEMs for compliance demonstration as we feel it is more representative than fuel sampling.
6. TECO requests, as an option, to conduct test runs during soot-blowing to demonstrate compliance with non-sootblowing standard. If TECO is allowed this option, we request that these tests be done during the firing of used oil--if used oil is allowed to be burned.

bm

Attachments

# TECO HOOKER'S POINT STATION

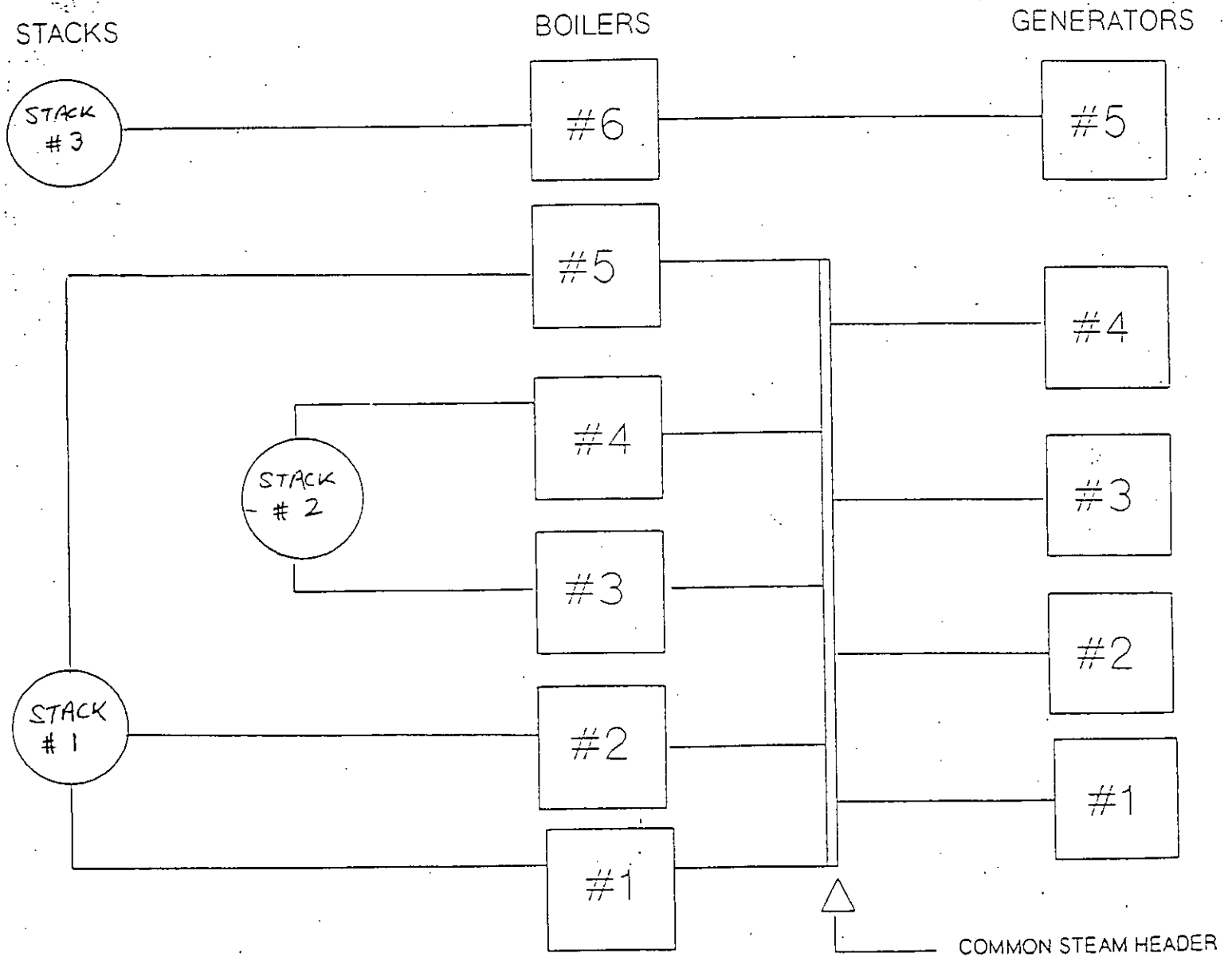


TABLE 1—USED OIL NOT EXCEEDING ANY SPECIFICATION LEVEL IS NOT SUBJECT TO THIS PART WHEN BURNED FOR ENERGY RECOVERY<sup>1</sup>

Constituent/property	Allowable level
Arsenic .....	5 ppm maximum.
Cadmium .....	2 ppm maximum.
Chromium .....	10 ppm maximum.
Lead .....	100 ppm maximum.
Flash point .....	100 °F minimum.
Total halogens .....	4,000 ppm maximum. <sup>2</sup>

NOTE: Applicable standards for the burning of used oil containing PCBs are imposed by 40 CFR 761.20(e).

<sup>1</sup> The specification does not apply to mixtures of used oil and hazardous waste that continue to be regulated as hazardous waste (see §279.10(b)).

<sup>2</sup> Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under §279.10(b)(1). Such used oil is subject to subpart H of part 266 of this chapter rather than this part when burned for energy recovery unless the presumption of mixing can be successfully rebutted.

[57 FR 41612, Sept. 10, 1992, as amended at 58 FR 26425, May 3, 1993]

#### §279.12 Prohibitions.

(a) *Surface impoundment prohibition.* Used oil shall not be managed in surface impoundments or waste piles unless the units are subject to regulation under parts 264 or 265 of this chapter.

(b) *Use as a dust suppressant.* The use of used oil as a dust suppressant is prohibited, except when such activity takes place in one of the states listed in §279.82(c).

(c) *Burning in particular units.* Off-specification used oil fuel may be burned for energy recovery in only the following devices:

(1) Industrial furnaces identified in §260.10 of this chapter;

(2) Boilers, as defined in §260.10 of this chapter, that are identified as follows:

(i) Industrial boilers located on the site of a facility engaged in a manufacturing process where substances are transformed into new products, including the component parts of products, by mechanical or chemical processes;

(ii) Utility boilers used to produce electric power, steam, heated or cooled air, or other gases or fluids for sale; or

(iii) Used oil-fired space heaters provided that the burner meets the provisions of §279.23.

(3) Hazardous waste incinerators subject to regulation under subpart O of parts 264 or 265 of this chapter.

[57 FR 41612, Sept. 10, 1992, as amended at 58 FR 26425, May 3, 1993]

### Subpart C—Standards for Used Oil Generators

#### §279.20 Applicability.

(a) *General.* Except as provided in paragraphs (a)(1) through (a)(4) of this section, this subpart applies to all used oil generators. A used oil generator is any person, by site, whose act or process produces used oil or whose act first causes used oil to become subject to regulation.

(1) *Household "do-it-yourselfer" used oil generators.* Household "do-it-yourselfer" used oil generators are not subject to regulation under this part.

(2) *Vessels.* Vessels at sea or at port are not subject to this subpart. For purposes of this subpart, used oil produced on vessels from normal ship-board operations is considered to be generated at the time it is transported ashore. The owner or operator of the vessel and the person(s) removing or accepting used oil from the vessel are co-generators of the used oil and are both responsible for managing the waste in compliance with this subpart once the used oil is transported ashore. The co-generators may decide among them which party will fulfill the requirements of this subpart.

