



TAMPA ELECTRIC

November 18, 2002

Ms. Trina Vielhauer
Bureau Chief
Florida Department of
Environmental Protection
111 S. Magnolia Drive, Suite 23
Tallahassee, Florida 32301

Via FedEx
Airbill No. 7901 4212 0674

**Re: Tampa Electric Company
Change in Responsible Officials/Alternate
Responsible Officials at Big Bend Station,
F.J. Gannon Station/Bayside Power Station,
Polk Power Station, Hookers Point Station**

Dear Ms. Vielhauer:

Tampa Electric Company has made personnel changes at our Big Bend Station, Hookers Point Station and F.J. Gannon Station/Bayside Power Station. The following changes took effect on November 15, 2002. Please note that we have also assigned alternate Responsible Officials at these facilities, including Polk Power Station. Please find below the names of Tampa Electric Company's Responsible Officials for each of these power plants:

Karen A. Sheffield
Wade A. Maye
Joseph M. Wiley
Mark J. Hornick

Big Bend Station
F.J. Gannon Station/Bayside Power Station
Hookers Point Station
Polk Power Station

If you have any questions please call Laurie Pence or me at 641-5060.

Sincerely,

Laura R. Crouch
Manager – Air Programs
Environmental Affairs

EA\bm\LAB145

c: Jerry Campbell, EPCHC
Alice Harmon, EPCHC
Jerry Kissell, FDEP – SW
Al Linero, FDEP
Buck Oven, FDEP
Scott Sheplak, FDEP

TAMPA ELECTRIC COMPANY
P.O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

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

CUSTOMER SERVICE:
HILLSBOROUGH COUNTY (813) 223-0800



Department of Environmental Protection

Division of Air Resource Management

RESPONSIBLE OFFICIAL NOTIFICATION FORM

Note: A responsible official is not necessarily a designated representative under the Acid Rain Program. To become a designated representative, submit a certificate of representation to the U.S. Environmental Protection Agency (EPA) in accordance with 40 CFR Part 72.24.

Identification of Facility

1. Facility Owner/Company Name: Tampa Electric Company	
2. Site Name: Big Bend Station	3. County: Hillsborough
4. Title V Air Operation Permit/Project No. (leave blank for initial Title V applications): 0570039-010-AV	

Notification Type (Check one or more)

<input type="checkbox"/> INITIAL:	Notification of responsible officials for an initial Title V application.
<input type="checkbox"/> RENEWAL:	Notification of responsible officials for a renewal Title V application.
<input checked="" type="checkbox"/> CHANGE:	Notification of change in responsible official(s).
Effective date of change in responsible official(s) <u>11/15/2002</u>	

Primary Responsible Official

1. Name and Position Title of Responsible Official: <u>Karen A. Sheffield</u>	
2. Responsible Official Mailing Address: Tampa Electric Company Organization/Firm: Big Bend Station Street Address: 6944 U.S. Highway 41 City: Apollo Beach State: Florida Zip Code: 33572-9200	
3. Responsible Official Telephone Numbers: Telephone: (813) 641-5060 Fax: (813) 641-5081	
4. Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.	
5. Responsible Official Statement: <i>I, the undersigned, am a responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this notification. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, I certify that I have authority over the decisions of all other responsible officials, if any, for purposes of Title V permitting.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"><u>Karen A. Sheffield</u> Signature</div> <div style="width: 45%;"><u>11/05/02</u> Date</div> </div>	

Additional Responsible Official

1. Name and Position Title of Responsible Official: Gregory M. Nelson, Designated Acid Rain Representative
2. Responsible Official Mailing Address: Tampa Electric Company Organization/Firm: Environmental Affairs Street Address: 6944 U.S. Highway 41 City: Apollo Beach State: Florida Zip Code: 33572-9200
3. Responsible Official Telephone Numbers: Telephone: (813) 641-5060 Fax: (813) 641 - 5081
4. Responsible Official Qualification (<i>Check one or more of the following options, as applicable</i>): <input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input checked="" type="checkbox"/> The designated representative at an Acid Rain source.

Additional Responsible Official

1. Name and Position Title of Responsible Official: Laura R. Crouch, Manager - Air Programs
2. Responsible Official Mailing Address: Tampa Electric Company Organization/Firm: Environmental Affairs Street Address: 6944 U.S. Highway 41 City: Apollo Beach State: Florida Zip Code: 33572-9200
3. Responsible Official Telephone Numbers: Telephone: (813) 641 - 5060 Fax: (813) 641 - 5081
4. Responsible Official Qualification (<i>Check one or more of the following options, as applicable</i>): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.



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Emission Report by Facility

Data for this Report is One Day Old Production Data.

Facility ID: 0570039

Number of Emission Units: 38

Owner/Company Name: TAMPA ELECTRIC COMPANY

Site Name: BIG BEND STATION

City: APOLLO BEACH

Office: SWHI

County: HILLSBOROUGH

Status: ACTIVE

Compliance Tracking Code: A

SIC: 4911

Type: STEAM ELECTRIC PLANT

PSD: Y

PPS: Y

NSPS: Y

NESHAP: Y

Title V Source: Y

Syn Non-Title V Source:

Major of HAPS: Y

Major of Non-HAP Pollutants: Y

Syn Minor of HAPS:

Syn Minor of Non-HAP Pollutants:

Pollutant	Poten(TPY)	Cap(TPY)	Actual(TPY) 2002	Actual(TPY) 2001
CO	3,024.0000		976.1757	1,032.9102
H001	.0000			
H004	.0000			
H006	.0000			
H014	.0000			
H015	.0000			
H017	.0000			
H020	.0000			
H021	.0000			
H022	.0000			
H023	.0000			
H025	.0000			
H027	.0000			
H032	.0000			
H040	.0000			
H041	.0000			
H043	.0000			
H046	.0000			
H047	.0000			
H053	.0000			
H054	.0000			
H058	.0000			
H076	.0000			
H079	.0000			
H085	.0000			
H087	.0000			
H088	.0000			
H089	.0000			
H095	.0000			
H104	.0000			
H106	.0000			
H107	.0000			
H109	.0000			
H110	.0000			
H113	.0000			
H114	.0000			
H117	.0000			
H118	.0000			
H119	.0000			
H120	.0000			
H121	.0000			
H125	.0000			
H126	.0000			
H128	.0000			
H132	.0000			
H133	.0000			

H144	.0000		
H148	.0000		
H151	.0000		
H154	.0000		
H162	.0000		
H163	.0000		
H165	.0000		
H167	.0000		
H169	.0000		
H182	.0000		
H186	.0000		
HAPS	.0000		
NOX	82,622.0000	28,975.7300	24,847.0900
PB	.0000	.8195	.8698
PM	7,592.0800	1,574.3756	3,035.7925
PM10	.0000	1,550.2880	3,034.3961
SO2	364,177.5000	11,667.9800	13,645.6800
VOC	585.0000	77.9496	98.1068

Report Totals:

Pollutant	Office	County	Actual(TPY) 2002
CO	SWHI	HILLSBOROUGH	976.1757
H001	SWHI	HILLSBOROUGH	
H004	SWHI	HILLSBOROUGH	
H006	SWHI	HILLSBOROUGH	
H014	SWHI	HILLSBOROUGH	
H015	SWHI	HILLSBOROUGH	
H017	SWHI	HILLSBOROUGH	
H020	SWHI	HILLSBOROUGH	
H021	SWHI	HILLSBOROUGH	
H022	SWHI	HILLSBOROUGH	
H023	SWHI	HILLSBOROUGH	
H025	SWHI	HILLSBOROUGH	
H027	SWHI	HILLSBOROUGH	
H032	SWHI	HILLSBOROUGH	
H040	SWHI	HILLSBOROUGH	
H041	SWHI	HILLSBOROUGH	
H043	SWHI	HILLSBOROUGH	
H046	SWHI	HILLSBOROUGH	
H047	SWHI	HILLSBOROUGH	
H053	SWHI	HILLSBOROUGH	
H054	SWHI	HILLSBOROUGH	
H058	SWHI	HILLSBOROUGH	
H076	SWHI	HILLSBOROUGH	
H079	SWHI	HILLSBOROUGH	
H085	SWHI	HILLSBOROUGH	
H087	SWHI	HILLSBOROUGH	
H088	SWHI	HILLSBOROUGH	
H089	SWHI	HILLSBOROUGH	
H095	SWHI	HILLSBOROUGH	
H104	SWHI	HILLSBOROUGH	
H106	SWHI	HILLSBOROUGH	
H107	SWHI	HILLSBOROUGH	
H109	SWHI	HILLSBOROUGH	
H110	SWHI	HILLSBOROUGH	
H113	SWHI	HILLSBOROUGH	
H114	SWHI	HILLSBOROUGH	
H117	SWHI	HILLSBOROUGH	
H118	SWHI	HILLSBOROUGH	
H119	SWHI	HILLSBOROUGH	
H120	SWHI	HILLSBOROUGH	
H121	SWHI	HILLSBOROUGH	
H125	SWHI	HILLSBOROUGH	
H126	SWHI	HILLSBOROUGH	
H128	SWHI	HILLSBOROUGH	

H132	SWHI	HILLSBOROUGH	
H133	SWHI	HILLSBOROUGH	
H144	SWHI	HILLSBOROUGH	
H148	SWHI	HILLSBOROUGH	
H151	SWHI	HILLSBOROUGH	
H154	SWHI	HILLSBOROUGH	
H162	SWHI	HILLSBOROUGH	
H163	SWHI	HILLSBOROUGH	
H165	SWHI	HILLSBOROUGH	
H167	SWHI	HILLSBOROUGH	
H169	SWHI	HILLSBOROUGH	
H182	SWHI	HILLSBOROUGH	
H186	SWHI	HILLSBOROUGH	
HAPS	SWHI	HILLSBOROUGH	
NOX	SWHI	HILLSBOROUGH	28,975.7300
PB	SWHI	HILLSBOROUGH	.8195
PM	SWHI	HILLSBOROUGH	1,574.3756
PM10	SWHI	HILLSBOROUGH	1,550.2880
SO2	SWHI	HILLSBOROUGH	11,667.9800
VOC	SWHI	HILLSBOROUGH	77.9496

Number of Facilities Selected: 1

You entered the following criteria:

Airs ID = 0570039

Year = 2002

Order By = Owner/Company Name, Facility ID

Report Run Date: 2/4/2004


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Emission Report by Facility

Data for this Report is One Day Old Production Data.

