



TAMPA ELECTRIC

February 15, 2001

RECEIVED

FEB 19 2001

BUREAU OF AIR REGULATION

Mr. Syed Arif  
New Source Review Section  
Florida Department of Environmental Protection  
111 South Magnolia Drive, Suite 4  
Tallahassee, FL 32301

Via FedEx  
Airbill No. 7919 7422 6668

Re: Tampa Electric Company (TEC) – Hookers Point Station  
Temporary Generation Project

Dear Mr. Arif:

Per our telephone conversation on February 14, 2001, I have enclosed the revised page from the permit application addressing the above referenced project. In addition, I have included the operating hours for all six Hookers Point boilers for 1998 and 1999 in the table below. As the data demonstrates, the hours of operation for the station vary normally due to increased demand and normal weather fluctuations.

	Unit 1 [hours/year]	Unit 2 [hours/year]	Unit 3 [hours/year]	Unit 4 [hours/year]	Unit 5 [hours/year]	Unit 6 [hours/year]
1998	1,553	1,404	1,467	1,878	1,954	1,028
1999	1,334	1,156	1,864	2,087	2,460	1,712
Average	1,444	1,280	1,666	1,983	2,207	1,370

Thank you for your continued effort in processing the permit application. If you have any questions, please telephone me at (813) 641-5125.

Sincerely,

Shannon K. Todd  
Environmental Engineer  
Environmental Affairs

EP\gm\SKT238

Enclosure

c(enc) Mr. Jerry Campbell, EPCHC  
Mr. Scott Sheplak, FDEP  
Mr. Syed Arif, FDEP  
Mr. Bill Thomas, FDEP - SWD

TAMPA ELECTRIC COMPANY  
P. O. BOX 1111 TAMPA, FL 33601-0111

(813) 228-4111

AN EQUAL OPPORTUNITY COMPANY  
HTTP://WWW.TECOENERGY.COM

CUSTOMER SERVICE:  
HILLSBOROUGH COUNTY (813) 223-0800  
OUTSIDE HILLSBOROUGH COUNTY 1 (888) 223-0800

**Construction/Modification Information**

**1. Description of Proposed Project or Alterations:**

**Project consists of the addition of thirty (30) Caterpillar XQ2000 Power Modules. Each Power Module consists of one Caterpillar 3516B 16-cylinder, 4-stroke cycle diesel internal combustion (IC) engine and one Caterpillar SR4B generator. The Caterpillar 3516B IC engine has a power output rating of 2,593 brake horsepower (bhp) at 100% load. The Caterpillar SR4B generator has a power output rating of 1,825 kilowatts (kW) at 100% load.**

**The Caterpillar 3516B IC engines will be fired exclusively with low sulfur (maximum of 0.05 weight % sulfur) diesel fuel oil and will only operate at 100% load. The 30 Caterpillar XQ2000 Power Modules will be operated in conjunction with existing Hookers Point Units 1 through 6 such that total Hookers Point Station emissions will remain below the PSD significant emission rate thresholds for major modifications. Assuming no operation of the existing Hookers Point Station units, the 30 IC engines will operate no more than a total of 25,897 engine-hours per year.**

**2. Projected or Actual Date of Commencement of Construction: March 1, 2001**

**3. Projected Date of Completion of Construction: May 1, 2001**

**Application Comment**

**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:	16.8	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
24	hours/day	7 days/week
52	weeks/year	* hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		
<p><b>* The 30 Caterpillar XQ2000 Power Modules will be operated in conjunction with existing Hookers Point Units 1 through 6 such that total Hookers Point Station emissions will remain below the PSD significant emission rate thresholds for major modifications. Assuming no operation of the existing Hookers Point Station units, the 30 IC engines will operate no more than a total of 25,897 engine-hours per year.</b></p> <p><b>See Attachment E. for details.</b></p>		
7.		



-file-  
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FEB 16 2001

BUREAU OF AIR REGULATION

February 15, 2001

Mr. Scott Sheplak, P.E.  
Administrator, Title V Section  
Florida Department of Environmental Protection  
111 South Magnolia Drive, Suite 4  
Tallahassee, FL 32301

**Via FedEx**  
**Airbill No. 7919 7386 0490**

**Re: Tampa Electric Company  
Hookers Point Station  
Temporary Mobile Generation Project  
0570038-001-AV**

Dear Mr. Sheplak:

In correspondence dated January 22, 2001, Tampa Electric Company (TEC) submitted a permit modification request to modify both the PSD and Title V Permit associated with the above source. Please accept this letter as a request to temporarily withdraw the request to modify the Title V Permit. This request is being made to separate the processing of the PSD portion of the modification request so that it may proceed on an independent track. Once the PSD modification is complete, a separate request to continue processing of the Title V modification will be submitted.

If you have any questions, please telephone Shannon Todd, Jamie Hunter or me at (813) 641-5125.

Sincerely,

Darryl Scott  
General Manager / Responsible Official  
Hookers Point Station

EP\gm\SKT237

c: Al Linero, FDEP  
Syed Arif, FDEP  
Buck Oven, FDEP  
Bill Thomas, FDEP - SWD



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

Mr. Doug Finke  
General Manager  
Tampa Electric Company  
P.O. Box 111  
Tampa, Florida 33601-0111

## ORDER EXTENDING PERMIT EXPIRATION DATE Hookers Point Station, Facility ID No.: 0570038

Section 403.0872(2)(b), Florida Statutes (F.S.), specifies that any facility which submits to the Department of Environmental Protection (Department) a timely and complete application for a Title V permit "is entitled to operate in compliance with its existing air permit pending the conclusion of proceedings associated with its application."

Section 403.0872(6), F.S., provides that a proposed Title V permit which is not objected to by the United States Environmental Protection Agency (EPA) "must become final no later than fifty-five (55) days after the date on which the proposed permit was mailed" to the EPA.

Pursuant to the Federal Acid Rain Program as defined in rule 62-210.200, Florida Administrative Code (F.A.C.), all Acid Rain permitting must become effective on January 1 of a given year.

This facility which will be permitted pursuant to section 403.0872, F.S., (Title V permit) will be required to have a permit effective date subsequent to the final processing date of the facility's Title V permit.

To prevent misunderstanding and to assure that the above identified facility continues to comply with existing permit terms and conditions until its Title V permit becomes effective, it is necessary to extend the expiration dates of its existing valid permits until the effective date of its Title V permit. Therefore, under the authority granted to the Department by section 403.061(8), F.S., **IT IS ORDERED:**

1. The expiration dates of the existing valid permits under which the above identified facility is currently operating is hereby extended until the effective date of its permit issued pursuant to section 403.0872, F.S., (Title V permit);
2. The facility shall comply with all terms and conditions of its existing valid permits until the effective date of its Title V permit;
3. The facility will continue to comply with the requirements of Chapter 62-214, F.A.C., and the Federal Acid Rain Program, as defined in rule 62-210.200, F.A.C., pending final issuance of its Title V permit.

PETITION FOR ADMINISTRATIVE REVIEW

The Department will take the action described in this Order unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 of the Florida Statutes (F.S.). Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the Department's proposed decision may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the 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 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions must be filed within 21 days of receipt of this Order. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department 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 the petitioner, if any;
- (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this Order. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under section 120.542 of the Florida Statutes. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in section 120.542(2) of the Florida Statutes, and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

This Order constitutes final agency action unless a petition is filed in accordance with the above paragraphs.

RIGHT TO APPEAL

Any party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., 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, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; 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 Notice of Agency Action is filed with the Clerk of the Department.

DONE AND ORDERED this 8 day of Nov, 1997 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



HOWARD L. RHODES, Director  
Division of Air Resources Management  
Twin Towers Office Building  
Mail Station 5500  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
850/488-0114

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this order and all copies were sent by certified mail before the close of business on 11/12/97 to the persons listed:

Mr. Doug Finke

Mr. Thomas Reese, Attorney at Law

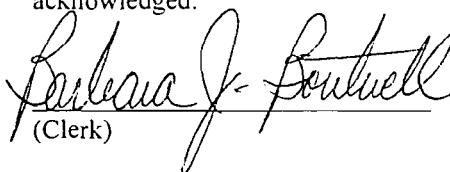
Mr. Richard Kirby, P.E., Hillsborough County Environmental Protection Commission

Mr. Gerald Kissel, P.E., FDEP, SWD

11/12/97 cc: Steve Wolske  
Reading File

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on  
this date, pursuant to Section 120.52(7), Florida Statutes,  
with the designated agency Clerk, receipt of which is hereby  
acknowledged.