(3) *Diesel fuel.* Mixtures of used oil and diesel fuel mixed by the generator of the used oil for use in the generator's own vehicles are not subject to this part once the used oil and diesel fuel have been mixed. Prior to mixing, the used oil fuel is subject to the requirements of this subpart.

(4) *Farmers.* Farmers who generate an average of 25 gallons per month or less of used oil from vehicles or machinery used on the farm in a calendar year are not subject to the requirements of this part.

(b) *Other applicable provisions.* Used oil generators who conduct the following activities are subject to the requirements of other applicable provisions of this part as indicated in paragraphs (b)(1) through (5) of this section:



COMMISSION  
PHYLLIS BUSANSKY  
JOE CHALLURA  
PAM IORIO  
SYLVIA KIMBELL  
JAN KAMINS PLATT  
JAMES D. SELVEY  
ED TURANCHIK

FAX (813) 272-5157



ROGER P. STEWART  
EXECUTIVE DIRECTOR  
ADMINISTRATIVE OFFICES  
AND  
WATER MANAGEMENT DIVISION  
1500 - 9TH AVENUE  
TAMPA, FLORIDA 33605  
TELEPHONE (813) 272-5960  
AIR MANAGEMENT DIVISION  
TELEPHONE (813) 272-5530  
WASTE MANAGEMENT DIVISION  
TELEPHONE (813) 272-5768  
ECOSYSTEMS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7164

February 6, 1992

Unit 1  
Correspondence

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

Re: Permit Renewal - Hooker's Point Unit Nos. 1, 2, 3, 4, 5, 6

Dear Mr. Robinson:

In accordance with our past procedures, the notification requirement in Specific Condition No. 11 of each operating permit does not have to be in writing. Notification by telephone fifteen (15) days in advance of compliance testing will satisfy the requirements of Specific Condition No. 11.

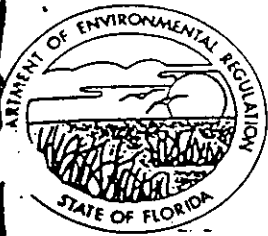
Please call me should you have any questions.

Sincerely,

Darrel Graziani  
Chief, Air Permitting Section

bm





# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5361

Carol M. Browner, Secretary

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT ISSUANCE

### CERTIFIED MAIL

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

DER File No.: AO29-203001  
County: Hillsborough

Enclosed is Permit Number AO29-203001 to operate a 298 MMBTU/hr. steam generator designated as Unit #1, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

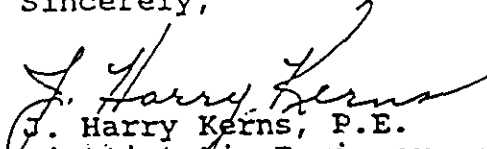
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Tampa Electric Company  
Tampa, FL 33601-0111

Page Three

Executed in Tampa, Florida

Sincerely,

  
J. Harry Kerns, P.E.  
District Air Engineer

JHK/SKW/bm

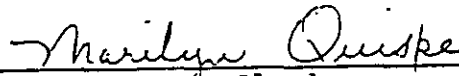
Attachment:

cc: Environmental Protection Commission  
of Hillsborough County  
Mark J. Hornick, P.E., Tampa Electric Company

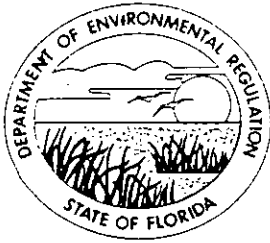
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all  
copies were mailed by certified mail before the close of business on  
DEC 19 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this  
date, pursuant to Section 120.52(11),  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
Clerk

DEC 19 1991  
Date



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

12/13/91

## PERMITTEE:

Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

## PERMIT/CERTIFICATION

Permit No: AO29-203001  
County: Hillsborough  
Expiration Date: 12/01/96  
Project: Hooker's Point  
Station Unit #1

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 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 of hereof and specifically described as follows:

For the operation of a 298 MMBTU/hr. steam generator designated as Unit #1. This front firing type boiler was manufactured by Babcock and Wilcox Corporation and is fired on No. 6 fuel oil. The unit has no add-on pollution control equipment. Air pollutant emissions are controlled by efficient combustion of the fuel. Unit Nos. 1, 2, and 5 share the same stack exhaust (#5 stack), located on the west side of the building between stacks #2 and #4.

Location: At the foot of Hemlock Street, Tampa

UTM: 17-358.0 E 3091.0 N NEDS NO: 0038 Point ID: 01

Replaces Permit No.: AO29-125685

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203001  
PROJECT: Hooker's Point Station  
Unit #1

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.

2. Except as provided in Specific Condition No. 5, the maximum allowable particulate matter emission rate from this source shall not exceed 0.1 pounds per MMBtu heat input over a two (2) hour average. [Rule 17-2.650(2)(c)2.b.(i), F.A.C.]

3. Except as provided in Specific Condition No. 5, visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. [Rules 17-2.650(2)(c)2.b.(ii) and 17-2.600(5)(a)1., F.A.C.]

4. The maximum allowable sulfur dioxide emission rate from this source shall not exceed 1.1 pounds per MMBtu heat input. [Rule 17-2.600(5)(a)3.a.(v), F.A.C.]

5. Excess Emissions:

A. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown are permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized. [Rule 17-2.250(2), F.A.C.]

B. Excess emissions resulting from boiler cleaning (sootblowing) and load change are permitted provided that the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60% opacity, and providing (a) best operational practices to minimize emissions are adhered to and (b) the duration of the excess emissions are minimized. Particulate matter emissions shall not exceed an average of 0.3 pounds per MMBtu heat input during the 3-hour period of excess emissions allowed by part B. of this specific condition. [Rule 17-2.250(3), F.A.C.]

C. Excess emissions resulting from malfunctions\* are permitted provided (a) best operational practices to minimize emissions are adhered to and (b) the duration of excess emissions are minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department of Environmental Regulation for longer duration. [Rule 17-2.250(1), F.A.C.]

D. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction is prohibited. [Rule 17-2.250(4), F.A.C.]

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203001  
PROJECT: Hooker's Point Station  
Unit #1

SPECIFIC CONDITIONS: (continued)

\* In case of excess emissions resulting from malfunctions, Tampa Electric Company shall notify the Environmental Protection Commission of Hillsborough County in accordance with Rule 17-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested. [Rule 17-2.250(6), F.A.C.]

6. Test the emissions for the following pollutant(s) at intervals of 12 months from May 10, 1991 ( $\pm$  90 days) and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office and the Florida Department of Environmental Regulation within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C.:

(X) Particulates\*\*  
(X) Opacity\*\*

(X) Sulfur Dioxide\*

\* Compliance with the sulfur dioxide emission limits may be demonstrated by calculating SO<sub>2</sub> emissions based on the sulfur content of the fuel in lieu of stack sampling as provided in Rule 17-2.700, F.A.C. An analysis of the fuel oil shall be submitted with the stack test report. The analysis shall be in accordance with ASTM D4239-85 to determine sulfur content and contain as a minimum the Btu content (Btu/gal.), the density (lbs./gal.) and the sulfur content (% by weight).

\*\* Compliance with the particulate matter and opacity limits shall be demonstrated under both sootblowing and non-sootblowing operating conditions. A test under sootblowing conditions which demonstrates compliance with a non-sootblowing emission limitation will be accepted as proof of compliance with that non-sootblowing emission limitation.