Facility ID: 0570039

Number of Emission Units: 38

Owner/Company Name: TAMPA ELECTRIC COMPANY

Site Name: BIG BEND STATION

City: APOLLO BEACH

Office: SWHI

County: HILLSBOROUGH

Status: ACTIVE

Compliance Tracking Code: A

SIC: 4911

Type: STEAM ELECTRIC PLANT

PSD: Y

PPS: Y

NSPS: Y

NESHAP: Y

Title V Source: Y

Syn Non-Title V Source:
Major of HAPS: Y

Major of Non-HAP Pollutants: Y

Syn Minor of HAPS:
Syn Minor of Non-HAP Pollutants:

Pollutant	Poten(TPY)	Cap(TPY)	Actual(TPY) 2000	Actual(TPY) 1999
CO	3,024.0000		1,159.2438	1,048.7189
H001	.0000		1.3146	1.1557
H004	.0000		.0346	.0304
H006	.0000		.6687	.5880
H014	.0000		.0415	.0370
H015	.0000		.9459	.8321
H017	.0000		2.9976	2.6358
H020	.0000		1.6141	1.4192
H021	.0000		.0487	.0430
H022	.0000		.0039	.0034
H023	.0000		.1683	.1480
H025	.0000		.0927	.0791
H027	.0000		.1188	.1057
H032	.0000		.2998	.2637
H040	.0000		.0161	.0142
H041	.0000		.0507	.0446
H043	.0000		.1360	.1196
H046	.0000		.6071	.5401
H047	.0000		.2381	.2027
H053	.0000		.0122	.0107
H054	.0000		5.7646	5.0687
H058	.0000		.0000	.0000
H076	.0000		.1107	.0974
H079	.0000		.0006	.0005
H085	.0000		.2167	.1906
H087	.0000		.0968	.0851
H088	.0000		.0028	.0024
H089	.0000		.0922	.0811
H095	.0000		.5534	.5705
H104	.0000		.1545	.1358
H106	.0000		2,766.9000	2,432.9694
H107	.0000		345.9000	304.1212
H109	.0000		1.3374	1.1760
H110	.0000			
H113	.0000		1.1315	.9961
H114	.0000		.1917	.1689
H117	.0000		.3689	.3244
H118	.0000		1.2221	1.0745
H119	.0000		.0461	.0405
H120	.0000		.8993	.7908
H121	.0000		.3920	.3447
H125	.0000		.0461	.0405
H126	.0000		.0807	.0755
H128	.0000		.6687	.5880
H132	.0000		.0300	.0263
H133	.0000		.6477	.5711

H144	.0000	.0369	.0325
H148	.0000	.0000	.0000
H151	.0000	.0023	.0052
H154	.0000	.8762	.7704
H162	.0000	2.9976	2.6357
H163	.0000	.0576	.0507
H165	.0000	.0000	.0000
H167	.0000	.0992	.0871
H169	.0000	.5534	.4865
H182	.0000	.0175	.0155
H186	.0000	.0853	.0750
HAPS	.0000		
NOX	82,622.0000	34,781.3200	30,518.1161
PB	.0000	30.6732	53.9348
PM	7,592.0800	3,246.8081	3,524.1444
PM10	.0000	3,245.2581	3,523.2945
SO2	364,177.5000	48,397.7200	95,744.8438
VOC	585.0000	92.6748	91.3593

Report Totals:

Pollutant	Office	County	Actual(TPY) 2000
CO	SWHI	HILLSBOROUGH	1,159.2438
H001	SWHI	HILLSBOROUGH	1.3146
H004	SWHI	HILLSBOROUGH	.0346
H006	SWHI	HILLSBOROUGH	.6687
H014	SWHI	HILLSBOROUGH	.0415
H015	SWHI	HILLSBOROUGH	.9459
H017	SWHI	HILLSBOROUGH	2.9976
H020	SWHI	HILLSBOROUGH	1.6141
H021	SWHI	HILLSBOROUGH	.0487
H022	SWHI	HILLSBOROUGH	.0039
H023	SWHI	HILLSBOROUGH	.1683
H025	SWHI	HILLSBOROUGH	.0927
H027	SWHI	HILLSBOROUGH	.1188
H032	SWHI	HILLSBOROUGH	.2998
H040	SWHI	HILLSBOROUGH	.0161
H041	SWHI	HILLSBOROUGH	.0507
H043	SWHI	HILLSBOROUGH	.1360
H046	SWHI	HILLSBOROUGH	.6071
H047	SWHI	HILLSBOROUGH	.2381
H053	SWHI	HILLSBOROUGH	.0122
H054	SWHI	HILLSBOROUGH	5.7646
H058	SWHI	HILLSBOROUGH	.0000
H076	SWHI	HILLSBOROUGH	.1107
H079	SWHI	HILLSBOROUGH	.0006
H085	SWHI	HILLSBOROUGH	.2167
H087	SWHI	HILLSBOROUGH	.0968
H088	SWHI	HILLSBOROUGH	.0028
H089	SWHI	HILLSBOROUGH	.0922
H095	SWHI	HILLSBOROUGH	.5534
H104	SWHI	HILLSBOROUGH	.1545
H106	SWHI	HILLSBOROUGH	2,766.9000
H107	SWHI	HILLSBOROUGH	345.9000
H109	SWHI	HILLSBOROUGH	1.3374
H110	SWHI	HILLSBOROUGH	
H113	SWHI	HILLSBOROUGH	1.1315
H114	SWHI	HILLSBOROUGH	.1917
H117	SWHI	HILLSBOROUGH	.3689
H118	SWHI	HILLSBOROUGH	1.2221
H119	SWHI	HILLSBOROUGH	.0461
H120	SWHI	HILLSBOROUGH	.8993
H121	SWHI	HILLSBOROUGH	.3920
H125	SWHI	HILLSBOROUGH	.0461
H126	SWHI	HILLSBOROUGH	.0807
H128	SWHI	HILLSBOROUGH	.6687

M132	SWHI	HILLSBOROUGH	.0300
H133	SWHI	HILLSBOROUGH	.6477
H144	SWHI	HILLSBOROUGH	.0369
H148	SWHI	HILLSBOROUGH	.0000
H151	SWHI	HILLSBOROUGH	.0023
H154	SWHI	HILLSBOROUGH	.8762
H162	SWHI	HILLSBOROUGH	2.9976
H163	SWHI	HILLSBOROUGH	.0576
H165	SWHI	HILLSBOROUGH	.0000
H167	SWHI	HILLSBOROUGH	.0992
H169	SWHI	HILLSBOROUGH	.5534
H182	SWHI	HILLSBOROUGH	.0175
H186	SWHI	HILLSBOROUGH	.0853
HAPS	SWHI	HILLSBOROUGH	
NOX	SWHI	HILLSBOROUGH	34,781.3200
PB	SWHI	HILLSBOROUGH	30.6732
PM	SWHI	HILLSBOROUGH	3,246.8081
PM10	SWHI	HILLSBOROUGH	3,245.2581
SO2	SWHI	HILLSBOROUGH	48,397.7200
VOC	SWHI	HILLSBOROUGH	92.6748

Number of Facilities Selected: 1

You entered the following criteria:

Airs ID = 0570039

Year = 2000

Order By = Owner/Company Name, Facility ID

Report Run Date: 2/4/2004

Appendix I-1: List of Insignificant Emissions Units and/or Activities

Tampa Electric Company
Big Bend Station
Page 1 of 2

DRAFT Title V Operation Permit Revision No.: 0570039-015-AV
Facility ID No.: 0570039

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Full Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining whether a facility containing such emissions units or activities would be subject to any applicable requirements. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., are also exempt from the permitting requirements of Chapter 62-213, F.A.C., provided such emissions units and activities also meet the exemption criteria of Rule 62-213.430(6)(b), F.A.C. The below listed emissions units and/or activities are hereby exempt pursuant to Rule 62-213.430(6), F.A.C.