  
(Clerk)

11/12/97  
(Date)



Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- 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):

1. ☐ Addressee's Address  
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Thomas W. Reese, Esquire  
2951 61st Avenue South  
St. Petersburg, Florida 33712

4a. Article Number

P 263 584 847

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

Thomas W Reese

6. Signature: (Addressee or Agent)

X Thomas W Reese

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

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 263 584 847

**US Postal Service  
Receipt for Certified Mail**

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

Sent to Mr. Thomas W. Reese, Esq.	Street & Number 2951 61st Avenue South	Post Office, State, & ZIP Code St. Petersburg, FL 33712	Postage \$	Certified Fee	Special Delivery Fee	Restricted Delivery Fee	Return Receipt Showing to Whom & Date Delivered	Return Receipt Showing to Whom, Date, & Addressee's Address	TOTAL Postage & Fees \$	Postmark or Date 11/12/97
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PS Form 3800, April 1995

TECO - Hooker's Point  
ID#0570038

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address  
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Doug Finke  
General Manager  
Tampa Electric Company  
P.O. Box 111  
Tampa, Florida 33601-0111

4a. Article Number

P 263 584 846

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

11-17-97

5. Received By: (Print Name)

Doug Finke

6. Signature: (Addressee or Agent)

X Doug Finke

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

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 263 584 846

**US Postal Service  
Receipt for Certified Mail**

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

Sent to Mr. Doug Finke	Street & Number P.O. Box 111	Post Office, State, & ZIP Code Tampa, Florida 33601-0111	Postage \$	Certified Fee	Special Delivery Fee	Restricted Delivery Fee	Return Receipt Showing to Whom & Date Delivered	Return Receipt Showing to Whom, Date, & Addressee's Address	TOTAL Postage & Fees \$	Postmark or Date 11/12/97
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PS Form 3800, April 1995

TECO - Hooker's Point  
ID#0570038

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

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- Complete items 3, 4a, and 4b.
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- 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):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Mr. Richard Kirby, P.E.  
Hillsborough County Environ-  
mental Protection Commission  
1410 North 21 Street  
Tampa, Florida 33605

**4a. Article Number**

P 263 584 848

**4b. Service Type**

- |   |   |
|---|---|
| <input type="checkbox"/> Registered                     | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail                   | <input type="checkbox"/> Insured              |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD                  |

**7. Date of Delivery**

11-12-97

**5. Received By: (Print Name)**

Kathleen M. Fisher

**6. Signature: (Addressee or Agent)**

X

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

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 263 584 848

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Mr. Richard Kirby, P.E.	
Street & Number 1410 North 21 Street	
Post Office, State, & ZIP Code Tampa, Florida 33605	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 11/12/97 TECO - Hooker's Point ID#0570038	

PS Form 3800, April 1995

TURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- 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):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Mr. Gerald Kissel, P.E.  
Florida Department of Environ-  
mental Protection - Southwest  
District Office  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8218

**4a. Article Number**

P 263 584 849

**4b. Service Type**

- |   |   |
|---|---|
| <input type="checkbox"/> Registered                     | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail                   | <input type="checkbox"/> Insured              |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD                  |

**7. Date of Delivery**

11/12/97

**5. Received By: (Print Name)**

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

Thank you for using Return Receipt Service.

Return Receipt

P 263 584 849

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Mr. Gerald Kissel, P.E.	
Street & Number 3804 Coconut Palm Drive	
Post Office, State, & ZIP Code Tampa, Florida 33619-8218	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 11/12/97 TECO - Hooker's Point ID#0570038	

PS Form 3800, April 1995



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

October 28, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Thomas W. Reese  
Attorney at Law  
2951 61st Avenue South  
St. Petersburg, Florida 33712

Dear Mr. Reese:

RE: Request for Tampa Electric Company's Renewal Dates for Air Permits and Notification of Any Proposed Title V Air Operation Permitting Action

Thank you for your letter of October 8, which requested the renewal dates for Tampa Electric Company's Power Plants. A copy of a permitting history is enclosed for you for the Big Bend facility, the Gannon facility, and the Hookers Point facility. In each of these, you will find the current expiration date for the affected permits. In addition, Rule 62-210.300(2)(a)3.a., F.A.C., extended operation permits for Title V sources subject to Rule 62-213.420(1)(a)1., F.A.C., to 60 days after the due date. Specifically, the due date for these Acid Rain sources was June 15, 1996, pursuant to Rule 62-213.420(1)(a)1.a., F.A.C. The applications for these facilities were received on June 14, 1996. Because of the timely submittal of the initial applications and the initial sufficiency reviews were considered complete, the initial applications were allowed to default to complete 60 days after the June 14 submittal, which was September 12, and Rule 62-213.420(1)(b)2., F.A.C., extended any existing valid permit. The extension of the permits lasts until final agency action is taken on the applications. Copies of the rule citations are enclosed.

The Tampa Electric Company's Polk Power Station facility's construction permit, No. PSD-FL-194, has been extended by amendment (PSD-FL-194A) and expires on June 30, 2000. A copy of the permit extension is enclosed.

Since I specifically work for the Title V Section within the Bureau of Air Regulation, I am assuming that you only desire notification of any proposed agency action regarding the Title V operation permits for the facilities referenced in the preceding paragraph. If this is not accurate, please advise. We have already placed your name on the "to be copied" list in the three proposed Title V permits' Notice of Agency Action documents; and, we will do the same for the Polk Power Station project when it is processed. Therefore, the Department's notification will be mailed to you, the applicant, and others on the same day.

Thomas W. Reese Letter  
October 28, 1996  
Page 2 of 3

If you desire notification of any proposed air permitting action outside of the Title V Section's, then it is requested that you notify each air permitting authority that might receive and process such a request from the Tampa Electric Company. The following air permitting authorities that might also be involved with the Tampa Electric Company, now and in the future, are:

Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
2600 Blair-Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 904/488-1344  
Fax: 904/922-6979

Contacts: C. H. Fancy, Bureau Chief  
A. A. Linero, P.E. Administrator, New Source Review Section

\*\*\*\*\*

Department of Environmental Protection  
Southwest District  
Air Resources Management  
3804 Coconut Palm Drive  
Tampa, Florida 33619-821

Telephone: 813/744-6100  
Fax: 813/744-6084

Contacts: W. C. Thomas, District Air Program Administrator  
G. J. Kissel, P.E. III, Air Permitting Section

\*\*\*\*\*

Hillsborough County Environmental Protection Commission  
Air Management Division  
1410 North 21st Street  
Tampa, Florida 33605

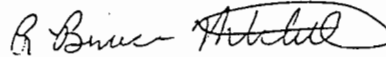
Telephone: 813/272-5530  
Fax: 813/272-5605

Contacts: Iwan Choronenko, Director  
Jerry Campbell, P.E., Assistant Director

Thomas W. Reese Letter  
October 28, 1996  
Page 3 of 3

I hope that your requests have been answered by this letter and enclosures. If not, please give me a call at 904/488-1344 or write to me at the above letterhead address.

Sincerely,



R. Bruce Mitchell  
Environmental Administrator  
Title V Section-Bureau of Air Regulation

RBM/m

Enclosures

cc: C. H. Fancy, BAR  
A. A. Linero, BAR  
Patricia Comer, Esq., DEP  
W. C. Thomas, SWD  
G. J. Kissel, SWD  
I. Choronenko, HCEPC  
J. Campbell, HCEPC

THOMAS W. REESE  
ATTORNEY AT LAW  
2951 61ST AVENUE SOUTH  
ST. PETERSBURG, FLORIDA 33712.

(813) 867-8228  
FAX (813) 867-2259

RECEIVED

OCT 11 1996

BUREAU OF  
AIR REGULATION

October 8, 1996

Bruce Mitchell  
Division of Air Resource Management  
Permitting and Standards Section  
Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Re: TECO Power Plant Air Permit Renewal Dates

Dear Mr. Mitchell:

Would you please advise me of the air permit renewal dates for each of TECO's power plant plants, especially including each of the Big Bend and Gannon Units.

Also, would you please provide me with actually timely notice of any proposed DEP agency action on any TECO power plant air permits.