7. Approved compliance testing of emissions must be conducted within  $\pm$  10% of the maximum permitted heat input rate (298 MMBtu/hr.), when practicable. Testing may be conducted at less than 90% of the maximum permitted heat input rate; however, if so, the maximum permitted heat input rate is automatically amended to be equal to the test heat input rate. If the maximum permitted heat input rate for this source is exceeded by more than 10%, compliance testing shall be performed within 60 days of initiation of the higher rate and the results of the tests shall be submitted to the Department of Environmental Regulation and the Environmental Protection Commission of Hillsborough County. The Environmental Protection Commission of Hillsborough County may, for good cause shown, grant an extension of the 60-day time limit on a case by case basis. Acceptance of said test will automatically amend the maximum permitted heat input rate to be equal to the test heat input rate. The actual heat input rate shall be specified in each test

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203001  
PROJECT: Hooker's Point Station  
Unit #1

SPECIFIC CONDITIONS: (continued)

report. Failure to submit the actual heat input rate, or operation at conditions during testing which do not reflect normal operating conditions may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 17-4.070(3), F.A.C.]

8. Compliance with the emission limitations of Specific Condition Nos. 2, 3, 4 and 5B (sootblowing) shall be determined using EPA Methods contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. in accordance with Table 700-1 and DER Method 9 contained in Rule 17-2.700, F.A.C. The Method 9 observation period shall be at least 60 minutes and concurrent with one stack test run for sootblowing and non-sootblowing conditions. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- (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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County and the Florida Department of Environmental Regulation.

10. Operation and Maintenance Plan. [Rule 17-2.650(2)(g), F.A.C.]

A. Process System Performance Parameters:

- 1) Source Designator: Hooker's Point Unit #1
- 2) Design Fuel Consumption Rate: 43 barrels per hour
- 3) Steam Flow: 220,000 pounds per hour
- 4) Operating Temperature: 900° F.
- 5) Operating Pressure: 960 psi

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

Continuously Monitored and Recorded

Steam Flow  
Steam Temperature  
Steam Pressure  
Excess Air



PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203001  
PROJECT: Hooker's Point Station  
Unit #1

SPECIFIC CONDITIONS: (continued)

Daily

Check visible emissions  
Sample fuel oil for monthly composite analysis  
Maintain optimum flame pattern for efficient fuel combustion

Monthly

Monitor and back calculate fuel input rate

During Major Outages

Inspect boiler, controls, auxiliaries, and ductwork and repair as necessary.

Prior to Startup

Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

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

11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9. and 17-2.820(5), F.A.C.] *See amendment dated 2/6/92.*

12. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION



Richard Garrity, Ph.D.  
Director of District Management



# Florida Department of Environmental Regulation

Southwest District

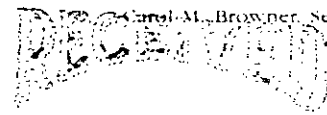
4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary



DEC 10 1991

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

Unit #2  
Correspondence

CERTIFIED MAIL

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

DER File No.: AO29-203000  
County: Hillsborough

Enclosed is Permit Number AO29-203000 to operate a 298 MMBTU/hr. steam generator designated as Unit #2, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

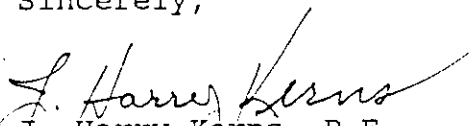
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Tampa Electric Company  
Tampa, FL 33601-0111

Page Three

Executed in Tampa, Florida

Sincerely,

  
J. Harry Kerns, P.E.  
District Air Engineer

JHK/SKW/bm

Attachment:

cc: ✓ Environmental Protection Commission  
of Hillsborough County  
Mark J. Hornick, P.E., Tampa Electric Company

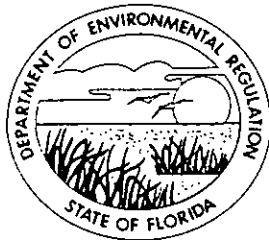
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all  
copies were mailed by certified mail before the close of business on  
DEC 19 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this  
date, pursuant to Section 120.52(11),  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
Clerk

DEC 19 1991  
Date



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

## PERMITTEE:

Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

## PERMIT/CERTIFICATION

Permit No: AO29-203000  
County: Hillsborough  
Expiration Date: 12/01/96  
Project: Hooker's Point  
Station Unit #2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 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 of hereof and specifically described as follows:

For the operation of a 298 MMBTU/hr. steam generator designated as Unit #2. This front firing type boiler was manufactured by Babcock and Wilcox Corporation and is fired on No. 6 fuel oil. The unit has no add-on pollution control equipment. Air pollutant emissions are controlled by efficient combustion of the fuel. Unit Nos. 1, 2, and 5 share the same stack exhaust (#5 stack), located on the west side of the building between stacks #2 and #4.

Location: At the foot of Hemlock Street, Tampa

UTM: 17-358.0 E 3091.0 N NEDS NO: 0038 Point ID: 02

Replaces Permit No.: AO29-125686

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203000  
PROJECT: Hooker's Point Station  
Unit #2

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.

2. Except as provided in Specific Condition No. 5, the maximum allowable particulate matter emission rate from this source shall not exceed 0.1 pounds per MMBtu heat input over a two (2) hour average. [Rule 17-2.650(2)(c)2.b.(i), F.A.C.]

3. Except as provided in Specific Condition No. 5, visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. [Rules 17-2.650(2)(c)2.b.(ii) and 17-2.600(5)(a)1., F.A.C.]

4. The maximum allowable sulfur dioxide emission rate from this source shall not exceed 1.1 pounds per MMBtu heat input. [Rule 17-2.600(5)(a)3.a.(v), F.A.C.]

5. Excess Emissions:

A. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown are permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized. [Rule 17-2.250(2), F.A.C.]

B. Excess emissions resulting from boiler cleaning (sootblowing) and load change are permitted provided that the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60% opacity, and providing (a) best operational practices to minimize emissions are adhered to and (b) the duration of the excess emissions are minimized. Particulate matter emissions shall not exceed an average of 0.3 pounds per MMBtu heat input during the 3-hour period of excess emissions allowed by part B. of this specific condition. [Rule 17-2.250(3), F.A.C.]

C. Excess emissions resulting from malfunctions\* are permitted provided (a) best operational practices to minimize emissions are adhered to and (b) the duration of excess emissions are minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department of Environmental Regulation for longer duration. [Rule 17-2.250(1), F.A.C.]

D. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction is prohibited. [Rule 17-2.250(4), F.A.C.]

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203000  
PROJECT: Hooker's Point Station  
Unit #2

SPECIFIC CONDITIONS: (continued)

\* In case of excess emissions resulting from malfunctions, Tampa Electric Company shall notify the Environmental Protection Commission of Hillsborough County in accordance with Rule 17-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested. [Rule 17-2.250(6), F.A.C.]