Brief Description of Emissions Units and/or Activities

1. Internal combustion engines in boats, aircraft and vehicles used for transportation of passengers or freight.
2. Cold storage refrigeration equipment, except for any such equipment located at a Title V source using an ozone-depleting substance regulated under 40 CFR Part 82.
3. Vacuum pumps in laboratory operations.
4. Equipment used for steam cleaning.
5. Belt or drum sanders having a total sanding surface of five square feet or less and other equipment used exclusively on wood or plastics or their products having a density of 20 pounds per cubic foot or more.
6. Equipment used exclusively for space heating, other than boilers.
7. Laboratory equipment used exclusively for chemical or physical analyses.
8. Brazing, soldering or welding equipment.
9. One or more emergency generators located within a single facility provided:
 - a. None of the emergency generators is subject to the Federal Acid Rain Program; and
 - b. Total fuel consumption by all such emergency generators within the facility is limited to 32,000 gallons per year of diesel fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.
10. One or more heating units and general purpose internal combustion engines located within a single facility provided:
 - a. None of the heating units or general purpose internal combustion engines is subject to the Federal Acid Rain Program; and
 - b. Total fuel consumption by all such heating units and general purpose internal combustion engines within the facility is limited to 32,000 gallons per year of diesel fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.
11. Fire and safety equipment.

Appendix I-1: List of Insignificant Emissions Units and/or Activities

Tampa Electric Company
Big Bend Station
Page 2 of 2

DRAFT Title V Operation Permit Revision No.: 0570039-015-AV
Facility ID No.: 0570039

13. Degreasing units using heavier-than-air vapors exclusively, except any such unit using or emitting any substance classified as a hazardous air pollutant.

Note: 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 and 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 62-213.430(6), F.A.C.]

Appendix U-1: List of Unregulated Emissions Units and Activities

Tampa Electric Company
Big Bend Station

DRAFT Title V Operation Permit Revision No.: 0570039-015-AV
Facility ID No.: 0570039

Unregulated Emissions Units and/or Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘exempt emissions units’.

E.U. ID

<u>No.</u>	<u>Brief Description of Emissions Units and/or Activities</u>
-036	Slag and bottom ash sources BH-001 through BH-004
	Gypsum handling and storage sources GH-001 through GH-017
	No. 2 Fuel Oil Storage Tanks > 550 gallons
	Vehicle Refueling Operations
	Turbine Vapor Extractor

March 16, 2004

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

Ms. Karen A. Sheffield
General Manager
Big Bend Station
Tampa Electric Company
6944 US HWY 41
Apollo Beach, FL 33572-9200

Re: Title V Air Operation Permit Revision
Permit Project No.: 0570039-015-AV
Big Bend Station

Dear Ms. Sheffield:

The Department received your request to revision the Big Bend Station Title V Operation Permit on January 16, 2004. Though these requested permit condition revisions may seem minor in nature, some of these permit conditions are contained in air construction permits and can not be revised in the Title V Operation Permit without also (concurrently) revising the construction permits. For this reason, in order for the Department to continue processing this Title V permit revision request, you will need to resubmit page 2 of the application form (and the RO and PE certification pages) to state that the Purpose of the Application is to obtain an "Air construction permit and Title V permit revision, incorporating the proposed project."

Your application cover letter stated, "As TEC determines additional corrections may be useful, a separate permit modification request will be submitted." However, in order to minimize the number of times Big Bend's Title V permit is reopened, if there are any other changes you have become aware of since this application was submitted, that you would like to incorporate in this current permitting project, please also submit that information at this time. For instance, Shelly Castro has indicated that you would like to add a pugmill for Fly Ash Silo #2. If so, please submit this request as an addition to this current project and a revised marked-up version of the "Descriptions" in Subsection D of the permit.

Please also, in regards to requested Permit Change No. 20, submit a copy of the proposed June 6, 2003 modifications to Unit 4 Conditions of Certification to delete the requirement for coal washing.

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. Permit applicants are advised that Rule 62-4.055(1), F.A.C. requires applicants to respond to requests for information within 90 days.

If you have any questions regarding this request for additional information, please contact me at Cindy.Phillips@dep.state.fl.us or 850/921-9534.

Sincerely,

Cindy L. Phillips, P.E.
Bureau of Air Regulation

March 16, 2004

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

Ms. Karen A. Sheffield
General Manager
Big Bend Station
Tampa Electric Company
6944 US HWY 41
Apollo Beach, FL 33572-9200

Re: Title V Air Operation Permit Revision
Permit Project No.: 0570039-015-AV
Big Bend Station

Dear Ms. Sheffield:

The Department received your request to revise the Big Bend Station Title V Operation Permit on January 16, 2004. Though these requested permit condition revisions may seem minor in nature, some of these permit conditions are contained in air construction permits and can not be revised in the Title V Operation Permit without also (concurrently) revising the construction permits. For this reason, in order for the Department to continue processing this Title V permit revision request, you will need to resubmit page 2 of the application form (and the R.O. certification page) to state that the Purpose of the Application is to obtain an "Air construction permit and Title V permit revision, incorporating the proposed project."

The application cover letter stated, "As TEC determines additional corrections may be useful, a separate permit modification request will be submitted." However, in order to minimize the number of times Big Bend's Title V permit is reopened, if there are any other changes you have become aware of since this application was submitted, and that you would like to incorporate in this current permitting project, please also submit that information at this time. For instance, Shelly Castro has indicated that you would like to add a pugmill for Fly Ash Silo #2. If so, please submit this request as an addition to this current project with a revised marked-up version of the "Descriptions" in Subsection D of the permit.

Please also, in regards to requested Permit Change No. 20, submit a copy of "the proposed June 6, 2003 modifications to Unit 4 Conditions of Certification to delete the requirement for coal washing."

Ms. Karen A. Sheffield
Tampa Electric Company
March 16, 2004
Page 2 of 2

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. Permit applicants are advised that Rule 62-4.055(1), F.A.C. requires applicants to respond to requests for information within 90 days.

If you have any questions regarding this request for additional information, please contact me at Cindy.Phillips@dep.state.fl.us or 850/921-9534.

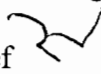
Sincerely,


Cindy L. Phillips, P.E.
Bureau of Air Regulation

Florida Department of
Environmental Protection

Memorandum

To: Michael G. Cooke, Director
Division of Air Resource Management

Through: Trina L. Vielhauer, Chief 
Bureau of Air Regulation

From: Cindy L. Phillips, P.E. 

Re: Tampa Electric Company
Big Bend Station
0570039-016-AC

Date: November 16, 2004

This air construction permit is to establish the deletion of redundant conditions, and the clarification of process descriptions and specific conditions, as applicable Title V Operation Permit descriptions and conditions.

These deletions and clarifications were also made in the proposed Title V Operation Permit Revision/Renewal which was posted yesterday, after the applicant withdrew their Enlargement of Time to file a petition for formal administrative proceedings.

I recommend that you sign this final air construction permit.



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

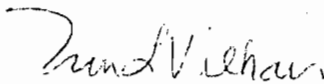
Ms. Karen Sheffield
General Manager, Big Bend Station
Tampa Electric Company
P. O. Box 111
Tampa, Florida 33601-0111

FINAL Title V Permit No.: 0570039-016-AC
Big Bend Station

Enclosed is FINAL Permit Number 0570039-016-AC for the Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County, issued pursuant to Chapter 403, Florida Statutes (F.S.).

Any party to this order (permit) has the right to seek judicial review of the permit 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 permitting authority in the Legal Office; 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 (thirty) days from the date this Notice is filed with the Clerk of the permitting authority.

Executed in Tallahassee, Florida.


Trina L. Vielhauer
Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (*) and copies were mailed by U.S. Mail or electronic mail before the close of business on 11/23/04 to the persons listed or as otherwise noted:

Karen Sheffield, R.O., TEC*
Gregory Nelson, D.R., TEC
Raiza Calderon, TEC
Thomas W. Davis, P.E., ECT
Alice Harman, EPCHC
Jason Waters, SWD
Buck Oven, DEP Siting Coordination Office

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) 11/23/04
(Date)

"More Protection, Less Process"

Printed on recycled paper.

FINAL PERMIT DETERMINATION

I. COMMENTS

The Public Notice of Intent was published in the Tampa Tribune on October 14, 2004. No public comments were received for this project during the 30-day public comment period which ended on November 13, 2004.

The applicant requested, and was given, a revision to the following Facility Description found in Section I. Subsection A:

From: Overview of the facility's operation:

Solid fuel is unloaded from ship/barge into the solid fuel yard, ~~the blending bins~~ or directly to the tripper room via belt conveyors. Solid fuel from the piles is loaded onto belt conveyors using a rail mounted or mobile reclaimer. The solid fuel is then belt conveyed to the blending ~~bins~~ tower, which consists of six storage bins, where the solid ~~fuel may be~~ is blended for use at the plant, or transloaded into trucks for shipment off site. ~~From the solid fuel yard conveyors, the solid fuel is screw conveyed into the bins.~~ Particulate matter (PM) emissions from the conveyors in the solid fuel yard ~~blending bins~~ are controlled by ~~3 4~~ rotoclones, ~~one at the conveyor drop and one for every 2 bins.~~ ~~PM emissions from the screw conveyor are controlled by the fourth rotoclone.~~ ~~Storage bins can either~~ Each has 2 ~~hoppers, which~~ feed the transloader, or ~~solid fuel can be~~ are conveyed, via 2 parallel belts (T1, T2) to 2 crushers (each belt has a crusher), or diverted directly to the tripper room. PM emissions from the 2 crushers and transfer tower are controlled by 2 rotoclones.