Very truly yours,

*Thomas W. Reese*  
Thomas W. Reese

cc: Howard Rhodes, Div. Dir.  
Bill Thomas, SW Dist. Off.  
Jerry Campbell, HCEPC



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

Tampa Electric Company  
Big Bend

[DRAFT/PROPOSED/FINAL] Permit No.: 0570039-002-AV  
Facility ID No.: 0570039

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### Permit History (for tracking purposes):

E.U. ID No	Description	Permit No.	Issue Date	Expiration Date	Extended Date	Revised Date(s)
-001	Unit 1 Coal Fired Boiler	AO29-219924	11/24/92	12/01/97		
-002	Unit 2 Coal Fired Boiler	AO29-179912	11/19/90	10/18/95	08/14/96	
-003	Unit 3 Coal Fired Boiler	AO29-179911	08/29/90	08/30/95	08/14/96	
-004	Unit 4 Coal Fired Boiler	PSD-FL-040	11/14/81			
-005	Combustion Turbine #2	AO29-174596	03/14/90	03/09/95	08/14/96	
-006	Gas Turbine #3	AO29-174611	05/08/90	04/27/95	08/14/96	
-007	Gas Turbine #1	AO29-160257	01/19/90	07/07/94		
-008	Unit #1 & #2 Flyash Silo	AO29-160255	01/19/90	12/22/94		
-009	Fly Ash Silo for Unit #3	AO29-161082	10/16/91	07/07/94		
-010	Big Bend Coal Yard	PSD-FL-040	11/14/81			
-011	Truck Unloading of Limestone	PSD-FL-040	11/14/81			
-012	Limestone Silo A w/2 baghouses	PSD-FL-040	11/14/81			
-013	Limestone Silo B w/2 baghouses	PSD-FL-040	11/14/81			
-014	Flyash Silo for Unit #4	PSD-FL-040	11/14/81			
-015	Unit 1 Coal Bunker w/Rotoclone	AO29-163788	10/06/89	06/30/94		
-016	Unit 2 Coal Bunker w/Rotoclone	AO29-163788	10/06/89	06/30/94		
-017	Unit 3 Coal Bunker w/Rotoclone	AO29-163788	10/06/89	06/30/94		
-018	Fly Ash Silo for Unit #3	AO29-161082	10/16/91	07/07/94		
-019	Big Bend Station Unit #1 & #2	AO29-160255	01/19/90	12/22/94		

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

From: Facility ID No.: 40H11L290039

To: Facility ID No.: 0570039

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

Tampa Electric Company  
F. J. Gannon

[DRAFT/PROPOSED/FINAL] Permit No.: 0570040-002-AV  
Facility ID No.: 0570040

---

### Permit History (for tracking purposes):

<u>E.U.</u> <u>ID No</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue</u> <u>Date</u>	<u>Expiration</u> <u>Date</u>	<u>Extended Date</u>	<u>Revised Date(s)</u>
-001	Steam Generator	AO29-204434	1/31/92	1/31/97		10/11/94
-002	Boiler	AO29-189206	2/7/91	2/6/96	8/14/96	
-003	Coal Fired Boiler	AO29-172179	4/26/90	4/19/95	8/14/96	10/11/94
-004	Coal Fired Boiler	AO29-255208	12/2/94	10/14/99		
-005	Coal Fired Boiler	AO29-203511	1/1/92	1/1/97		
-006	Coal Fired Boiler	AO29-203512	2/15/92	2/15/97		
-007	Gas Turbine	AO29-252615	8/31/94	8/31/99		
-008	Boiler	AO29-216480	4/23/93	9/12/97		
-009	Economizer Ash Silo	AO29-218858	8/29/89	11/6/97		
-010	Fly Ash Silo	AO29-250137	7/20/94	7/12/99		2/6/95
-011	Fly Ash Silo	AO29-250140	7/20/94	7/12/99		2/6/95
-012	Pug Mill & Truck Loading	AO29-250137	7/20/94	7/12/99		2/6/95
-013	Unit 1 Coal Bunker w/Rotoclone	AO29-250139	7/20/94	7/12/99		2/6/95
-014	Unit 2 Coal Bunker w/Rotoclone	AO29-250139	7/20/94	7/12/99		2/6/95
-015	Unit 3 Coal Bunker w/Rotoclone	AO29-250139	7/20/94	7/12/99		2/6/95
-016	Unit 4 Coal Bunker w/Rotoclone	AO29-250139	7/20/94	7/12/99		2/6/95
-017	Unit 5 Coal Bunker w/Rotoclone	AO29-250139	7/20/94	7/12/99		2/6/95
-018	Unit 6 Coal Bunker w/Rotoclone	AO29-250139	7/20/94	7/12/99		2/6/95

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

From: Facility ID No.: 40HIL290040

To: Facility ID No.: 0570040

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## 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

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### 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 Steam Generator #6	AO29-202997	12/19/91	12/01/96		

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

From: Facility ID No.: 40HIL290038

To: Facility ID No.: 0570038

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DEP 1996 STATIONARY SOURCES - GENERAL REQUIREMENTS 62-210

(v) Cyclic, branched, or linear completely methylated siloxanes

(w) Acetone

(x) Perfluorocarbon compounds which fall into these classes:

1. Cyclic, branched, or linear, completely fluorinated alkanes;

2. Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;

3. Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and

4. Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

(310) "Waste-to-Energy Facility" - A facility that uses an enclosed device using controlled combustion to thermally break down solid, liquid or gaseous combustible solid waste to an ash residue that contains little or no combustible material, and that produces electricity, steam, or other energy as a result. The term does not include facilities that primarily burn fuels other than solid waste, even if the facilities also burn some solid waste as a fuel supplement. The term also does not include facilities that burn vegetative, agricultural, or silvicultural wastes, bagasse, clean dry wood, methane or other landfill gas, wood fuel derived from construction or demolition debris, or waste tires, alone or in combination with fossil fuel. For the purposes of Rule 62-296.416, F.A.C., the term does not include facilities that primarily burn biohazardous or hazardous waste and industrial boilers that burn pelletized paper waste as a supplemental fuel.

(311) "Waxy, Heavy Pour Crude Oil" - A crude oil with a pour point of 50 degrees or higher as determined by the American Society for Testing and Materials Standard D97-66, "Test for Pour Point of Petroleum Oils". A copy of the above referenced document is available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, and may be examined at the Department's Tallahassee office.

(312) "Yard Trash" - Vegetative matter resulting from landscaping and yard maintenance operations which includes materials such as tree and shrub trimmings, grass clippings, palm fronds, trees and tree stumps.

Specific Authority 403.061, FS.

Law Implemented 403.021, 403.031, 403.061, 403.087, FS.

History -- Formerly 17-2.100; Amended 2-9-93, 11-28-93, Formerly 17-210.200, Amended 11-23-94, 4-18-95, 1-2-96, 3-13-96, 3-21-96, 8-15-96.

62-210.300 Permits Required. The owner or operator of any emissions unit which emits or can reasonably be expected to emit any air pollutant shall obtain an appropriate permit from the Department prior to beginning construction, modification, or initial or continued operation of the emissions unit unless exempted pursuant to Department rule or statute. All emissions limitations, controls, and other requirements imposed by such permits shall be at least as stringent as any applicable limitations and requirements contained in or

Effective 8-15-96

DEP 1996 STATIONARY SOURCES - GENERAL REQUIREMENTS 62-210

enforceable under the State Implementation Plan (SIP) or that are otherwise federally enforceable. Issuance of a permit does not relieve the owner or operator of any emissions unit from complying with applicable emission limiting standards or other requirements of the air pollution rules of the Department, or any other applicable requirements under federal, state, or local law.

(1) Air Construction Permits. An air construction permit shall be obtained by the owner or operator of any proposed new or modified facility or emissions unit prior to the beginning of construction or modification, in accordance with all applicable provisions of this chapter, Chapter 62-212 and Chapter 62-4, F.A.C. The construction permit shall be issued for a period of time sufficient to allow construction or modification of the facility or emissions unit and operation while the new or modified facility or emissions unit is conducting tests or otherwise demonstrating initial compliance with the conditions of the construction permit.

(2) Air Operation Permits. Upon expiration of the air operation permit for any existing facility or emissions unit, subsequent to construction or modification and demonstration of initial compliance with the conditions of the construction permit for any new or modified facility or emissions unit, or as otherwise provided in this chapter or Chapter 62-213, the owner or operator of such facility or emissions unit shall obtain a renewal air operation permit, an initial air operation permit, or an administrative correction or revision of an existing air operation permit, whichever is appropriate, in accordance with all applicable provisions of this chapter, Chapter 62-213 (if the facility is a Title V source), and Chapter 62-4, F.A.C.

(a) Minimum Requirements for All Air Operation Permits. At a minimum, a permit issued pursuant to this subsection shall:

1. Specify the manner, nature, volume and frequency of the emissions permitted, and the applicable emission limiting standards or performance standards, if any;

2. Require proper operation and maintenance of any pollution control equipment by qualified personnel, where applicable in accordance with the provisions of any operation and maintenance plan required by the air pollution rules of the Department.

3. Contain an effective date stated in the permit which shall not be earlier than the date final action is taken on the application and be issued for a period, beginning on the effective date, as provided below.

a. The operation permit for an emissions unit which is in compliance with all applicable rules and in operational condition, and which the owner or operator intends to continue operating, shall be issued or renewed for a five-year period, except that, for Title V sources subject to Rule 62-213.420(1)(a)1., F.A.C., operation permits shall be extended until 60 days after the due date for submittal of the facility's Title V permit application as specified in Rule 62-213.420(1)(a)1., F.A.C.

b. Except as provided in Rule 62-210.300(2)(a)3.d., F.A.C., the operation permit for an emissions unit which has been shut down for six months or more

Effective 8-15-96

permit may include such emissions unit in the initial application, provided the requirements of Rule 62-213.420(3)(k), F.A.C., are met.

(b) Complete Application.

1. Any applicant for a Title V permit, permit revision or permit renewal must submit an application on form number 62-210.900(1), which must include all the information specified by Rule 62-213.420(3), F.A.C., except that an application for permit revision must contain only that information related to the proposed change. The applicant shall include information concerning fugitive emissions and stack emissions in the application. Each application for permit, permit revision or permit renewal shall be certified by a responsible official in accordance with Rule 62-213.420(4), F.A.C.