6. Test the emissions for the following pollutant(s) at intervals of 12 months from May 10, 1991 ( $\pm$  90 days) and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office and the Florida Department of Environmental Regulation within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C.:

(X) Particulates\*\*  
(X) Opacity\*\*

(X) Sulfur Dioxide\*

\* Compliance with the sulfur dioxide emission limits may be demonstrated by calculating SO<sub>2</sub> emissions based on the sulfur content of the fuel in lieu of stack sampling as provided in Rule 17-2.700, F.A.C. An analysis of the fuel oil shall be submitted with the stack test report. The analysis shall be in accordance with ASTM D4239-85 to determine sulfur content and contain as a minimum the Btu content (Btu/gal.), the density (lbs./gal.) and the sulfur content (% by weight).

\*\* Compliance with the particulate matter and opacity limits shall be demonstrated under both sootblowing and non-sootblowing operating conditions. A test under sootblowing conditions which demonstrates compliance with a non-sootblowing limitation will be accepted as proof of compliance with that non-sootblowing limitation.

7. Approved compliance testing of emissions must be conducted within  $\pm$  10% of the maximum permitted heat input rate (298 MMBtu/hr.), when practicable. Testing may be conducted at less than 90% of the maximum permitted heat input rate; however, if so, the maximum permitted heat input rate is automatically amended to be equal to the test heat input rate. If the maximum permitted heat input rate for this source is exceeded by more than 10%, compliance testing shall be performed within 60 days of initiation of the higher rate and the results of the tests shall be submitted to the Department of Environmental Regulation and the Environmental Protection Commission of Hillsborough County. The Environmental Protection Commission of Hillsborough County may, for good cause shown, grant an extension of the 60-day time limit on a case by case basis. Acceptance of said test will automatically amend the maximum permitted heat input rate to be equal to the test heat input rate. The actual heat input rate shall be specified in each test

*See Amendment  
dated 6/11/92*

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: A029-203000  
PROJECT: Hooker's Point Station  
Unit #2

SPECIFIC CONDITIONS: (continued)

(report. Failure to submit the actual heat input rate, or operation at conditions during testing which do not reflect normal operating conditions may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 17-4.070(3), F.A.C.]

8. Compliance with the emission limitations of Specific Condition Nos. 2, 3, 4 and 5B (sootblowing) shall be determined using EPA Methods contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. in accordance with Table 700-1 and DER Method 9 contained in Rule 17-2.700, F.A.C. The Method 9 observation period shall be at least 60 minutes and concurrent with one stack test run for sootblowing and non-sootblowing conditions. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- (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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County and the Florida Department of Environmental Regulation.

10. Operation and Maintenance Plan. [Rule 17-2.650(2)(g), F.A.C.]

A. Process System Performance Parameters:

- 1) Source Designator: Hooker's Point Unit #2
- 2) Design Fuel Consumption Rate: 43 barrels per hour
- 3) Steam Flow: 220,000 pounds per hour
- 4) Operating Temperature: 900° F.
- 5) Operating Pressure: 960 psi

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

Continuously Monitored and Recorded

Steam Flow  
Steam Temperature  
Steam Pressure  
Excess Air



PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203000  
PROJECT: Hooker's Point Station  
Unit #2

SPECIFIC CONDITIONS: (continued)

Daily

Check visible emissions  
Sample fuel oil for monthly composite analysis  
Maintain optimum flame pattern for efficient fuel combustion

Monthly

Monitor and back calculate fuel input rate

During Major Outages

Inspect boiler, controls, auxiliaries, and ductwork and repair as necessary.

Prior to Startup

Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

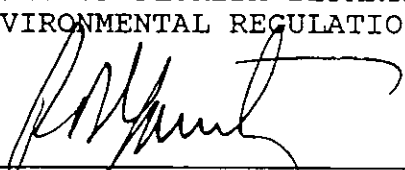
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

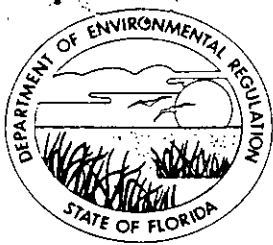
11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9. and 17-2.820(5), F.A.C.]

*See Amendment dated 2/6/92 -*

12. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
Richard Garrity, Ph.D.  
Director of District Management



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

RECEIVED

DEC 10 1991

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

EPG. GEN. COUN. AIR POLLUT. PERMITS  
Pertains to Unit #3

CERTIFIED MAIL

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

DER File No.: A029-202999  
County: Hillsborough

Enclosed is Permit Number A029-202999 to operate a 411 MMBTU/hr. steam generator designated as Unit #3, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

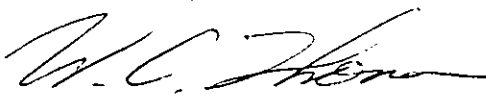
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Tampa Electric Company  
Tampa, FL 33601-0111

Page Three

Executed in Tampa, Florida

Sincerely,

  
For J. Harry Kerns, P.E.  
District Air Engineer

JHK/SKW/bm

Attachment:

cc: ✓ Environmental Protection Commission  
of Hillsborough County  
Mark J. Hornick, P.E., Tampa Electric Company

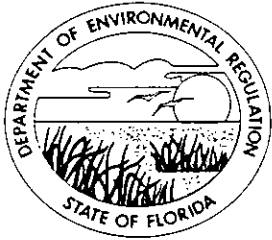
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all  
copies were mailed by certified mail before the close of business on  
DEC 19 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this  
date, pursuant to Section 120.52(11),  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
Clerk

DEC 19 1991  
Date



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

## PERMITTEE:

Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

## PERMIT/CERTIFICATION

Permit No: A029-202999  
County: Hillsborough  
Expiration Date: 12/01/96  
Project: Hooker's Point  
Station Unit #3

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 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 of hereof and specifically described as follows:

For the operation of a 411 MMBTU/hr. steam generator designated as Unit #3. This front firing type boiler was manufactured by Babcock and Wilcox Corporation and is fired on No. 6 fuel oil. The unit has no add-on pollution control equipment. Air pollutant emissions are controlled by efficient combustion of the fuel. Unit Nos. 3 and 4 share the same stack exhaust (#2 stack), the southern most stack on the west side of the building.

Location: At the foot of Hemlock Street, Tampa

UTM: 17-358.0 E 3091.0 N NEDS NO: 0038 Point ID: 03

Replaces Permit No.: A029-125687

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202999  
PROJECT: Hooker's Point Station  
Unit #3

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.

2. Except as provided in Specific Condition No. 5, the maximum allowable particulate matter emission rate from this source shall not exceed 0.1 pounds per MMBtu heat input over a two (2) hour average. [Rule 17-2.650(2)(c)2.b.(i), F.A.C.]

3. Except as provided in Specific Condition No. 5, visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. [Rules 17-2.650(2)(c)2.b.(ii) and 17-2.600(5)(a)1., F.A.C.]

4. The maximum allowable sulfur dioxide emission rate from this source shall not exceed 1.1 pounds per MMBtu heat input. [Rule 17-2.600(5)(a)3.a.(v), F.A.C.]

5. Excess Emissions:

A. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown are permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized. [Rule 17-2.250(2), F.A.C.]

B. Excess emissions resulting from boiler cleaning (sootblowing) and load change are permitted provided that the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60% opacity, and providing (a) best operational practices to minimize emissions are adhered to and (b) the duration of the excess emissions are minimized. Particulate matter emissions shall not exceed an average of 0.3 pounds per MMBtu heat input during the 3-hour period of excess emissions allowed by part B. of this specific condition. [Rule 17-2.250(3), F.A.C.]