To: Overview of the facility's operation:

Solid fuel is unloaded from ship/barge into the solid fuel yard, ~~the blending bins~~ or directly to the tripper room via belt conveyors. Solid fuel from the piles is loaded onto belt conveyors using a rail mounted or mobile reclaimer. The solid fuel is then belt conveyed to the blending ~~bins~~ tower, which consists of six storage bins, where the solid ~~fuel may be~~ is blended for use at the plant, or transloaded into trucks for shipment off site. ~~From the solid fuel yard conveyors, the solid fuel is screw conveyed into the bins.~~ Particulate matter (PM) emissions from the conveyors in the solid fuel yard ~~blending bins~~ are controlled by ~~3 4~~ rotoclones, ~~one at the conveyor drop and one for every 2 bins.~~ ~~PM emissions from the screw conveyor are controlled by the fourth rotoclone.~~ ~~Blending bins can either~~ Each has 2 ~~hoppers, which~~ feed the transloader, or ~~solid fuel can be~~ are conveyed, via 2 parallel belts (T1, T2) to 2 crushers (each belt has a crusher), or diverted directly to the tripper room. PM emissions from the 2 crushers and transfer tower are controlled by 2 rotoclones.

The applicant requested, and was given, a revision to the following condition:

From: III.D.10. Compliance testing for the silo and tanker truck loading operations shall be conducted under the following conditions:

- a. All conveyance hoppers will be operational during the test.
- b. All fly ash will be directed to the silo, no reinjection of fly ash to the boiler systems will occur during the test.
- c. The boilers shall operate at the maximum capability of this unit under normal operating conditions during the test.
- d. Two tanker trucks shall be loaded during the test. The loading valve shall be ~~completely open to allow 90%-100% of the maximum loading rate during testing filling. The loading valve position shall be calibrated, and the position of the valve during testing shall be recorded.~~
- e. The visible emission test shall be at least 30 minutes in duration and the period of time during which truck loading occurred indicated on the test report.

[Rules 62-4.070(3) and 62-297.310, F.A.C.]

To: III.D.10. Compliance testing for the silo and tanker truck loading operations shall be conducted under the following conditions:

- a. All conveyance hoppers will be operational during the test.
- b. All fly ash will be directed to the silo, no reinjection of fly ash to the boiler systems will occur during the test.
- c. The boilers shall operate at the maximum capability of this unit under normal operating conditions during the test.
- d. Two tanker trucks shall be loaded during the test. The loading valve shall be completely open to allow 90%-100% of the maximum loading rate during testing filling. The position of the valve during testing shall be recorded.
- e. The visible emission test shall be at least 30 minutes in duration and the period of time during which truck loading occurred indicated on the test report.

[Rules 62-4.070(3) and 62-297.310, F.A.C.].

The applicant requested, and was given, a revision to the following Description found in Section III. Subsection H:

From:

Solid fuel is unloaded from ship/barge into the solid fuel yard, the blending bins or directly to the tripper room via belt conveyors. Solid fuel from the piles is loaded onto belt conveyors using a rail mounted or mobile reclaimer. The solid fuel is then belt conveyed to the blending bins tower, which consists of six storage bins, where the solid fuel may be is blended for use at the plant, or transloaded into trucks for shipment off site. From the solid fuel yard conveyors, the solid fuel is screw conveyed into the bins. Particulate matter (PM) emissions from the conveyors in the solid fuel yard blending bins are controlled by 3 4 rotoclones, one at the conveyor drop and one for every 2 bins. PM emissions from the screw conveyor are controlled by the fourth rotoclone. Storage bins can either Each has 2 hoppers, which feed the transloader, or solid fuel can be are conveyed, via 2 parallel belts (T1, T2) to 2 crushers (each belt has a crusher), or diverted directly to the tripper room. PM emissions from the 2 crushers and transfer tower are controlled by 2 rotoclones.

To:

Solid fuel is unloaded from ship/barge into the solid fuel yard, the blending bins or directly to the tripper room via belt conveyors. Solid fuel from the piles is loaded onto belt conveyors using a rail mounted or mobile reclaimer. The solid fuel is then belt conveyed to the blending bins tower, which consists of six storage bins, where the solid fuel may be is blended for use at the plant, or transloaded into trucks for shipment off site. From the solid fuel yard conveyors, the solid fuel is screw conveyed into the bins. Particulate matter (PM) emissions from the conveyors in the solid fuel yard blending bins are controlled by 3 4 rotoclones, one at the conveyor drop and one for every 2 bins. PM emissions from the screw conveyor are controlled by the fourth rotoclone. Blending bins can either Each has 2 hoppers, which feed the transloader, or solid fuel can be are conveyed, via 2 parallel belts (T1, T2) to 2 crushers (each belt has a crusher), or diverted directly to the tripper room. PM emissions from the 2 crushers and transfer tower are controlled by 2 rotoclones.

II. CONCLUSION

In conclusion, the Department hereby issues the FINAL permit as drafted with the minor changes as noted above.



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

PERMITTEE:

Tampa Electric Company
Big Bend Station
PO Box 111
Tampa, Florida 33601-0111

Permit No.	0570039-016-AC
Project:	Deletion of Redundant Conditions and Clarification of Process Descriptions
SIC:	4911
Expires:	December 31, 2004

Authorized Representative:
Karen Sheffield, General Manager
Big Bend Station

PROJECT AND LOCATION:

This air construction permit is to establish the deletion of redundant conditions, and the clarification of process descriptions and conditions as applicable Title V Operation Permit descriptions and conditions.

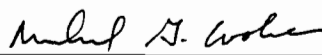
The Tampa Electric Company (TEC) Big Bend Station is located at Big Bend Road, North Ruskin, Hillsborough County. UTM coordinates are Zone 17; 361.9 km E; 3075.0 km N.

STATEMENT OF BASIS:

This air construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The above named permittee is authorized to construct/operate the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

Attached appendices made a part of this permit:

Appendix GC Construction Permit General Conditions


Michael G. Cooke, Director
Division of Air Resource
Management

SECTION I. GENERAL INFORMATION

FACILITY DESCRIPTION

This facility is an electric utility.

TEC Big Bend is a nominal 2,028 MW electric generation facility. This facility consists of four steam boilers (Units Nos. 1 through 4); four steam turbines; three simple-cycle combustion turbines (CT Nos. 1, 2, and 3); solid fuels, fly ash, limestone, gypsum, slag, and bottom ash storage and handling facilities, and fuel oil storage tanks. Units No. 1, 2, 3, and 4 have nominal maximum heat inputs of 4037, 3996, 4115 and 4330 million BTU per hour, respectively. Units No. 1 through 4 are fired with coal and with petcoke in a mixture with coal up to 20.0% petcoke/80.0% coal (by weight), or a coal blended with coal residual generated from the Polk Power Station, or a coal/petroleum coke blend further blended with coal residual generated from the Polk Power Station. The combustion turbines are fired with No. 2 distillate fuel oil. In addition, there is a ship surface coating operation.

EMISSIONS UNITS

This permit revision addresses the following emissions units:

EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION
001	Unit No. 1 Steam Generator
002	Unit No. 2 Steam Generator
003	Unit No. 3 Steam Generator
004	Unit No. 4 Steam Generator
008	Fly Ash Silo No. 1 Baghouse
018	Fly Ash Silo No. 1 Truck Loadout
009	Fly Ash Silo No. 2 Baghouse
019	Fly Ash Silo No. 2 Truck Loadout
026	Fly Ash Handling and Storage Fugitive Emissions (all except silos)
014	Fly Ash Silo No. 3 Baghouse
027	Fly Ash Silo No. 3 Truck Loadout
028	Fly Ash Handling System Fugitive Emissions
011	Truck/Railcar Limestone Unloading Receiving Hopper with baghouse
024	Limestone Handling Conveyor LE to South Storage Silo with baghouse, Limestone Handling Conveyor LE to North Storage Silo with baghouse
039	Unit No. 4 Coal Bunker with Roto-Clone
029	Cyclone collectors for fuel blending bins (FH-032 through FH-035)
030	Cyclone collectors for fuel crushers (FH-048 and FH-049)
031	Cyclone collectors for bunkers (FH-059 through FH-062)

REGULATORY CLASSIFICATION

Because potential emissions of at least one regulated pollutant exceed 100 tons per year, the existing facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C. Regulated pollutants include pollutants such as carbon monoxide (CO), nitrogen oxides (NO_x), particulate matter (PM/PM₁₀), sulfur dioxide (SO₂), and volatile organic compounds (VOC).

The existing facility is major source of hazardous air pollutants (HAPs).

The facility operates emissions units subject to the acid rain provisions of the Clean Air Act.