2. For those applicants submitting initial permit applications pursuant to Rule 62-213.420(1)(a)1., F.A.C., a complete application shall be an application that substantially addresses all the information required by the application form number 62-210.900(1), and such applications shall be deemed complete within sixty days of receipt of a signed and certified application unless the Department notifies the applicant of incompleteness within that time. For all other applicants, the applications shall be deemed complete sixty days after receipt, unless the Department, within sixty days after receipt of a signed application for permit, permit revision or permit renewal, requests additional documentation or information needed to process the application. An applicant making timely and complete application for permit, or timely application for permit renewal as described by Rule 62-4.090(1), F.A.C., shall continue to operate the source under the authority and provisions of any existing valid permit or Florida Electrical Power Plant Siting Certification, provided the applicant complies with all the provisions of Rule 62-213.420(1)(b)3. and 4., F.A.C. Failure of the Department to request additional information within sixty days of receipt of a properly signed application shall not impair the Department's ability to request additional information pursuant to Rule 62-213.420(1)(b)3. and 4., F.A.C.

3. For those permit applications submitted pursuant to the provisions of Rule 62-213.420(1)(a)1., F.A.C., the Department shall notify the applicant if the Department becomes aware at any time during processing of the application that the application contains incorrect or incomplete information. The applicant shall submit the corrected or supplementary information to the Department within ninety days unless the applicant has requested and been granted additional time to submit the information. Failure of an applicant to submit corrected or supplementary information requested by the Department within ninety days or such additional time as requested and granted shall render the application incomplete.

4. For all applications other than those addressed at Rule 62-213.420(1)(b)3., F.A.C., should the Department become aware, during processing of any application that the application contains incorrect information, or should the Department become aware, as a result of comment from an

affected State, an approved local air program, EPA, or the public that additional information is needed to evaluate the application, the Department shall notify the applicant within 30 days. When an applicant becomes aware that an application contains incorrect or incomplete information, the applicant shall submit the corrected or supplementary information to the Department. If the Department notifies an applicant that corrected or supplementary information is necessary to process the permit, and requests a response, the applicant shall provide the information to the Department within ninety days of the Department request unless the applicant has requested and been granted additional time to submit the information or, the applicant shall, within ninety days, submit a written request that the Department process the application without the information. Failure of an applicant to submit corrected or supplementary information requested by the Department within ninety days, or such additional time as requested and granted, or to demand in writing within ninety days that the application be processed without the information shall render the application incomplete. Nothing in this section shall limit any other remedies available to the Department.

5. All Department requests for additional information shall conform to the requirements of Rule 62-4.055(2), (3), and (4), F.A.C.

6. The Department shall grant requests for additional time to submit supplemental or corrected information as follows:

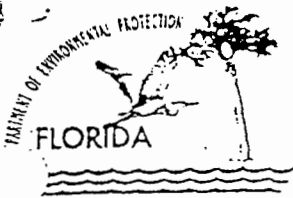
a. Each source requesting additional time must make a written request prior to the due date for receipt of the information and must specify the number of additional days requested;

b. The Department shall grant up to sixty additional days to any source operating in compliance with the terms and conditions of the source's existing valid permit without the need to show cause;

c. The Department shall grant additional time beyond sixty days or to sources not operating in compliance with existing valid permits only after the source demonstrates good cause. Good cause shall mean any unforeseen situation outside the control of the source such as labor strikes, acts of war, extraordinary or sudden and unexpected acts of nature or accidents beyond the control of the source. If the Department has required, in the request for additional or corrected information, that the source undertake specific testing or investigation, good cause shall also include the requirement to complete any required tests or investigation that cannot be completed within 150 days, so long as the source specifies the expected date of completion in its demonstration of good cause and so long as the estimated time requested is for the work required.

(2) Confidential Information. Whenever an applicant submits information under a claim of confidentiality pursuant to Section 403.111, F.S., the applicant shall also submit a copy of all such information and claim directly to EPA.

(3) Standard Application Form and Required Information. Applications shall be submitted under this chapter on forms provided by the Department and adopted by reference in Rule 62-210.900(1), F.A.C. The information as described in Rule 62-210.900(1), F.A.C., shall be included for the Title V source and each emissions



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

February 28, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. G. F. Anderson  
Tampa Electric Company  
P. O. Box 111  
Tampa, Florida 33601-0111

Dear Mr. Anderson:

RE: Amendment for a Modification to the Auxiliary Boiler  
and Expiration Date Extension  
PSD-FL-194(A)

The Department received your requests of May 12 and June 9, 1994, to modify the auxiliary boiler by increasing the heat input rate, which will require changing some existing specific conditions, and to extend the expiration date of the PSD permit referenced below. The permit is amended as shown:

Permit No. PA-92-32, PSD-FL-194, Tampa Electric Company.

Current Expiration Date: June 1, 1996

New Expiration Date: June 30, 2000

The Department is also modifying the specific conditions as follows:

## E. Auxiliary Boiler

The maximum heat input to the auxiliary boiler shall not exceed ~~49.5~~ 120.0 MMBtu/hr when firing No. 2 fuel oil with 0.05 percent maximum sulfur content by weight. All fuel consumption must be continuously measured and recorded for the auxiliary boiler.

## G. Fugitive Dust

Fugitive dust emissions during the construction period shall be minimized by covering or watering dust generation areas. Particulate matter emissions from the coal handling equipment shall be controlled by enclosing all coal storage, conveyors and conveyor

Mr. G. F. Anderson  
February 28, 1995  
Page 2 of 4

~~transfer points (except those directly associated with the coal stacker/reclaimer for which an enclosure is operationally infeasible).~~ Fugitive emissions shall be tested as specified in Condition No. J. ~~Inactive coal storage shall be shaped, compacted, and oriented to minimize wind erosion.~~ Water sprays or chemical wetting agents and stabilizers shall be applied to uncovered storage piles, roads, handling equipment, etc. during dry periods and, as necessary, to all facilities to maintain an opacity of less than or equal to five percent. ~~When adding, moving or removing coal from the coal pile, an opacity of 20 percent is allowed.~~

#### H. Emission Limits

1. The maximum allowable emissions from the IGCC combustion turbine, when firing syngas and low sulfur fuel oil, in accordance with the BACT determination, shall not exceed the following:

<u>Pollutant</u>	<u>Fuel</u>	<u>Basis</u>	<u>Emissions Limitations</u> 7F CT Postdemonstration <u>Period</u>	
			<u>lb/hr</u>	<u>tpy</u>
NO <sub>x</sub>	Oil	42 ppmvd	311	N/A
	Syngas	25 ppmvd	222.5	270.4
			220.25	1,032.9

#### I. Auxiliary Boiler Operation

Normal operation of the auxiliary boiler shall be limited to a maximum of 3,000 hours per year and only during periods of startup and shutdown of the IGCC unit, or when steam from the IGCC unit's heat recovery steam generator is unavailable. The auxiliary boiler may operate continuously (i.e. 8,760 hrs/yr) in the standby mode. The following emission limitations shall apply:

1. NO<sub>x</sub> emissions shall not exceed ~~6-16~~ 0.10 lbs/MMBtu for oil firing.
2. Sulfur dioxide emissions shall be limited by firing low sulfur oil with a maximum sulfur content of 0.05 percent by weight.
3. Visible emissions shall not exceed 20 percent opacity (6-minute average) ~~(except for one six-minute period per hour during which opacity shall not exceed 27 percent)~~, while burning low sulfur fuel oil.

## L. Monitoring Requirements

### 1. IGCC Combustion Turbine

A continuous emission monitoring system (CEMS) shall be installed, operated and maintained in accordance with 40 CFR 60, Appendix F, for the combined cycle unit to monitor nitrogen oxides and a diluent gas (CO<sub>2</sub> or O<sub>2</sub>). The applicant shall request that this condition of certification be amended to reflect the Federal Acid Rain Program requirements of 40 CFR 75, if applicable, when those requirements become effective within the state.

1- a Each CEMS shall meet the performance specifications of 40 CFR 60, Appendix B.

2- b CEMS data shall be recorded and reported in accordance with Rule Chapter 62-297.500, F.A.C.; 40 CFR 60; and 40 CFR 75, if applicable. The record shall include periods of startup, shutdown, and malfunction.

3- c A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation or any other preventable upset condition, or preventable equipment breakdown shall not be considered malfunctions.

4- d The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of all CEMS.

5- e For purposes of the reports required under this permit, excess emissions are defined as any calculated average emission concentration, as determined pursuant to Condition No. H.4 herein, which exceeds the applicable emission limits in Condition No. H.1.

### 2. Auxiliary Boiler

A CEMS shall be installed, operated and maintained in accordance with 40 CFR 60, Appendix F, for the auxiliary boiler to monitor nitrogen oxides emissions and in accordance with 40 CFR 60.13 to monitor opacity.

a. The CEMS shall meet the performance specifications of 40 CFR 60, Appendix B.