C. Excess emissions resulting from malfunctions\* are permitted provided (a) best operational practices to minimize emissions are adhered to and (b) the duration of excess emissions are minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department of Environmental Regulation for longer duration. [Rule 17-2.250(1), F.A.C.]

D. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction is prohibited. [Rule 17-2.250(4), F.A.C.]

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202999  
PROJECT: Hooker's Point Station  
Unit #3

SPECIFIC CONDITIONS: (continued)

\* In case of excess emissions resulting from malfunctions, Tampa Electric Company shall notify the Environmental Protection Commission of Hillsborough County in accordance with Rule 17-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested. [Rule 17-2.250(6), F.A.C.]

6. Test the emissions for the following pollutant(s) at intervals of 12 months from May 10, 1991 ( $\pm$  90 days) and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office and the Florida Department of Environmental Regulation within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C.:

(X) Particulates\*\*  
(X) Opacity\*\*

(X) Sulfur Dioxide\*

\* Compliance with the sulfur dioxide emission limits may be demonstrated by calculating SO<sub>2</sub> emissions based on the sulfur content of the fuel in lieu of stack sampling as provided in Rule 17-2.700, F.A.C. An analysis of the fuel oil shall be submitted with the stack test report. The analysis shall be in accordance with ASTM D4239-85 to determine sulfur content and contain as a minimum the Btu content (Btu/gal.), the density (lbs./gal.) and the sulfur content (% by weight).

\*\* Compliance with the particulate matter and opacity limits shall be demonstrated under both sootblowing and non-sootblowing operating conditions. A test under sootblowing conditions which demonstrates compliance with a non-sootblowing emission limitation will be accepted as proof of compliance with that non-sootblowing emission limitation.

7. Approved compliance testing of emissions must be conducted within  $\pm$  10% of the maximum permitted heat input rate (411 MMBtu/hr.), when practicable. Testing may be conducted at less than 90% of the maximum permitted heat input rate; however, if so, the maximum permitted heat input rate is automatically amended to be equal to the test heat input rate. If the maximum permitted heat input rate for this source is exceeded by more than 10%, compliance testing shall be performed within 60 days of initiation of the higher rate and the results of the tests shall be submitted to the Department of Environmental Regulation and the Environmental Protection Commission of Hillsborough County. The Environmental Protection Commission of Hillsborough County may, for good cause shown, grant an extension of the 60-day time limit on a case by case basis. Acceptance of said test will automatically amend the maximum permitted heat input rate to be equal to the test heat input rate. The actual heat input rate shall be specified in each test

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202999  
PROJECT: Hooker's Point Station  
Unit #3

SPECIFIC CONDITIONS: (continued)

report. Failure to submit the actual heat input rate, or operation at conditions during testing which do not reflect normal operating conditions may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 17-4.070(3), F.A.C.]

8. Compliance with the emission limitations of Specific Condition Nos. 2, 3, 4 and 5B (sootblowing) shall be determined using EPA Methods contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. in accordance with Table 700-1 and DER Method 9 contained in Rule 17-2.700, F.A.C. The Method 9 observation period shall be at least 60 minutes and concurrent with one stack test run for sootblowing and non-sootblowing conditions. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- (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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County and the Florida Department of Environmental Regulation.

10. Operation and Maintenance Plan. [Rule 17-2.650(2)(g), F.A.C.]

A. Process System Performance Parameters:

- 1) Source Designator: Hooker's Point Unit #3
- 2) Design Fuel Consumption Rate: 59.4 barrels per hour
- 3) Steam Flow: 303,000 pounds per hour
- 4) Operating Temperature: 900° F.
- 5) Operating Pressure: 960 psi

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

Continuously Monitored and Recorded

Steam Flow  
Steam Temperature  
Steam Pressure  
Excess Air



PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202999  
PROJECT: Hooker's Point Station  
Unit #3

SPECIFIC CONDITIONS: (continued)

Daily

Check visible emissions  
Sample fuel oil for monthly composite analysis  
Maintain optimum flame pattern for efficient fuel combustion

Monthly

Monitor and back calculate fuel input rate

During Major Outages

Inspect boiler, controls, auxiliaries, and ductwork and repair as necessary.

Prior to Startup

Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

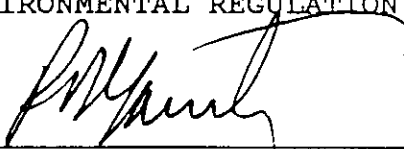
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9/ and 17-2.820(5), F.A.C.]

*See Amendment dated 2/6/92.*

12. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
Richard Garrity, Ph.D.  
Director of District Management



# Florida Department of Environmental Regulation

Southwest District

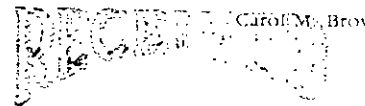
4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary



DEC 19 1991

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

E.P.C. OF N.C.  
AIR PROGRAM

Pertains to  
Unit #4

CERTIFIED MAIL

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

DER File No.: A029-202998  
County: Hillsborough

Enclosed is Permit Number A029-202998 to operate a 411 MMBTU/hr. steam generator designated as Unit #4, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

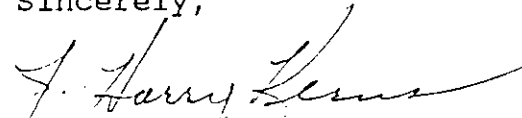
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Tampa Electric Company  
Tampa, FL 33601-0111

Page Three

Executed in Tampa, Florida

Sincerely,

  
J. Harry Kerns, P.E.  
District Air Engineer

JHK/SKW/bm

Attachment:

cc: / Environmental Protection Commission  
of Hillsborough County  
Mark J. Hornick, P.E., Tampa Electric Company

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all  
copies were mailed by certified mail before the close of business on  
DEC 19 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this  
date, pursuant to Section 120.52(11),  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
Clerk

DEC 19 1991  
Date



# *Florida Department of Environmental Regulation*

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

**PERMITTEE:**

Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

**PERMIT/CERTIFICATION**

Permit No: AO29-202998  
County: Hillsborough  
Expiration Date: 12/01/96  
Project: Hooker's Point  
Station Unit #4

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 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 of hereof and specifically described as follows:

For the operation of a 411 MMBTU/hr. steam generator designated as Unit #4. This front firing type boiler was manufactured by Babcock and Wilcox Corporation and is fired on No. 6 fuel oil. The unit has no add-on pollution control equipment. Air pollutant emissions are controlled by efficient combustion of the fuel. Unit Nos. 3 and 4 share the same stack exhaust (#2 stack), the southern most stack on the west side of the building.

Location: At the foot of Hemlock Street, Tampa

UTM: 17-358.0 E 3091.0 N NEDS NO: 0038 Point ID: 04

Replaces Permit No.: AO29-125689

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202998  
PROJECT: Hooker's Point Station  
Unit #4

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.

2. Except as provided in Specific Condition No. 5, the maximum allowable particulate matter emission rate from this source shall not exceed 0.1 pounds per MMBtu heat input over a two (2) hour average. [Rule 17-2.650(2)(c)2.b.(i), F.A.C.]

3. Except as provided in Specific Condition No. 5, visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. [Rules 17-2.650(2)(c)2.b.(ii) and 17-2.600(5)(a)1., F.A.C.]