The facility is considered a "fossil fuel fired steam electric plant of more than 250 million BTU per hour of heat input", which is one of the 28 PSD source categories with the lower PSD applicability threshold of 100 tons per

SECTION I. GENERAL INFORMATION

year. Potential emissions of at least one regulated pollutant exceed 100 tons per year. Therefore, the facility is classified as a PSD-major source of air pollution with respect to Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) of Air Quality.

Unit 4 was certified pursuant Electrical Power Plant Siting in accordance with Chapter 62-17, F.A.C. and Chapter 403, Part II, F.S.

This facility is classified as a "Major Source of Air Pollution or Title V Source" due to emissions of at least one regulated air pollutant, such as sulfur dioxide, that exceeds 100 tons per year.

RELEVANT DOCUMENTS

- Construction Permit Application 0570039-016-AC received May 18, 2004.
- Title V Air Operation Permit Revision Application No. 0570039-015-AV received on January 16, 2004.

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

1. Permitting Authority: All documents related to applications for permits to construct or modify an emissions unit should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (FDEP), at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 and phone number (850)488-0114.
2. Compliance Authority: All documents related to operation, reports, tests, and notifications should be submitted to the Environmental Protection Commission of Hillsborough County (EPC) at

Environmental Protection Commission
of Hillsborough County
1410 North 21 Street
Tampa, Florida 33605
Telephone: 813/272-5530
Fax: 813/272-5605
3. General Conditions: The owner and operator is subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
4. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
5. Forms and Application Procedures: The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. [Rule 62-210.900, F.A.C.]
6. Modifications: The permittee shall give written notification to the Department when there is any modification to this facility. This notice shall be submitted sufficiently in advance of any critical date involved to allow sufficient time for review, discussion, and revision of plans, if necessary. Such notice shall include, but not be limited to, information describing the precise nature of the change; modifications to any emission control system; production capacity of the facility before and after the change; and the anticipated completion date of the change. [Chapters 62-210 and 62-212, F.A.C.]
7. New or Additional Conditions: Pursuant to Rule 62-4.080, F.A.C., for good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
8. Completion of Construction: The permit expiration date is December 31, 2004.
9. Permit Expiration Date Extension: The permittee, for good cause, may request that this permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (Rule 62-4.080, F.A.C.).
10. Application for Title V Permit Revision: Concurrent processing of Air Construction Permit Application and Title V Permit Revision.
11. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

12. Operating Procedures: Operating procedures shall include good operating practices and proper training of all operators and supervisors. The good operating practices shall meet the guidelines and procedures as established by the equipment manufacturers. All plant operators (including supervisors) of air pollution control devices shall be properly trained in plant specific equipment. [Rule 62-4.070(3), F.A.C.]
13. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without the applicable air control device operating properly. [Rule 62-210.650, F.A.C.]
14. Unconfined Particulate Matter Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]
15. Test Notification: The permittee shall notify each Compliance Authority in writing at least 30 days prior to any initial performance tests and at least 15 days prior to any other required tests. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and conducting the test. [Rule 62-297.310(7)(a)9., F.A.C. and 40 CFR 60.7, 60.8]
16. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
17. Applicable Test Procedures
 - a. Required Sampling Time. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. The minimum observation period for a visible emissions compliance test shall be sixty (60) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)1. and 2., F.A.C.]
 - b. Minimum Sample Volume. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet. [Rule 62-297.310(4)(b), F.A.C.]
 - c. Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C. [Rule 62-297.310(4)(d), F.A.C.]
18. Determination of Process Variables
 - a. Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. [Rule 62-297.310(5)(a), F.A.C.]
 - b. Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value. [Rule 62-297.310(5)(b), F.A.C.]

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

19. Special Compliance Tests: When the Department, or EPC, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]
20. Stack Testing Facilities: Required stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C. [Rule 62-297.310]
21. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2)(b), F.A.C.]
22. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department, or EPC, upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]
23. Emissions Performance Test Results Reports: A report indicating the results of any required emissions performance test shall be submitted to each Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.]
24. Annual Operating Reports: The permittee is required to submit annual reports on the actual operating rates and emissions from this facility. Annual operating reports shall be sent to the Environmental Protection Commission of Hillsborough County by March 1st of each year. [Rule 62-210.370(2), F.A.C.]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

The following descriptions and specific conditions established in the initial Title V Air Operation Permit No. 0570039-002-AV, and the previous Title V Air Operation Permit Revisions Nos. 0570039-010-AV and 0570039-013-AV; and included in the Proposed Title V Air Operation Permit Revision/Renewal No. 0570039-017-AV; are changed as follows. Additions are highlighted, and deletions are shown by strikethroughs:

I. Subsection A. Facility Description.

Overview of the facility's operation:

Solid fuel is unloaded from ship/barge into the solid fuel yard, the blending bins or directly to the tripper room via belt conveyors. Solid fuel from the piles is loaded onto belt conveyors using a rail mounted or mobile reclaimer. The solid fuel is then belt conveyed to the blending bins tower, which consists of six storage bins, where the solid fuel may be blended for use at the plant, or transloaded into trucks for shipment off site. ~~From the solid fuel yard conveyors, the solid fuel is screw conveyed into the bins.~~ Particulate matter (PM) emissions from the conveyors in the solid fuel yard blending bins are controlled by 3 4 rotocones, one at the conveyor drop and one for every 2 bins. ~~PM emissions from the screw conveyor are controlled by the fourth rotocone. Blending bins can either~~ Each has 2 hoppers, which feed the transloader, or solid fuel can be are conveyed, via 2 parallel belts (T1, T2) to 2 crushers (each belt has a crusher), or diverted directly to the tripper room. PM emissions from the 2 crushers and transfer tower are controlled by 2 rotocones.

From the tripper room solid fuel yard, ~~the solid fuel is conveyed to the tripper room where~~ 2 trippers bunker the solid fuels into 4 solid fuel bunkers. Each unit has its own respective bunker. Solid fuel samples are taken every 15 minutes during bunkering, and composited for analysis. From the bunkers, the solid fuel is gravity fed into 14 crushers mills, and then gravity fed into the boilers. There are 3 ball mills tall crushers, each for Unit Nos. 1 - 3, and 5 bowl mills crushers for Unit No. 4. From the mills crushers, the solid fuel is pneumatically fed into classifiers, two for each mill on Unit Nos. 1-3 and one for each mill on Unit No. 4 crusher for a total of 238 classifiers, and then into the respective boilers.

PM emissions from Boiler Nos. 1- ~~43~~ are controlled by individual Electrostatic Precipitators (ESPs). Unit Nos. 1-4 ~~PM emissions are controlled by an ESP, and the~~ SO₂ emissions are controlled by an FGD scrubber systems. When Unit Nos. 1-3 burns petroleum coke, the exhaust gases, following particulate matter removal by the units' ESPs, will be routed to the inlet of the Unit No. 4 flue gas desulfurization (FGD) system scrubber. In the this integrated mode, Unit No. 3 will meet the same sulfur dioxide emissions limitations as Unit No. 4. The FGD scrubber will continue to treat the exhaust gas from Unit No. 4. The FGD scrubber outlet stream, consisting of the combined Unit No. 3 and Unit No. 4 treated exhaust, will then be split and discharged through stacks CS002 and CS003.

Fly ash from Units No. 1 and No. 2 is vented into Fly Ash Silo #1 which is controlled by a baghouse. Fly ash from Unit No. 3 is vented into Silo #2, which can also receive fly ash from Units No. 1 and 2, while fly ash from Unit No. 4 is vented into Silo #3. The fly ash from each silo is then loaded into trucks and transported off site, while the bottom ash from Unit No. 4 is conveyed across Big Bend Road south of the Big Bend facility to a settling pond. Each fly ash silo is controlled by a baghouse.

The byproduct gypsum is conveyed to the east side of the plant for dewatering diverting and transporting off site. Limestone is unloaded to an underground hopper conveyor belt system to the limestone storage building on the east side of the by-product gypsum area. Particulate matter emissions from the limestone trucks unloading is controlled by a baghouse. From the storage building, limestone is belt conveyed into 2-3 storage silos and then gravity fed into the mill room. ~~Two~~ Three rotary mills grind the limestone and mix it with water to form a slurry that is stored in 2 3 storage tanks for use in the FGD. The slurry is then pumped to the 4 reaction tanks of Units 1-4 scrubbers that are located directly south of and adjacent to the absorption towers of the FGD scrubber. Gypsum is sold and transported offsite and can be stored south of Big Bend Road prior to offsite removal. ~~Most of the by-product gypsum is wallboard grade, however, gypsum that is produced during start-up, shutdown or upset conditions is de-watered and belt conveyed across the street to the southeast of the plant for drying and transportation off site.~~

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

There are 3-combustion turbines (CT) manufactured by Westinghouse. They are all fired on No. 2 fuel oil. Unit CT No. 1 is near the plant and Unit CT Nos. 2 and 3 are on the north side of the property. There is a large No. 2 fuel oil storage tank near Unit CT Nos. 2 and 3 and a small day tank near Unit CT No. 1.