Mr. G. F. Anderson  
February 28, 1995  
Page 4 of 4

b. CEMS data shall be recorded and reported in accordance with Rule 62-297.500, F.A.C., and 40 CFR 60. The record shall include periods of startup, shutdown and malfunction.

c. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

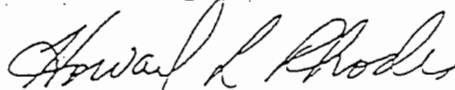
d. The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the CEMS.

N. Applicable Requirements

The project shall comply with all the applicable requirements of Chapters 62-212 and 62-4, F.A.C., and 40 CFR 60, Subparts A, Db and GG.

A copy of this letter shall be attached to the above mentioned permit, No. PSD-FL-194(A), and shall become a part of the permit.

Sincerely,



Howard L. Rhodes  
Director  
Division of Air Resources  
Management

HLR/sa/b

cc: B. Thomas, SWD  
J. Harper, EPA  
J. Bunyak, NPS  
H. Owen, PPS  
T. Davis, P.E., ECT



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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: *RR* 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.

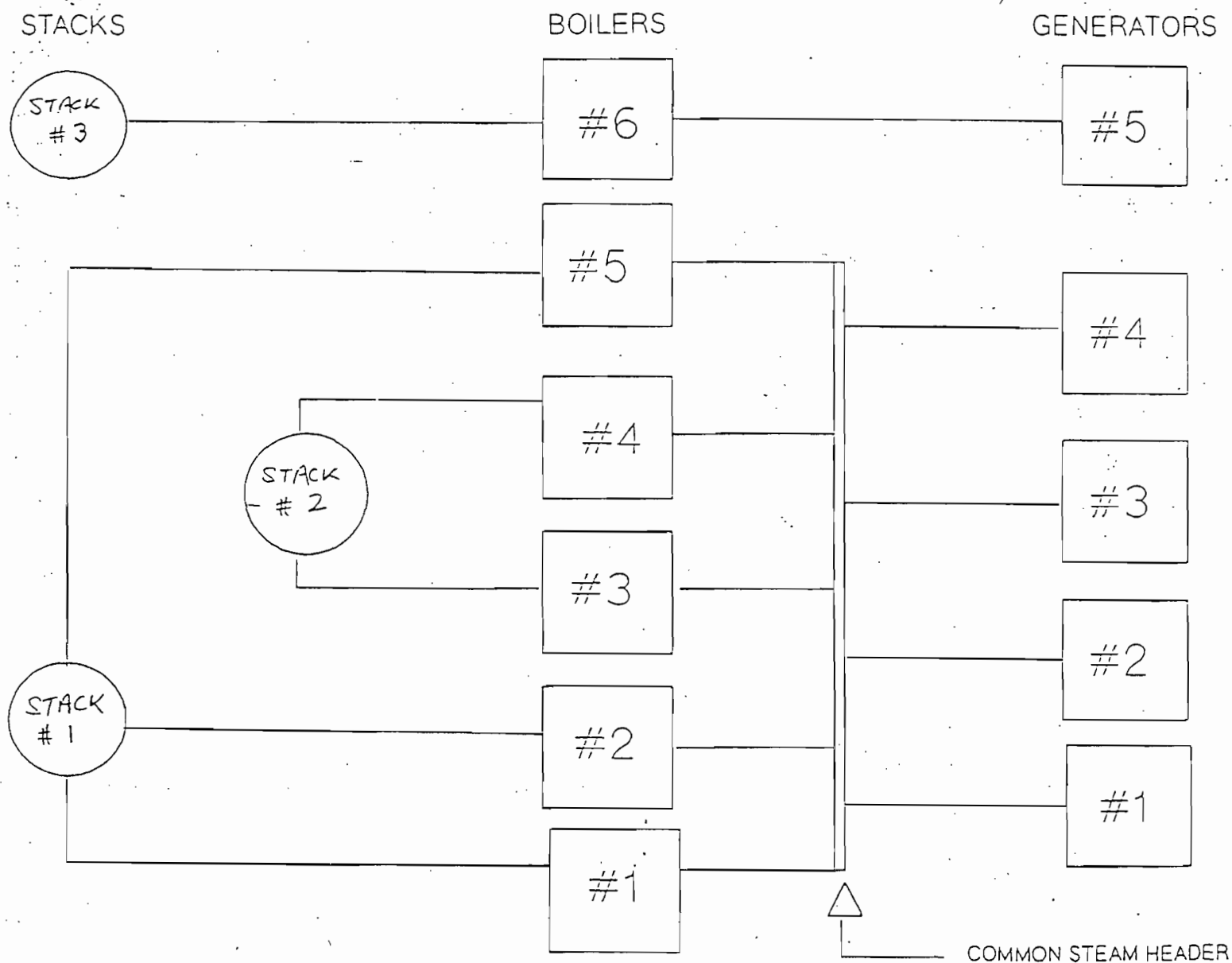
John Brown, P.E., FDEP  
September 27, 1996  
Page 2

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



# BEST AVAILABLE COPY

§ 279.12

40 CFR Ch. I (7-1-95 Edition)

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.
Caesium .....	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 265 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 shipboard 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:



TAMPA ELECTRIC

July 3, 1997

Mr. Scott Sheplak, Jr., P.E.  
Administrator - Title V Section  
Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Via FedEx  
Airbill No. 3793593392

**Re: Tampa Electric Company  
Hookers Point Station  
Draft Title V Air Operation Permit  
FDEP File No. 0570038-001-AV**

Dear Mr. Sheplak:

Tampa Electric Company (TEC) published the Public Notice of Intent to Issue Title V Air Operation Permit for TEC's Hookers Point Station on June 4, 1997. TEC is submitting to the Florida Department of Environmental Protection (FDEP) the enclosed written comments regarding the cited draft permit. TEC looks forward to discussing these comments with FDEP to resolve the issues, if any, that may continue to exist.

Please feel free to telephone me at (813) 641-5039, if you have any questions or require any clarification. Thank you.

Sincerely,

Janice K. Taylor  
Senior Engineer  
Environmental Planning

EP\gm\JKT808

Enclosure

c/enc: Mr. Steve Welsh, FDEP-Tallahassee  
Mr. Jerry Kissel, FDEP-SW District  
Mr. Richard Kirby, EPCHC

**RECEIVED**

**JUL 07 1997**

**BUREAU OF  
AIR REGULATION**

TAMPA ELECTRIC COMPANY

P.O. BOX 111

TAMPA, FL 33601-0111

HILLSBOROUGH COUNTY 223-0800

OUTSIDE OF HILLSBOROUGH COUNTY 1-888-223-0800

HTTP://WWW.TECOENERGY.COM

AN EQUAL OPPORTUNITY COMPANY

**TAMPA ELECTRIC COMPANY  
COMMENTS REGARDING THE TITLE V AIR OPERATION PERMIT FOR  
HOOKERS POINT STATION  
FDEP FILE NO. 0570038-001-AV**

**Section II. Facility-wide Conditions**

TEC Comment 1:

TEC requests the deletion of Facility-wide Condition 4. Hookers Point Station processes do not have any regulated substances above the threshold amounts specified in 40 Code of Federal Regulation (CFR) 68.130. The facility is not subject to the Clean Air Act §112(r) accidental release regulatory program.

TEC Comment 2:

TEC requests that the first sentence in Facility-wide Condition 7. be revised to read:

Reasonable precautions to prevent emissions of unconfined particulate matter at this facility may include the following on an as-needed basis:

**Section III. Emissions Units and Conditions**

TEC Comment 3:

Specific Condition A.3. limits the fuels to be burned at the Hookers Point Station to No. 6 fuel oil during normal operations and No.2 fuel oil or propane during startup operations. The Segment (Process/Fuel) Information sheet for Emissions Units 1 through 6 in the Hookers Point Station Title V Air Operation Permit application each cited used oil as a supplemental fuel. In the past, used oil has been burned at the Hookers Point Station with the Florida Department of Environmental Protection's (FDEP's) verbal approval and without FDEP objection. Based on this history, TEC and FDEP have agreed to incorporate used oil into the Title V Air Operation Permit as an approved fuel. Consistent with this agreement and the permit application, TEC requests Specific Condition A.3.b. be amended to read:

- b. Normal: The only fuels allowed to be burned is are No. 6 fuel oil and used oil.
- c. The injection of nonhazardous boiler chemical cleaning waste is allowed.

TEC Comment 4:

Specific Condition A.5. states “visible emissions shall not exceed 20 percent opacity, except for one two-minute period per hour during which opacity shall not exceed 40 percent.” Under Rule 62-296.405(1)(a), Florida Administrative Code (F.A.C.) , the exception may be either one six-minute period per hour during which the opacity shall not exceed 27 percent or one two-minute period per hour during which opacity shall not exceed 40 percent. Given these two options, TEC requests this condition be changed to:

Visible emissions shall not exceed 20 percent opacity, except for one ~~two-minute~~ ~~six-minute~~ period per hour during which opacity will not exceed ~~40~~ 27 percent.