4. The maximum allowable sulfur dioxide emission rate from this source shall not exceed 1.1 pounds per MMBtu heat input. [Rule 17-2.600(5)(a)3.a.(v), F.A.C.]

5. Excess Emissions:

A. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown are permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized. [Rule 17-2.250(2), F.A.C.]

B. Excess emissions resulting from boiler cleaning (sootblowing) and load change are permitted provided that the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60% opacity, and providing (a) best operational practices to minimize emissions are adhered to and (b) the duration of the excess emissions are minimized. Particulate matter emissions shall not exceed an average of 0.3 pounds per MMBtu heat input during the 3-hour period of excess emissions allowed by part B. of this specific condition. [Rule 17-2.250(3), F.A.C.]

C. Excess emissions resulting from malfunctions\* are permitted provided (a) best operational practices to minimize emissions are adhered to and (b) the duration of excess emissions are minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department of Environmental Regulation for longer duration. [Rule 17-2.250(1), F.A.C.]

D. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction is prohibited. [Rule 17-2.250(4), F.A.C.]

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202998  
PROJECT: Hooker's Point Station  
Unit #4

SPECIFIC CONDITIONS: (continued)

\* In case of excess emissions resulting from malfunctions, Tampa Electric Company shall notify the Environmental Protection Commission of Hillsborough County in accordance with Rule 17-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested. [Rule 17-2.250(6), F.A.C.]

6. Test the emissions for the following pollutant(s) at intervals of 12 months from May 10, 1991 ( $\pm 90$  days) and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office and the Florida Department of Environmental Regulation within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C.:

(X) Particulates\*\*  
(X) Opacity\*\*

(X) Sulfur Dioxide\*

\* Compliance with the sulfur dioxide emission limits may be demonstrated by calculating SO<sub>2</sub> emissions based on the sulfur content of the fuel in lieu of stack sampling as provided in Rule 17-2.700, F.A.C. An analysis of the fuel oil shall be submitted with the stack test report. The analysis shall be in accordance with ASTM D4239-85 to determine sulfur content and contain as a minimum the Btu content (Btu/gal.), the density (lbs./gal.) and the sulfur content (% by weight).

\*\* Compliance with the particulate matter and opacity limits shall be demonstrated under both sootblowing and non-sootblowing operating conditions. A test under sootblowing conditions which demonstrates compliance with a non-sootblowing emission limitation will be accepted as proof of compliance with that non-sootblowing emission limitation.

7. Approved compliance testing of emissions must be conducted within  $\pm 10\%$  of the maximum permitted heat input rate (411 MMBtu/hr.), when practicable. Testing may be conducted at less than 90% of the maximum permitted heat input rate; however, if so, the maximum permitted heat input rate is automatically amended to be equal to the test heat input rate. If the maximum permitted heat input rate for this source is exceeded by more than 10%, compliance testing shall be performed within 60 days of initiation of the higher rate and the results of the tests shall be submitted to the Department of Environmental Regulation and the Environmental Protection Commission of Hillsborough County. The Environmental Protection Commission of Hillsborough County may, for good cause shown, grant an extension of the 60-day time limit on a case by case basis. Acceptance of said test will automatically amend the maximum permitted heat input rate to be equal to the test heat input rate. The actual heat input rate shall be specified in each test

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202998  
PROJECT: Hooker's Point Station  
Unit #4

SPECIFIC CONDITIONS: (continued)

report. Failure to submit the actual heat input rate, or operation at conditions during testing which do not reflect normal operating conditions may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 17-4.070(3), F.A.C.]

8. Compliance with the emission limitations of Specific Condition Nos. 2, 3, 4 and 5B (sootblowing) shall be determined using EPA Methods contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. in accordance with Table 700-1 and DER Method 9 contained in Rule 17-2.700, F.A.C. The Method 9 observation period shall be at least 60 minutes and concurrent with one stack test run for sootblowing and non-sootblowing conditions. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- (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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County and the Florida Department of Environmental Regulation.

10. Operation and Maintenance Plan. [Rule 17-2.650(2)(g), F.A.C.]

A. Process System Performance Parameters:

- 1) Source Designator: Hooker's Point Unit #4
- 2) Design Fuel Consumption Rate: 59.4 barrels per hour
- 3) Steam Flow: 303,000 pounds per hour
- 4) Operating Temperature: 900° F.
- 5) Operating Pressure: 960 psi

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

Continuously Monitored and Recorded

Steam Flow  
Steam Temperature  
Steam Pressure  
Excess Air



PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202998  
PROJECT: Hooker's Point Station  
Unit #4

SPECIFIC CONDITIONS: (continued)

Daily

Check visible emissions  
Sample fuel oil for monthly composite analysis  
Maintain optimum flame pattern for efficient fuel combustion

Monthly

Monitor and back calculate fuel input rate

During Major Outages

Inspect boiler, controls, auxiliaries, and ductwork and repair as necessary.

Prior to Startup

Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

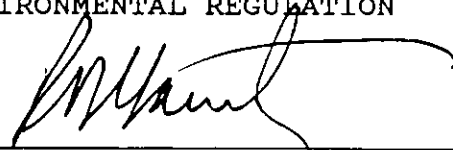
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

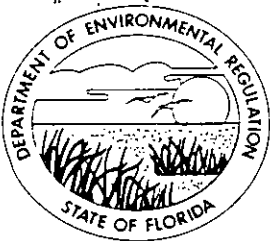
11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9. and 17-2.820(5), F.A.C.]

*See Amendment dated 2/6/92 -*

12. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
Richard Garrity, Ph.D.  
Director of District Management



# Florida Department of Environmental Regulation

Southwest District

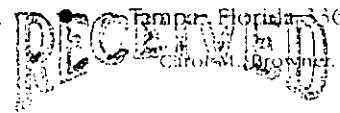
4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol W. Browner, Secretary



DEC 19 1991

E.P.C. OF H.C.  
AIR PROGRAM

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

Unit #5

CERTIFIED MAIL

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

DER File No.: A029-202997  
County: Hillsborough

Enclosed is Permit Number A029-202997 to operate a 610 MMBTU/hr. steam generator designated as Unit #5, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

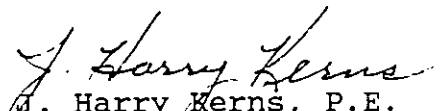
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Tampa Electric Company  
Tampa, FL 33601-0111

Page Three

Executed in Tampa, Florida

Sincerely,

  
J. Harry Kerns, P.E.  
District Air Engineer

JHK/SKW/bm

Attachment:

cc: ✓ Environmental Protection Commission  
of Hillsborough County  
Mark J. Hornick, P.E., Tampa Electric Company

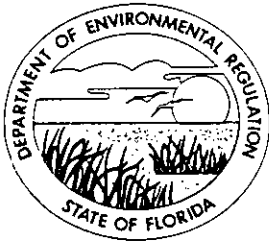
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all  
copies were mailed by certified mail before the close of business on  
DEC 19 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this  
date, pursuant to Section 120.52(11),  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
Clerk

DEC 19 1991  
Date



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles Governor

813-623-5561

Carol M. Browner, Secretary

## PERMITTEE:

Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

## PERMIT/CERTIFICATION

Permit No: A029-202997  
County: Hillsborough  
Expiration Date: 12/01/96  
Project: Hooker's Point  
Station Unit #5

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 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 of hereof and specifically described as follows:

For the operation of a 610 MMBTU/hr. steam generator designated as Unit #5. This front firing type boiler was manufactured by Babcock and Wilcox Corporation and is fired on No. 6 fuel oil. The unit has no add-on pollution control equipment. Air pollutant emissions are controlled by efficient combustion of the fuel. Unit Nos. 1, 2, and 5 share the same stack exhaust (#5 stack), located on the west side of the building between stacks #2 and #4.