I. Subsection B.

- 026 Fly Ash Handling and Storage Fugitive Emissions from Unit Nos. 1-3 (all except silos)
- 028 Fly Ash Handling System Fugitive Emissions from Unit No. 4.
- 039 Unit No. 4 Coal Bunker
- 024 Limestone Handling Conveyor LE to South Storage Silo with Baghouse
- 031 Cyclone collectors for bunkers (FH-059 through FH-062)

II.4. Prevention of Accidental Releases (Section 112(r) of CAA).

a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center

Post Office Box 3346
Merrifield, VA 22116-3346
Telephone: 703/816-4434
P.O. Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018

and,

b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C. [40 CFR 68]

III.A.2. b. Other operation:

i. In addition to the fuels allowed to be burned during normal operation, each unit may also burn new No. 2 fuel during startup, shutdown, flame stabilization, and during the start of a mill on an already operating unit.

ii. Evaporation of up to 150,000 gallons per year, total at the facility, is allowed of non-hazardous, but potentially HAP-emitting, mineral acid solution boiler chemical cleaning waste which was generated on site.

III.A.16. Petcoke Sulfur Content: Until January 1, 2006; The owner or operator shall measure the sulfur content of representative samples of all petcoke received using appropriate ASTM methods to demonstrate compliance with the sulfur content limit of this permit. [Permit Nos. 0570039-003-AC & 0570039-004-AC]

III.A.26. [Deletion of obsolete petcoke fuel sulfur content recordkeeping condition after 2005. SO₂ emissions are measured directly using continuous monitoring systems (CEMS), however, the permittee must submit on an annual basis through 2005, data demonstrating that removal of the sulfur content limit in the petroleum coke fired did not result in a significant increase in the representative actual annual emission of any regulated pollutant. (See Specific Condition III.A.2.)]

III.A.26. Records of Petcoke Sulfur Content: Until January 1, 2006; The owner or operator shall maintain records of petcoke sampling and analysis results performed as required by Specific Condition A.16. of this section. [Rule 62-4.070(3), F.A.C., and permit nos. 0570039-003-AC & 0570039-004-AC]

III.A.29. For Unit Nos. 1-3, gravimetric instrument data verifying that the 20.0% maximum petroleum coke content by weight has not been exceeded shall be maintained for two years and submitted to the Department and the EPCHC with each annual operating report. Also to be maintained and available for inspection shall be a record

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

of operation showing the date, fuel used, mode of operation (integrated/non-integrated), and the duration of all startups, shutdowns and malfunctions. [Rule 62-4.070(3), F.A.C.]

III. Subsection B. Description.

As an option, Unit No. 3 exhaust gas, following particulate matter removal by the unit's ESP, will be routed to the inlet of the Unit No. 4 flue gas desulfurization (FGD) system scrubber. In this integrated mode, Unit No. 3 will meet the same sulfur dioxide emissions limitations as Unit No. 4. The FGD scrubber will continue to treat the exhaust gas from Unit No. 4. The FGD scrubber outlet stream, consisting of the combined Unit No. 3 and Unit No. 4 treated exhaust, will then be split and discharged through stacks CS002 and CS003. Stack CS002 does *not* include a recirculation duct to return exhaust gas to the inlet of the FGD scrubber. Continuous opacity monitoring systems (COMS) will be located at the outlet of Unit No. 3 and Unit No. 4 ESPs. Continuous SO₂ and CO₂ emissions monitoring systems (CEMS) will be located in stacks CS002 and CS003. Continuous NO_x emissions monitoring systems (CEMS) will be located in the inlet ducts of each unit. These monitoring systems will be used to determine compliance with all current applicable requirements.

III.B.2. Methods of Operation - Fuels.

a. Normal operation: The fuel fired in Unit No. 4 shall consist of coal, or a coal/petroleum coke blend containing a maximum of 20% petroleum coke by weight, or coal blended with coal residual generated from the Polk Power Station, or a coal/petroleum coke blend further blended with coal residual generated from the Polk Power Station. In any case, the petroleum coke content of any fuel blend shall not exceed 20% by weight. The vanadium content of the petroleum coke fired shall not exceed 2660 ppm vanadium. The ash content of the petroleum coke fired shall not exceed 0.76% by weight on a dry basis. The permittee shall maintain and submit to the Department, and to the Environmental Protection Commission of Hillsborough County, on an annual basis for the years 2001, 2002, 2003, 2004, and 2005 data demonstrating that removal of the sulfur content limit and the revision of the vanadium content limit in the petroleum coke fired did not result in a significant increase in the representative actual annual emissions of any regulated pollutant.

b. Other operation:

i. In addition to the fuels allowed to be burned during normal operation, Unit No. 4 may also burn new No. 2 fuel during startup, shutdown, flame stabilization and during the start of an additional solid fuel ~~mill pulverizer~~ on an already operating unit.

ii. Evaporation of up to 150,000 gallons per year, total at the facility, is allowed of non-hazardous, but potentially HAP-emitting, mineral acid solution boiler chemical cleaning waste which was generated on site.

c. Coal shall not be burned in Unit No. 4 unless both the electrostatic precipitator and limestone scrubber are operating properly.

d. ~~[Reserved] Coal burned in Unit No. 4 shall be washed before it is transported to the plant site. TEC shall maintain records of all coal washing and preparation activities for any coal which is to be fired in Big Bend Unit No. 4. These reports shall be submitted to the Department on a quarterly basis.~~

e. TEC shall maintain a daily log of the amounts and types of fuels used and copies of fuel analyses containing information on sulfur content, ash content and heating values.

f. Beneficiated, or refined, coal residual: The total amount of beneficiated, or refined, coal residual fired at Big Bend Station (all Unit Nos. 1-4 combined) shall be limited to 500 tons per day. The beneficiated, or refined, coal residual results from using the beneficiated process, described in permit application 0570039-012-AC, to wash and screen the raw coal residual to remove fines and oversized materials. This beneficiation process shall be performed at Polk Power Station, not Big Bend Station.

g. Raw coal residual: The total amount of raw coal residual fired at Big Bend Station (all Unit Nos. 1-4 combined) shall be limited to 200 tons per day. The raw coal residual is a by-product of the gasification of coal at the Polk Power Station. At the time of the issuance of permit 0570039-012-AC on October 4, 2001, there were approximately 100,000 tons of raw coal residual stored at Polk Power Station. Once this raw coal residual pile has been fired, TEC shall only fire raw coal residual in the event of a significant beneficiation process malfunction. TEC shall document all beneficiation process malfunctions and record the amount of raw coal residual, if any, fired at Big Bend Station. These records should be kept on site at Big Bend and made readily available to the Department and the Environmental Protection Commission of Hillsborough County upon request.

h. No coal residual shall be fired in any Unit when the corresponding scrubber is not in operation.

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

[Rules 62-4.070(3), 62-4.160(2), 62-210.200, and 62-213.440(1), F.A.C.; PSD-FL-040; Power Plant Siting Certification PA 79-12; Permit No. 0570039-012-AC, ~~Permit No. 0570039-016-AC~~]

III. B. 12. During emergency conditions in the principal company, an affected facility with a malfunctioning flue gas desulfurization system may be operated if sulfur dioxide emissions are minimized by:

- (1) Operating all operable flue gas desulfurization system modules, and bringing back into operation any malfunctioned module as soon as repairs are completed,
- (2) Bypassing flue gases around only those flue gas desulfurization system modules that have been taken out of operation because they were incapable of any sulfur dioxide emission reduction or which would have suffered significant physical damage if they had remained in operation, and
- (3) Operating a *spare* flue gas desulfurization system module. The Department or EPCHC may at their discretion require TEC within 60 days of notification to demonstrate spare module capability. To demonstrate this capability, the owner or operator must demonstrate compliance with the appropriate requirements of specific conditions ~~B.5. and B.7.~~ for any period of operation lasting from 24 hours to 30 days when:
 - (i) Any one flue gas desulfurization module is not operated,
 - (ii) The affected facility is operating at the maximum heat input rate,
 - (iii) The fuel fired during the 24-hour to 30-day period is representative of the type and average sulfur content of fuel used over a typical 30-day period, and
 - (iv) TEC has given the Department or EPCHC at least 30 days notice of the date and period of time over which the demonstration will be performed.

[Rule 62-204.800(7)(b)2., F.A.C.; 40 CFR 60.46a(d)]

III.B.19. TEC shall calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the oxygen and/or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. The sulfur dioxide, nitrogen dioxide, oxygen and/or carbon dioxide, and opacity monitoring devices shall meet the applicable requirements of Section 62-214, F.A.C., 40 CFR 60.47a., and 40 CFR 75.). The opacity monitor shall be placed in the duct work between the electrostatic precipitator and the FGD scrubber. ~~When Units 3 and 4 are operating in the integrated mode (Unit 3 flue gases routed through the Unit 4 FGD system),~~ the continuous monitoring system will measure sulfur dioxide emissions at the inlet of each unit and outlet of the Unit 4 FGD system and from the Unit 3 stack (CS002) and Unit 4 stack (CS003), while emissions of nitrogen oxides, oxygen and/or carbon dioxide, and opacity shall be measured in the Units 3 and 4 ducts prior to the FGD system. When Unit 4 is operating and Unit 3 is not operating in the integrated mode, the continuous monitoring system will measure only Unit 4's inlet duct and stack for SO₂ emissions. The emissions of nitrogen oxides and opacity shall be measured in the Unit 4 duct prior to the FGD system. The emissions of carbon dioxide and sulfur dioxide are both measured in the inlet and outlet ducts.