This preference is consistent with the information presented on the Visible Emissions Information sheets for Emissions Units 1 through 6 in the Hookers Point Station Title V Air Operation Permit application.

TEC Comment 5:

Specific Condition A.13. states that the permittee elected to demonstrate sulfur dioxide (SO<sub>2</sub>) emission compliance using fuel sampling and analysis. Since submittal of the Title V Air Operation Permit application for Hookers Point Station, TEC has further evaluated the technical feasibility of demonstrating SO<sub>2</sub> emission compliance using fuel sampling and analysis. Based on this analysis, TEC has decided not to use fuel sampling and analysis to demonstrate SO<sub>2</sub> emission compliance. Therefore, TEC requests that this condition be eliminated or changed to require EPA test methods be used annually to demonstrate SO<sub>2</sub> emission compliance.

Consistent with this compliance method, TEC requests the following changes to other specific permit conditions:

- Delete the second sentence in Specific Condition A.9.
- Amend Specific Condition A.18. to eliminate any reference to an alternate sampling procedure.
- Delete Specific Condition A.19.
- Add a new specific condition that eliminates the requirement for an annual SO<sub>2</sub> compliance test for these emissions units while burning only liquid fuels for less than 400 hours per year.

TEC Comment 6:

Specific Condition A.15. mandates DEP Method 9 as the visible emissions test method. TEC included EPA Method 9 as the visible emissions test method in the Hookers Point Station Title V Air Operation Permit application. TEC requests EPA Method 9 be restored as the visible emissions compliance demonstration test method.

Consistent with the existing operation permits for Hookers Point Station, TEC requests the following statement be added to Specific Condition A.15.:

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.

TEC Comment 7:

Consistent with the existing operation permits for Hookers Point Station, TEC requests the following statement be added to Specific Condition A.20.:

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.

TEC Comment 8:

Specific Condition A.25. contains a numbering error. Specific Condition A.25.(a) includes subparagraphs 2. through 5., 9., and 10. Either these subparagraphs are misnumbered or some subparagraphs are missing. In addition, subparagraph 5. is a duplicate of Specific Condition A.27. and should be deleted.

TEC Comment 9:

TEC requests that Specific Condition A.29. be deleted. Specific Condition A.29. erroneously cites Rule 62-296.405(1)(g), F.A.C., as an applicable requirement. This rule requires quarterly excess emission reporting for those emissions units required to install, calibrate, operate, and maintain continuous monitoring systems per Rule 62-296.405(f), F.A.C. The Hookers Point Station emissions units are oil-fired units which meet the applicable visible emission limiting standard without the use of control equipment. Therefore, these emission units are exempt from the continuous opacity monitoring requirement under Rule 62-296.405(f)1.a.(i), F.A.C. The quarterly reporting requirement of Rule 62-296.405(1)(g), F.A.C., is not applicable because because continuous opacity monitoring is not required.

TEC notes that opacity monitors have been installed and are calibrated, operated, and maintained per the Title IV Acid Rain rules. TEC will continue to submitted quarterly excess emission reports for the Hookers Point Station emissions units as a courtesy.



## **Appendix E, List of Exempt Emissions Units and/or Activities**

### **TEC Comment 10:**

Consistent with the Hookers Point Title V Air Operation Permit application and Chapter 63-213.430(6), F.A.C., TEC requests that the following activities be added to the list of Exempt Emissions Units and/or Activities:

- Parts cleaning and degreasing stations.
- Architectural (equipment) maintenance painting.
- No. 2, No.6, and used oil barge and truck unloading.

## **Appendix TV-1, Title V Conditions (version dated 02/27/97)**

### **TEC Comment 11:**

TEC notes that Appendix TV-1 Condition 17. is a duplicate of Appendix TV-1 Condition 55. and should be deleted.

### **TEC Comment 12:**

To remove any potential ambiguity regarding applicability of the permit shield to Hookers Point Station, TEC requests that the first sentence of TV-1 Condition 52. be revised as follows:

Except as provided in Chapter 62-213, F.A.C., compliance with the terms and conditions of ~~a permit issued pursuant to Chapter 62-213, F.A.C., Permit No. 0570038-001-AV~~ shall be deemed compliance with any applicable requirements in effect as of the date of permit issuance, ~~provided that the source included such applicable requirements in the permit application.~~

### **TEC Comment 13:**

TEC requests the Appendix TV-1 Condition 56. be deleted. Hookers Point Station has no refrigeration equipment subject to 40 CFR 82 requirements.

### **TEC Comment 14:**

TEC requests that Appendix TV-1 Condition 58. be deleted. This condition is unnecessary and potentially confusing because Facility-wide Condition 7. is applicable to the same activities.

TEC Comment 15:

TEC requests that the following condition be added to TV-1 to allow for the addition of insignificant activities consistent with Rule 62-213.430(6), F.A.C.

**55. Exemption for Emission Units or Pollutant-Emitting Activities**

- (a) All requests for exemption of emission units or activities made pursuant to Rule 62-213.420(3)(m), F.A.C., shall be processed in conjunction with the permit, permit renewal, or permit revision application submitted pursuant to Chapter 62-213, F.A.C. Exemptions shall be approved by the Department consistent with the provisions of Rule 62-4.040(1)(b), F.A.C. Emission units or activities which are added to a Title V source after issuance of a permit under Chapter 62-213 shall be incorporated into the permit at its next renewal, provided such emissions units or activities have been exempted from the requirement to obtain an air construction permit and also qualify for exemption from permitting pursuant to Chapter 62-213, F.A.C.
- (b) No exemption shall be granted to any emissions unit or activity if:
1. Such unit or activity would be subject to any unit-specific applicable requirement;
  2. Such unit or activity, in combination with other units and activities proposed for exemption, would cause the facility to exceed any major source threshold(s) as defined in Rule 62-213.420(3)(c)1., F.A.C., unless it is acknowledged in the permit application that such units or activities would cause the facility to exceed such threshold(s); or
  3. Such unit or activity would emit or have the potential to emit:
    - a. 500 pounds per year or more of lead or lead compounds expressed as lead;
    - b. 1,000 pounds per year or more of any hazardous air pollutant;
    - c. 2,500 pounds per year or more of total hazardous air pollutants; or
    - d. 5.0 tons per year or more of any other regulated pollutant.

[Rule 62-231.430(6), F.A.C.]

### **Table 1-1, Summary of Air Pollutant Standards and Terms**

#### **TEC Comment 16:**

TEC understands that Table 1-1 is not a part of Permit No. 0570038-001-AV. However, TEC requests that Table 1-1 be updated to reflect TEC's comments and any other changes made to the final permit.

### **Table 2-1, Summary of Compliance Requirements**

#### **TEC Comment 17:**

TEC understands that Table 2-1 is not a part of Permit No. 0570038-001-AV. However, TEC requests that Table 2-1 be updated to reflect TEC's comments and any other changes made to the final permit. In addition, TEC requests that the Frequency Base Date for SO<sub>2</sub>, PM, and VE be changed to August 8. Because the Hookers Point Emissions Units are peaking units that operate most frequently during the summer months, an August 8 Frequency Base Date provides greater flexibility in scheduling the annual compliance tests.

Date: 10/20/97 10:24:19 AM  
From: Elizabeth Walker TAL  
Subject: New and Updated postings  
To: See Below

There are some new postings available on the Florida Website.

UTILITY BOARD OF THE CITY OF KEY WEST  
Stock Island 0870003001AV Draft

FLORIDA POWER & LIGHT 0250003001AV(Fossil) Draft  
Turkey Point 0250003002AV(Nuclear) Draft

INDIAN RIVER PLANT  
ORLANDO UTILITY COMMISSION 0090008001AV Draft

Also, there were some updates to the following information on our website:

TECO  
HOOKERS POINT STATION 0570038001AV Draft

If you have any questions, please let me know

Thanks  
Elizabeth

To: adams yolanda  
To: pierce carla  
To: Barbara Boutwell TAL  
To: Scott Sheplak TAL  
To: Terry Knowles TAL  
To: gates kim  
CC: Steve Welsh TAL

-A-

transmitted to  
Terry Knowles

**FLORIDA's Electronic Notification Cover Memorandum**

**TO:** Gracy R. Danois, U.S. EPA Region 4  
**THRU:** Scott M. Sheplak, P.E., Tallahassee Title V Section *SM S/6*  
**FROM:** Steve Welsh, Permit Engineer  
**DATE:** 05/01/97  
**RE:** U.S. EPA Region 4 Title V Operation Permit Review

Pursuant to the 1996 comprehensive Title V operation permit review strategy contained in the Florida/EPA Implementation Agreement, the following Title V operation permit(s) and associated documents are made available for your review/comment prior to issuance.