Location: At the foot of Hemlock Street, Tampa

UTM: 17-358.0 E 3091.0 N NEDS NO: 0038 Point ID: 05

Replaces Permit No.: A029-125690

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202997  
PROJECT: Hooker's Point Station  
Unit #5

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. Except as provided in Specific Condition No. 5, the maximum allowable particulate matter emission rate from this source shall not exceed 0.1 pounds per MMBtu heat input over a two (2) hour average. [Rule 17-2.650(2)(c)2.b.(i), F.A.C.]
3. Except as provided in Specific Condition No. 5, visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. [Rules 17-2.650(2)(c)2.b.(ii) and 17-2.600(5)(a)1., F.A.C.]
4. The maximum allowable sulfur dioxide emission rate from this source shall not exceed 1.1 pounds per MMBtu heat input. [Rule 17-2.600(5)(a)3.a.(v), F.A.C.]
5. Excess Emissions:
  - A. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown are permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized. [Rule 17-2.250(2), F.A.C.]
  - B. Excess emissions resulting from boiler cleaning (sootblowing) and load change are permitted provided that the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60% opacity, and providing (a) best operational practices to minimize emissions are adhered to and (b) the duration of the excess emissions are minimized. Particulate matter emissions shall not exceed an average of 0.3 pounds per MMBtu heat input during the 3-hour period of excess emissions allowed by part B. of this specific condition. [Rule 17-2.250(3), F.A.C.]
  - C. Excess emissions resulting from malfunctions\* are permitted provided (a) best operational practices to minimize emissions are adhered to and (b) the duration of excess emissions are minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department of Environmental Regulation for longer duration. [Rule 17-2.250(1), F.A.C.]
  - D. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction is prohibited. [Rule 17-2.250(4), F.A.C.]

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: A029-202997  
PROJECT: Hooker's Point Station  
Unit #5

SPECIFIC CONDITIONS: (continued)

\* In case of excess emissions resulting from malfunctions, Tampa Electric Company shall notify the Environmental Protection Commission of Hillsborough County in accordance with Rule 17-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested. [Rule 17-2.250(6), F.A.C.]

6. Test the emissions for the following pollutant(s) at intervals of 12 months from May 10, 1991 ( $\pm$  90 days) and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office and the Florida Department of Environmental Regulation within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C.:

(X) Particulates\*\*  
(X) Opacity\*\*

(X) Sulfur Dioxide\*

\* Compliance with the sulfur dioxide emission limits may be demonstrated by calculating SO<sub>2</sub> emissions based on the sulfur content of the fuel in lieu of stack sampling as provided in Rule 17-2.700, F.A.C. An analysis of the fuel oil shall be submitted with the stack test report. The analysis shall be in accordance with ASTM D4239-85 to determine sulfur content and contain as a minimum the Btu content (Btu/gal.), the density (lbs./gal.) and the sulfur content (% by weight).

\*\* Compliance with the particulate matter and opacity limits shall be demonstrated under both sootblowing and non-sootblowing operating conditions. A test under sootblowing conditions which demonstrates compliance with a non-sootblowing emission limitation will be accepted as proof of compliance with that non-sootblowing emission limitation.

7. Approved compliance testing of emissions must be conducted within  $\pm$  10% of the maximum permitted heat input rate (610 MMBtu/hr.), when practicable. Testing may be conducted at less than 90% of the maximum permitted heat input rate; however, if so, the maximum permitted heat input rate is automatically amended to be equal to the test heat input rate. If the maximum permitted heat input rate for this source is exceeded by more than 10%, compliance testing shall be performed within 60 days of initiation of the higher rate and the results of the tests shall be submitted to the Department of Environmental Regulation and the Environmental Protection Commission of Hillsborough County. The Environmental Protection Commission of Hillsborough County may, for good cause shown, grant an extension of the 60-day time limit on a case by case basis. Acceptance of said test will automatically amend the maximum permitted heat input rate to be equal to the test heat input rate. The actual heat input rate shall be specified in each test

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202997  
PROJECT: Hooker's Point Station  
Unit #5

SPECIFIC CONDITIONS: (continued)

report. Failure to submit the actual heat input rate, or operation at conditions during testing which do not reflect normal operating conditions may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 17-4.070(3), F.A.C.]

8. Compliance with the emission limitations of Specific Condition Nos. 2, 3, 4 and 5B (sootblowing) shall be determined using EPA Methods contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. in accordance with Table 700-1 and DER Method 9 contained in Rule 17-2.700, F.A.C. The Method 9 observation period shall be at least 60 minutes and concurrent with one stack test run for sootblowing and non-sootblowing conditions. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- (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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County and the Florida Department of Environmental Regulation.

10. Operation and Maintenance Plan. [Rule 17-2.650(2)(g), F.A.C.]

A. Process System Performance Parameters:

- 1) Source Designator: Hooker's Point Unit #5
- 2) Design Fuel Consumption Rate: 86.2 barrels per hour
- 3) Steam Flow: 440,000 pounds per hour
- 4) Operating Temperature: 900° F.
- 5) Operating Pressure: 975 psi

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

Continuously Monitored and Recorded

Steam Flow  
Steam Temperature  
Steam Pressure  
Excess Air



PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-202997  
PROJECT: Hooker's Point Station  
Unit #5

SPECIFIC CONDITIONS: (continued)

Daily

Check visible emissions  
Sample fuel oil for monthly composite analysis  
Maintain optimum flame pattern for efficient fuel combustion

Monthly

Monitor and back calculate fuel input rate

During Major Outages

Inspect boiler, controls, auxiliaries, and ductwork and repair as necessary.

Prior to Startup

Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

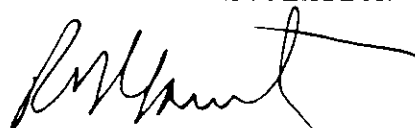
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9. And 17-2.820(5), F.A.C.]

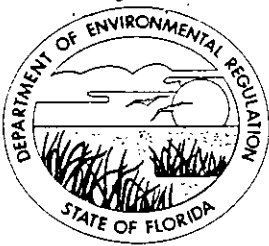
*See Amendment dated 2/6/92.*

12. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION



Richard Garrity, Ph.D.  
Director of District Management



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

DEC 20 1997

REC'D OF H.C.  
AIR PROGRAM

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT ISSUANCE

### CERTIFIED MAIL

Mr. Lynn F. Robinson  
Environmental Planning  
Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

Unit #6  
DER File No.: A029-203002  
County: Hillsborough

Enclosed is Permit Number A029-203002 to operate a 778 MMBTU/hr. steam generator designated as Unit #6, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

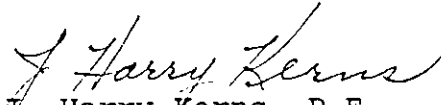
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Tampa Electric Company  
Tampa, FL 33601-0111

Page Three

Executed in Tampa, Florida

Sincerely,

  
J. Harry Kerns, P.E.  
District Air Engineer

JHK/SKW/bm

Attachment:

cc: ✓ Environmental Protection Commission  
of Hillsborough County  
Mark J. Hornick, P.E., Tampa Electric Company

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all  
copies were mailed by certified mail before the close of business on  
DEC 19 1991 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this  
date, pursuant to Section 120.52(11),  
Florida Statutes, with the designated  
Department Clerk, receipt of which is  
hereby acknowledged.