[Rule 62-204.800(7)(b)2., F.A.C.; 40 CFR 60.47a(d); Power Plant Siting Certification PA 79-12D]

III.B.28. TEC shall determine compliance with the SO₂ standards in specific condition B.7. as follows:

(1) The percent of potential SO₂ emissions (%P_s) to the atmosphere shall be computed using the following equation:

$$\%P_s = \frac{(100 - \%R_f)(100 - \%R_g)}{100}$$

where:

- $\%P_s$ = percent of potential SO₂ emissions, percent.
 ~~$\%R_f$ = percent reduction from fuel pretreatment, percent.~~
 $\%R_g$ = percent reduction by SO₂ control system, percent.

(2) ~~[Reserved.] The procedures in Method 19 may be used to determine percent reduction (%R_f) of sulfur by such processes as fuel pretreatment (physical coal cleaning, hydrodesulfurization of fuel oil, etc.), coal pulverizers, and bottom and flyash interactions. This determination is optional.~~

(3) The procedures in Method 19 shall be used to determine the percent SO₂ reduction (%R_g) of any SO₂ control system. Alternatively, a combination of an "as fired" fuel monitor and emission rates measured after the control.

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

system, following the procedures in Method 19, may be used if the percent reduction is calculated using the average emission rate from the SO₂ control device and the average SO₂ input rate from the "as fired" fuel analysis for 30 successive boiler operating days.

(4) The appropriate procedures in Method 19 shall be used to determine the emission rate.

(5) The continuous monitoring systems specified in conditions B.17. and B.19. shall be used to determine the concentrations of SO₂ and CO₂ or O₂.

[Rule 62-204.800(7)(b)2., F.A.C.; 40 CFR 60.48a (c); 40 CFR 60.43a; 40 CFR 60.47a(b) and (d); 40 CFR 60 Appendix A, Method 19; ~~Applicant request, 0570039-016-AC~~]

B.35. [Reserved] If fuel pretreatment credit is claimed toward the sulfur dioxide emission standards in specific condition B.7. TEC shall submit a signed statement:

—(1) Indicating what percentage cleaning credit was taken for the calendar quarter, and whether the credit was determined in accordance with the provisions of specific condition B.28. and Method 19 (Appendix A of 40 CFR 60); and

—(2) Listing the quantity, heat content, and date each pretreated fuel shipment was received during the previous quarter; the name and location of the fuel pretreatment facility; and the total quantity and total heat content of all fuels received at the affected facility during the previous quarter.

[Rule 62-204.800(7)(b)2., F.A.C.; 40 CFR 60.49a(e), 40 CFR 60.48a(e)]

III. Subsection D. Descriptions.

Fly Ash Silo No. 2 handles fly ash from Steam Generator Units Nos. 1, 2, and/or 3. Fly ash is pneumatically conveyed in a series of pipes from the individual unit precipitators (Units 1, 2, and/or 3, only two units at any time) to the silo for temporary storage. ~~Fly ash from Silo No. 2 is discharged in either a wet or dry state.~~ From the silo, the dry fly ash is gravity fed by tubing into closed tanker trucks and transported to an off-site consumer. ~~The wet fly ash is processed through a pugmill and then unloaded into a dump truck to be transported to an off-site consumer.~~ Particulate emissions generated during silo loading operation and from the tanker truck loadout chutes are controlled by a 20,081 DSCFM Flex Kleen, Model No. 84 UDTR-640 baghouse in addition to reasonable precautions.

III.D.1. Capacity. The maximum permitted loading rate for all Fly Ash Silo No. 1 processes combined is 44.5 tons per hour. ~~The maximum permitted loading rate for all Fly Ash Silo No. 2 processes combined is 44.5 tons per hour.~~ For Fly Ash Silo No. 2, the maximum permitted loading rate is the simultaneous maximum transfer of fly ash from boiler Units 1, 2, and 3. Separate testing of emissions from each unit shall be conducted with each emissions unit operation at 90 to 100 percent of the maximum permitted capacity heat input rate. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [AC29-194516; AO29-161082; Rule 62-4.160(2), and Rule 62-297.310(2), F.A.C.]

~~{Permitting note: The material loading limitations have been placed in each permit to identify the capacity of each emissions unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the emissions unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. Regular recordkeeping is not required for material loading. Instead the owner or operator is expected to determine material loading whenever the emission testing is required, to demonstrate at what percentage of the rated capacity that the emissions unit was tested. Rule 62-297.310(5), F.A.C., included in the permit, requires measurement of process variables for emission tests. Material loading demonstrations may be based on best engineering evaluation of the operating requirements necessary to achieve 90 to 100 percent of the rated loading, unless such operating conditions are otherwise specified by permit condition.}~~

III.D.10. Compliance testing for the silo and tanker truck loading operations shall be conducted under the following conditions:

a. All conveyance hoppers will be operational during the test.

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

- b. All fly ash will be directed to the silo, no reinjection of fly ash to the boiler systems will occur during the test.
- c. The boilers shall operate at the maximum capability of this unit under normal operating conditions during the test.
- d. Two tanker trucks shall be loaded during the test. The loading valve shall be completely open to allow 90%-100% of the maximum loading rate during testing filling. The position of the valve during testing shall be recorded.
- e. The visible emission test shall be at least 30 minutes in duration and the period of time during which truck loading occurred indicated on the test report.
[Rules 62-4.070(3) and 62-297.310, F.A.C.]

III. Subsection E. Description.

Fly Ash Silo No. 3 handles fly ash from Steam Generator Unit No. 4. Also, fly ash may be pneumatically conveyed from tanker trucks to Silo No. 3. Particulate matter emissions are controlled by a 1,200 DSCFM Flex Kleen Model 84-WRTC-80-II-G baghouse. The wet flyash may be processed through a pugmill and then unloaded into a dump truck.

III. SUBSECTION F. LIMESTONE HANDLING AND STORAGE

This section addresses the following Regulated Emissions Units:

<u>E.U. ID No.</u>	<u>Brief Description</u>
-011	Truck/Railcar Limestone Unloading Receiving Hopper with baghouse
-012	Limestone Silo A with 2 baghouses
-013	Limestone Silo B with 2 baghouses
-023	Limestone Handling Conveyor LB to Conveyor LC with baghouse, Limestone Handling Conveyor LD to Conveyor LE with baghouse
-024	Limestone Handling Conveyor LE to South Storage Silo with baghouse, Limestone Handling Conveyor LE to North Storage Silo with baghouse
-025	Limestone Storage and Handling Fugitive Emissions

DESCRIPTIONS

~~Particulate matter emissions from the truck and railcar unloading of limestone are controlled by a Mikro-Pulsaire Model 400S12TR baghouse. Particulate matter emissions generated by the transfer of limestone from Handling Conveyor LB to Conveyor LC are controlled by a Sternvent Model DKED18003 baghouse. Particulate matter emissions generated by the transfer of limestone from Handling Conveyor LD to Conveyor LE are controlled by a Sternvent Model DKED 18003 baghouse. Particulate matter emissions generated by the transfer of limestone from Handling Conveyor LE to the South Storage Silo are controlled by a Flex Kleen Model 58-BVBC-36-II-G baghouse. Particulate matter emissions generated by the transfer of limestone from Handling Conveyor LE to the North Storage Silo are controlled by a Flex Kleen Model 58-BVBC-36-II-G baghouse.~~

III. F.1. Total combined particulate matter emissions from the limestone handling hoppers/conveyors shall not exceed 0.65 lb/hr. Visible emissions are limited to 5% opacity. Compliance testing for particulate matter emissions is not required provided the opacity limit is maintained.

[PSD-FL-040; Power Plant Siting Certification PA 79-12]

III.F.4. The limestone handling receiving hopper, conveyor transfer points and silos shall be maintained at negative pressures with the exhaust vented to a control system(s).

[PSD-FL-040]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

Subsection G. Coal Bunkers with Roto-Clones

This section addresses the following Regulated Emissions Units:

<u>E.U. ID No.</u>	<u>Brief Description</u>
-015	Unit No. 1 Coal Bunker with Roto-Clone
-016	Unit No. 2 Coal Bunker with Roto-Clone
-017	Unit No. 3 Coal Bunker with Roto-Clone
-039	Unit No. 4 Coal Bunker with Roto-Clone

Descriptions

These emission units are Steam Generator Units Nos. 1-~~43~~ Coal Bunkers with an exhaust fan/cyclone collector (Roto-Clone) controlling dust emission from each unit's respective bunker. Two moving transfer stations via their respective conveyor belts route coal through enclosed chutes to the various bunkers. Coal Bunkers 1-~~43~~ are each equipped with a 9400 ACFM American Air Filter (AAF) Company Type D Roto-Clone to abate dust emissions during ventilation. A number of vent pipes convey fresh air from each bunker to a Roto-Clone during particulate matter removal. Particulate matter removed by the Roto-Clones is returned to the coal bunkers via a hopper and return line. Unit No. 1 Coal Bunker is situated west of Unit No. 2 Coal Bunker. Unit No. 3 Coal Bunker is situated east of Unit No. 2 Coal Bunker. ~~Unit No. 4 Coal Bunker is located east of Unit No. 3~~

III.G.4.