<u>Applicant Name</u>	<u>County</u>	<u>Method of Transmittal</u>	<u>Electronic File Name(s)</u>
Tampa Electric Co.- Hookers Point	Hillsborough	INTERNET	0570038.zip

This zipped file contains the following electronic files:

0570038s.doc  
0570038i.doc  
0570038d.doc  
0570038l.xls  
05700382.xls  
0570038e.doc  
0570038h.doc  
0570038m.doc

0570038d.epa

## Permit Application Summary Form

### State of Florida

#### General Facility Information

Facility name: Tampa Electric Company - Hookers Point Station

AIRS ID: 0570038

Facility address: P.O. Box 111

Tampa, FL 33601-0111

SIC code of major product: 49, 49

Date application received: June 15, 1996

Permit number: 0570038-001-AV

County: Hillsborough

#### Application Type/Permit Activity

☒ Initial issuance

☐ Permit modification

☐ Permit renewal

☐ General permit

☐ Conditional major

#### Facility Emissions SummaryTable

Pollutant	Potential (tpy)
PM	1536
SO <sub>2</sub>	13519
NO <sub>x</sub>	
CO	377
VOC	
LEAD	
HAP $\geq$ 10 tpy (by CAS)	

#### Compliance Summary

☐ [N] Source is out of compliance (Y or N)

☒ [X] Compliance certification signed

☐ [ ] Compliance schedule included

#### Applicable Requirements list

☐ [ ] PSD

☐ [ ] NSPS

☒ [X] Other: RACT (PM)

☒ [X] SIP

☐ [ ] NESHAPS

#### Miscellaneous

☒ [X] Acid rain source

☒ [X] Facility subject to 112(r)

☐ [ ] Facility applied for federally enforceable emissions cap

☒ [X] Facility provided terms for alternative operating scenarios

☐ [ ] One or more emissions unit(s) subject to a MACT standard

☐ [ ] One or more emissions unit(s) requested case-by-case 112(g) or (j) determination

☐ [ ] Application proposes new control technology

☒ [X] Certified by responsible official

☒ [X] Diagrams or drawings included

☐ [ ] Confidential business information was received

## Permit Review Strategy Checklist

### State of Florida

Facility Name: Tampa Electric Company - Hookers Point Station PERMIT NO.: 0570038-001-AV  
AIRS I.D.: 0570038 COUNTY: Hillsborough

Is this submittal being made in response to Section V of the Implementation Agreement? ☒ Yes ☐ No  
If yes, complete the following:

EPA PERMIT REVIEW STRATEGY - check all categories that apply.

- ☐ 1. Any source specifically requested by the permit agency.
- ☐ 2. At least one VOC source, one PM source, and one NOx source with respective pollutant emissions in the 90th percentile or higher (ranked annually by permit agency).
- ☐ 3. All municipal waste combustors subject to permitting under section 129(e) of the Clean Air Act.
- ☐ 4. All sources proposing an alternative emission limitation, test method, monitoring requirement, or recordkeeping requirement.
- ☒ 5. The first two (2) sources subject to the Phase II requirements under the Title IV acid rain program.
- ☐ 6. The first (1st) source subject to each MACT standard. The permit agency does not need to submit source information for the same MACT standard in ensuing calendar years, unless specifically requested.
- ☐ 7. All sources subject to case-by-case MACT under 112(g); and, the first source in a source category subject to case-by-case MACT under 112(j).
- ☐ 8. All sources associated with the early reduction program (40 CFR part 63, subpart D).
- ☐ 9. Submitted in response to special request by EPA Region 4.

INFORMATION ATTACHED - paper copies of permit-related documents. Indicate all that apply.

- ☐ 1. Complete permit application (including attachments) and proposed permit.
- ☐ 2. Permit-related information (e.g., public notices, public comments) requested by EPA.
- ☐ 3. Initial permit application (including attachments) from source proposing an alternative emission limitation, test method, monitoring requirement, or recordkeeping requirement, will be submitted. The initial permit application must be submitted within 10 days of receipt from source.

BEST AVAILABLE COPY

STATE OF FLORIDA, DEP, BUREAU OF AIR REGULATION, TITLE V SECTION  
TELEPHONE CONVERSATION RECORD

TO: F-14

FROM: SCOTT SHEPLAK *ms*

DATE: 05/24/97 TIME: ~3:15pm

WITH: Ms Janice Taylor

REPRESENTING: TEC - Hockers Point, DRAFT Title V Permit No. 0570038-001-AV

TELEPHONE NO.: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

Intent to Issue, Public Notice

SUMMARY: Incidentally, we left Janice Taylor off of "cc" list. Janice Taylor asked that she be added to those persons to receive copies by certified mail. She advised that ~~she~~ she is person responsible for tracking etc, and the rest of the electric utilities operate in a similar fashion w/ an application contact.

She plans to publish the Public Notice on June 4. I informed that I would accept receipt date for Intent w/ Public Notice is May 6.

6/10/97 - Steve Walsh copied & to update ARMS.



STATE OF FLORIDA, DEP, BUREAU OF AIR REGULATION, TITLE V SECTION  
TELEPHONE CONVERSATION RECORD

TO: File

FROM: SCOTT SHEPLAK *gms*

DATE: 05/24/97 TIME: ~3:15pm

WITH: Ms Janice Taylor

REPRESENTING: TEC - Hooker Point, DRAFT Title V Permit No.:  
0570038-001-AV

TELEPHONE NO.: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

Intent to Issue, Public Notice

SUMMARY: Inadvertently, we left Janice Taylor  
off of "cc" list. Janice Taylor asked that she be  
added to those persons to receive copies by certified  
mail. She advised that ~~she~~ she is person responsible  
for tracking, etc., and the rest of the electric  
utilities operate in a similar fashion w/ an  
application contact.

She plans to publish the Public Notice on June 4.  
I informed that I would accept receipt date for Intent  
w/ Public Notice is May 6.

## 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



# 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?

Mr. John T. Duff  
November 7, 1996  
Page 2 of 2


Responsible Official (R.O.) Certification Statement: Rule 62-213.420, F.A.C., requires that all Title V permit applications must be certified by a responsible official. Due to the nature of the information requested above, your response should be certified by the responsible official. Please complete and submit a new R.O. certification statement page from the new long application form, DEP Form No. 62-210.900, effective March 21, 1996 (enclosed).

Professional Engineer (P.E.) Certification Statement: Rule 62-4.050(3), F.A.C., requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. As a result, your response above should be certified by a professional engineer registered in the State of Florida. Please complete and submit a new P.E. certification statement page from the new long application form, DEP Form No. 62-210.900, effective March 21, 1996 (enclosed).

The Department must receive a response from you within 90 (ninety) days of receipt of this letter, unless you (the applicant) request additional time under Rule 62-213.420(1)(b)6., F.A.C. A copy of your response should be sent to Mr. Richard Kirby at the Hillsborough County Environmental Protection Commission (EPCHC).

If you should have any questions, please call Steve Welsh or me at 904/488-1344.

Sincerely,



for John C. Brown, Jr., P.E.  
Administrator  
Title V Section

JCB/sw

Enclosures

copy to:

Ms. Janice Taylor, Tampa Electric Company  
Mr. Thomas W. Davis, P.E., Environmental Consulting & Technology, Inc.  
Mr. Richard Kirby, EPCHC

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 General Manager</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>  <div style="display: flex; justify-content: space-between;"><div>_____ Signature</div><div>_____ Date</div></div>

\* 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  
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FAX (813) 272-5157

AIR MANAGEMENT DIVISION  
TELEPHONE (813) 272-5530

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**

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

**EXECUTIVE DIRECTOR**

ROGER P. STEWART



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TELEPHONE (813) 272-5788

WETLANDS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7104

**MEMORANDUM**

**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

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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: *RR* 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