  
Clerk

DEC 19 1991  
Date



# Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-622-5561

Carol M. Browner, Secretary

## PERMITTEE:

Tampa Electric Company  
Post Office Box 111  
Tampa, FL 33601-0111

## PERMIT/CERTIFICATION

Permit No: AO29-203002  
County: Hillsborough  
Expiration Date: 12/01/96  
Project: Hooker's Point  
Station Unit #6

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 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 of hereof and specifically described as follows:

For the operation of a 778 MMBTU/hr. steam generator designated as Unit #6. This tangential firing type boiler was manufactured by Combustion Engineering Corporation and is fired on No. 6 fuel oil. The unit has no add-on pollution control equipment. Air pollutant emissions are controlled by efficient combustion of the fuel. Unit No. 6 vents to stack #4, the northern most stack on the west side of the building.

Location: At the foot of Hemlock Street, Tampa

UTM: 17-358.0 E 3091.0 N NEDS NO: 0038 Point ID: 06

Replaces Permit No.: AO29-125691

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203002  
PROJECT: Hooker's Point Station  
Unit #6

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. Except as provided in Specific Condition No. 5, the maximum allowable particulate matter emission rate from this source shall not exceed 0.1 pounds per MMBtu heat input over a two (2) hour average. [Rule 17-2.650(2)(c)2.b.(i), F.A.C.]
3. Except as provided in Specific Condition No. 5, visible emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. [Rules 17-2.650(2)(c)2.b.(ii) and 17-2.600(5)(a)1., F.A.C.]
4. The maximum allowable sulfur dioxide emission rate from this source shall not exceed 1.1 pounds per MMBtu heat input. [Rule 17-2.600(5)(a)3.a.(v), F.A.C.]
5. Excess Emissions:
  - A. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown are permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized. [Rule 17-2.250(2), F.A.C.]
  - B. Excess emissions resulting from boiler cleaning (sootblowing) and load change are permitted provided that the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60% opacity, and providing (a) best operational practices to minimize emissions are adhered to and (b) the duration of the excess emissions are minimized. Particulate matter emissions shall not exceed an average of 0.3 pounds per MMBtu heat input during the 3-hour period of excess emissions allowed by part B. of this specific condition. [Rule 17-2.250(3), F.A.C.]
  - C. Excess emissions resulting from malfunctions\* are permitted provided (a) best operational practices to minimize emissions are adhered to and (b) the duration of excess emissions are minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department of Environmental Regulation for longer duration. [Rule 17-2.250(1), F.A.C.]
  - D. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction is prohibited. [Rule 17-2.250(4), F.A.C.]

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203002  
PROJECT: Hooker's Point Station  
Unit #6

SPECIFIC CONDITIONS: (continued)

\* In case of excess emissions resulting from malfunctions, Tampa Electric Company shall notify the Environmental Protection Commission of Hillsborough County in accordance with Rule 17-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested. [Rule 17-2.250(6), F.A.C.]

6. Test the emissions for the following pollutant(s) at intervals of 12 months from May 10, 1991 ( $\pm 90$  days) and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office and the Florida Department of Environmental Regulation within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C.:

(X) Particulates\*\*  
(X) Opacity\*\*

(X) Sulfur Dioxide\*

\* Compliance with the sulfur dioxide emission limits may be demonstrated by calculating SO<sub>2</sub> emissions based on the sulfur content of the fuel in lieu of stack sampling as provided in Rule 17-2.700, F.A.C. An analysis of the fuel oil shall be submitted with the stack test report. The analysis shall be in accordance with ASTM D4239-85 to determine sulfur content and contain as a minimum the Btu content (Btu/gal.), the density (lbs./gal.) and the sulfur content (% by weight).

\*\* Compliance with the particulate matter and opacity limits shall be demonstrated under both sootblowing and non-sootblowing operating conditions. A test under sootblowing conditions which demonstrates compliance with a non-sootblowing emission limitation will be accepted as proof of compliance with that non-sootblowing emission limitation.

7. Approved compliance testing of emissions must be conducted within  $\pm 10\%$  of the maximum permitted heat input rate (778 MMBtu/hr.), when practicable. Testing may be conducted at less than 90% of the maximum permitted heat input rate; however, if so, the maximum permitted heat input rate is automatically amended to be equal to the test heat input rate. If the maximum permitted heat input rate for this source is exceeded by more than 10%, compliance testing shall be performed within 60 days of initiation of the higher rate and the results of the tests shall be submitted to the Department of Environmental Regulation and the Environmental Protection Commission of Hillsborough County. The Environmental Protection Commission of Hillsborough County may, for good cause shown, grant an extension of the 60-day time limit on a case by case basis. Acceptance of said test will automatically amend the maximum permitted heat input rate to be equal to the test heat input rate. The actual heat input rate shall be specified in each test

PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203002  
PROJECT: Hooker's Point Station  
Unit #6

SPECIFIC CONDITIONS: (continued)

report. Failure to submit the actual heat input rate, or operation at conditions during testing which do not reflect normal operating conditions may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 17-4.070(3), F.A.C.]

8. Compliance with the emission limitations of Specific Condition Nos. 2, 3, 4 and 5B (sootblowing) shall be determined using EPA Methods contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. in accordance with Table 700-1 and DER Method 9 contained in Rule 17-2.700, F.A.C. The Method 9 observation period shall be at least 60 minutes and concurrent with one stack test run for sootblowing and non-sootblowing conditions. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

9. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- (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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County and the Florida Department of Environmental Regulation.

10. Operation and Maintenance Plan. [Rule 17-2.650(2)(g), F.A.C.]

A. Process System Performance Parameters:

- 1) Source Designator: Hooker's Point Unit #6
- 2) Design Fuel Consumption Rate: 126 barrels per hour
- 3) Steam Flow: 625,000 pounds per hour
- 4) Operating Temperature: 950° F.
- 5) Operating Pressure: 1450 psi

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

Continuously Monitored and Recorded

Steam Flow  
Steam Temperature  
Steam Pressure  
Excess Air



PERMITTEE:  
Tampa Electric Company

PERMIT/CERTIFICATION NO.: AO29-203002  
PROJECT: Hooker's Point Station  
Unit #6

SPECIFIC CONDITIONS: (continued)

Daily

Check visible emissions  
Sample fuel oil for monthly composite analysis  
Maintain optimum flame pattern for efficient fuel combustion

Monthly

Monitor and back calculate fuel input rate

During Major Outages

Inspect boiler, controls, auxiliaries, and ductwork and repair as necessary.

Prior to Startup

Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

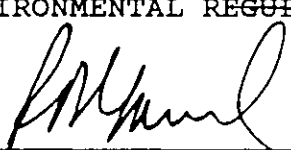
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9. and 17-2.820(5), F.A.C.]

*See amendment dated 2/6/92.*

12. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
Richard Garrity, Ph.D.  
Director of District Management