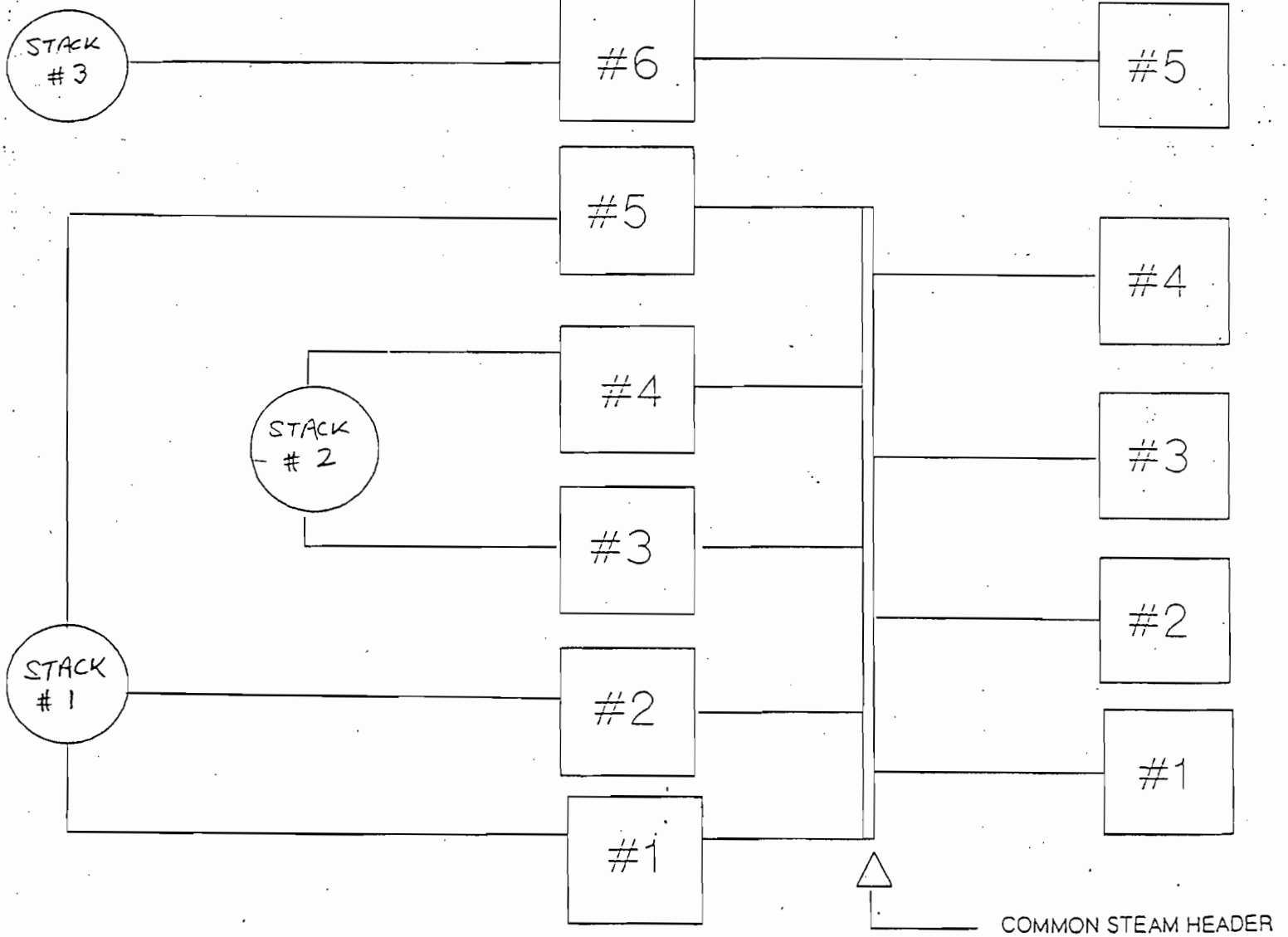


# TECO HOOKER'S POINT STATION

STACKS

BOILERS

GENERATORS



# BEST AVAILABLE COPY

§ 279.12

40 CFR Ch. I (7-1-95 Edition)

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 shipboard 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.

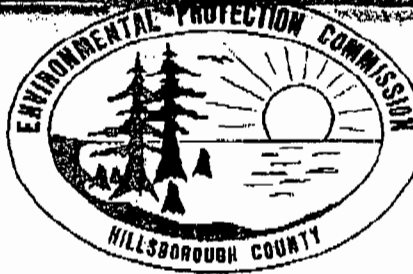
(3) *Diesel fuel.* Mixtures of used oil and diesel fuel mixed by the generator of the used oil for use in the generator's own vehicles are not subject to this part once the used oil and diesel fuel have been mixed. Prior to mixing, the used oil fuel is subject to the requirements of this subpart.

(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 CHILLURA  
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  
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ECOSYSTEMS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7104

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*

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

813-623-5561

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.

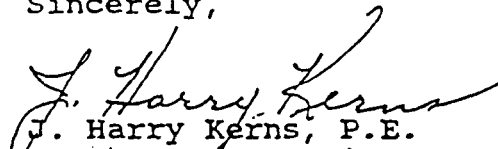
Tampa Electric Company  
Tampa, FL 33601-0111

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Page Three

Executed in Tampa, Florida

Sincerely,

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

JHK/SKW/bm

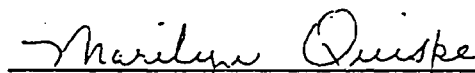
Attachment:

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

12/14/91

## PERMITTEE:

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

## PERMIT/CERTIFICATION

Permit No: A029-203001  
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.: A029-125685

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

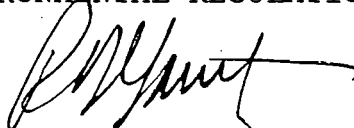
Inspect burners and clean as necessary.  
Inspect burner tips and replace as necessary.

- 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.]

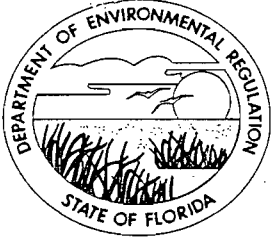
11. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.700(2)(a)9. and 17-2.820(5), F.A.C.] *See amendment dated 2/6/92.*

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

RECEIVED

DEC 19 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.

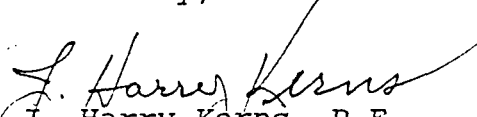
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of 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  $\text{SO}_2$  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.: AO29-203000  
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.

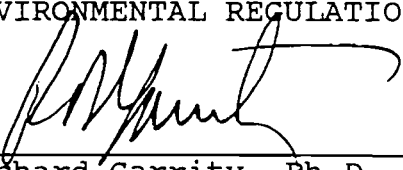
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

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

E.P.C. OF N.O.  
AIR PROGRAM  
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.: AO29-202999  
County: Hillsborough

Enclosed is Permit Number AO29-202999 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.

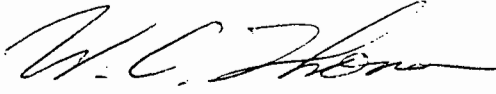
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of 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

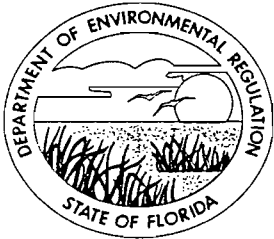
CERTIFICATE OF SERVICE

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: AO29-202999  
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:

4/1/99  
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.: AO29-125687

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.

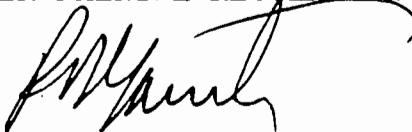
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

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

RECEIVED

DEC 19 1991

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

E.P.C. OF W.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.

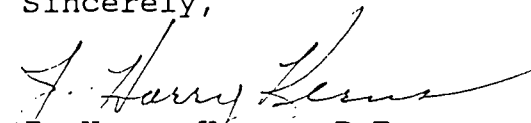
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of 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

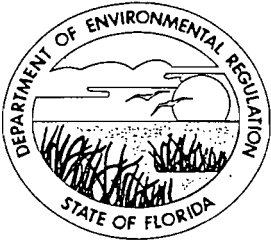
CERTIFICATE OF SERVICE

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.

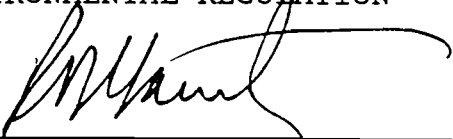
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

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 M. Browner, Secretary

RECEIVED

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.: AO29-202997  
County: Hillsborough

Enclosed is Permit Number AO29-202997 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*  
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

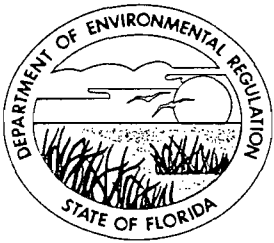
CERTIFICATE OF SERVICE

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.

*Marlene Quispe*  
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.: AO29-202997  
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.

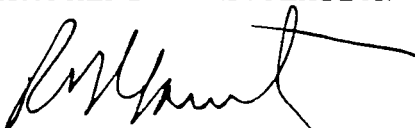
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

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.]

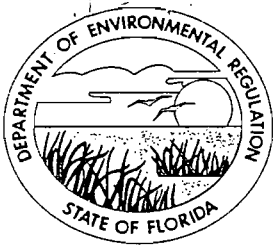
*See Amendment dated 2/6/92.*

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 J. Browner, Secretary

RECEIVED

DEC 19 1991

EPD 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

DER File No.: A029-203002  
County: Hillsborough

Unit #6

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*  
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

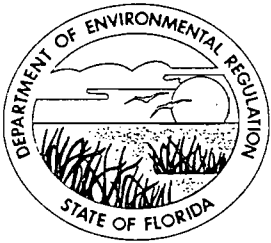
CERTIFICATE OF SERVICE

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.

*Therese Quispe*  
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: A029-203002  
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.: A029-125691

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.

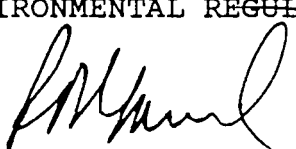
- C. Records of inspection, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or the Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

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