Since a source of less than 1 TPY is exempt from particulate matter RACT provisions, the maximum allowable particulate emissions shall not exceed 0.99 tons per year from each ~~rotoclone~~ ~~eyelone~~ exhaust. Also maximum allowable particulate matter emissions shall not exceed 0.48 lbs/hr from each cyclone exhaust. [AO29-163788 to escape RACT]

Subsection H. Solid Fuel Yard

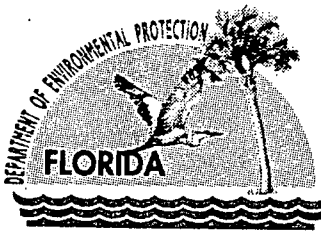
This section addresses the following Regulated Emissions Units:

<u>E.U. ID No.</u>	<u>Brief Description</u>
-010	Solid Fuel Yard, Fugitive Emissions
-029	Cyclone collectors for fuel blending bins (FH-032 through FH-035)
-030	Cyclone collectors for fuel crushers (FH-048 and FH-049)
-034	Cyclone collectors for bunkers (FH-059 through FH-062)

Descriptions

Solid fuel is unloaded from ship/barge into the Solid fuel yard, ~~the blending bins~~ or directly to the tripper room via belt conveyors. Solid fuel from the piles is loaded onto belt conveyors using a rail mounted or mobile reclaimer. The solid fuel is then belt conveyed to the blending ~~bins tower~~, which consists of six storage bins, where the solid ~~fuel may be~~ is blended for use at the plant, or transloaded into trucks for shipment off site. ~~From the solid fuel yard conveyors, the solid fuel is screw conveyed into the bins.~~ Particulate matter (PM) emissions from the conveyors in the ~~blending bins solid fuel yard~~ are controlled by ~~3 4~~ roto clones, ~~one at the conveyor drop, and one for every 2 bins.~~ ~~PM emissions from the screw conveyor are controlled by the fourth rotoclone.~~ ~~Blending bins can either~~ Each has 2 hoppers, which feed the transloader, or ~~can be~~ are conveyed, via 2 parallel belts (T1, T2) to 2 crushers (each belt has a crusher), or diverted directly to the tripper room. PM emissions from the 2 crushers and transfer tower are controlled by 2 roto clones.

From the ~~tripper room solid fuel yard, the solid fuel is conveyed to the tripper room where 2 trippers bunker the solid fuels into 4 solid fuel bunkers.~~ Each unit has its own respective bunker. Solid fuel samples are taken every 15 minutes during bunkering, and composited for analysis. From the bunkers, the solid fuel is gravity fed into 14 ~~mills crushers~~, and then gravity-fed into the boilers. There are 3 ~~ball mills tall crushers~~, each for Unit Nos. 1 - 3, and 5 bowl ~~mills crushers~~ for Unit No. 4. From the ~~mills crushers~~, the solid fuel is pneumatically fed into classifiers, two for each ~~crusher mill on Unit Nos. 1-3 and one for each mill on Unit No. 4~~ for a total of ~~238~~ classifiers, and then into the respective boilers.



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
August 16, 2004

Colleen M. Castille
Secretary

Ms. Karen Sheffield
General Manager
Big Bend Station
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601-0111

Re: Draft Air Construction Permit No.: 0570039-016-AC
DRAFT Title V Air Operation Permit Revision Project No.: 0570039-015-AV
Revision to Title V Air Operation Permit No.: 0570039-013-AV
Big Bend Station

Dear Ms. Sheffield:

One copy of the Technical Evaluation and Preliminary Determination, the combined Public Notice, the Draft Air Construction Permit, and the DRAFT Title V Air Operation Permit Revision for the Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION" are also included.

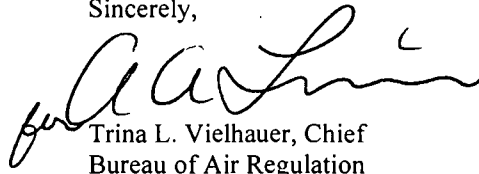
An electronic version of the DRAFT Title V Air Operation Permit Revision has been posted on the Division of Air Resources Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

"<http://www.dep.state.fl.us/air/eproducts/ards/default.asp>"

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION" must be published as soon as possible. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to Rule 62-110.106(11), F.A.C.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Ms. Cindy Phillips, P.E., at the above letterhead address. If you have any questions, please contact Ms. Phillips at 850/921-9534 or Cindy.Phillips@dep.state.fl.us.

Sincerely,



Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/CLP
Enclosures
U.S. EPA, Region 4 (INTERNET E-mail)

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an
Application for Permits by:

Tampa Electric Company
P.O. Box 111
Tampa, FL 33601-0111

Draft Air Construction Permit No.: 0570039-016-AC
DRAFT Title V Air Operation Permit Revision No.: 0570039-015-AV
Big Bend Station
Hillsborough County

**INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION
PERMIT REVISION**

The Florida Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction Permit and a Title V Air Operation Permit Revision (copies of the Draft Air Construction Permit and DRAFT Title V Air Operation Permit Revision attached) for the Title V source detailed in the application(s) specified above and the attached Technical Evaluation and Preliminary Determination, for the reasons stated below. The revision is a change to Title V Air Operation Permit No. 0570039-013-AV.

The applicant, Tampa Electric Company, applied to the permitting authority for an Air Construction Permit and a Title V Air Operation Permit Revision for the Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County.

The Title V Operation Permit revisions include typographical corrections, removal of redundant conditions, and the addition of clarifying language.

The air construction permit will establish these clarified and corrected conditions as applicable Title V Operation Permit conditions.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-212 and 62-213. This source is not exempt from construction and Title V permitting procedures. The permitting authority has determined that an Air Construction Permit and a Title V Air Operation Permit Revision are required to construct and to commence or continue operations at the described facility.

The permitting authority intends to issue the Air Construction Permit and the Title V Air Operation Permit Revision based on the belief that reasonable assurances have been provided to indicate that the construction activity and operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the FDEP Bureau of Air Regulation, MS 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax: 850/921-9533), within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication may result in the denial of the permits pursuant to Rule 62-110.106(11), F.A.C.

The permitting authority will issue the Air Construction Permit and the PROPOSED Title V Air Operation Permit Revision and subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the attached Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Air Construction Permit issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction Permit, the permitting authority shall issue a Revised Draft Air Construction Permit and require, if applicable, another Public Notice.

The permitting authority will accept written comments concerning the proposed Title V Air Operation Permit Revision issuance action for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the FDEP Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2242, Fax: 850/245-2303). Petitions filed by the permits's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall 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, F.S., 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 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during

the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of how and when each petitioner received notice of the agency action or proposed action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,

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

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. 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 of Environmental Protection, 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

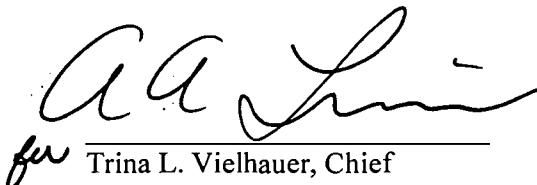
those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

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 the United States Environmental Protection Agency 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.

Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

Executed in Tallahassee, Florida.

Florida Department of Environmental Protection


for Trina L. Vielhauer, Chief
Bureau of Air Regulation

DRAFT Air Construction Permit No.: 0570039-016-AC
DRAFT Title V Air Operation Permit Revision No.: 0570039-015-AV
Page 5 of 5

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision) and all copies were sent by certified mail before the close of business on 8/16/04 to the person listed:

Ms. Karen Sheffield

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision) were sent by U.S. mail or e-mail on the same date to the persons listed or as otherwise noted:

Ms. Raiza Calderon, TEC
Mr. Thomas W. Davis, P.E., ECT
Ms. Cindy Phillips, Bureau of Air Regulation
Ms. Alice Harman, EPCHC
Mr. Jason Waters, EPCHC

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.

Baloua J. Friday 8/16/04
(Clerk) (Date)

PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION

Florida Department of Environmental Protection

Draft Air Construction Permit No.: 0570039-016-AC
DRAFT Title V Air Operation Permit Revision Project No. 0570039-015-AV
Revision to Title V Air Operation Permit No.: 0570039-013-AV
Big Bend Station
Hillsborough County

The Florida Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction Permit and a Title V Air Operation Permit Revision to Tampa Electric Company for Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County. The revision is a change to Title V Air Operation Permit No. 0570039-013-AV. The applicant's name and address are: Tampa Electric Company, Ms. Karen Sheffield, General Manager, Big Bend Station, P.O. Box 111, Tampa, FL 33601-0111.

The Title V Operation Permit revisions include typographical corrections, removal of redundant conditions, and the addition of clarifying language.

The air construction permit will establish these clarified and corrected conditions as applicable Title V Operation Permit conditions.

The permitting authority will issue the Air Construction Permit and the PROPOSED Title V Air Operation Permit Revision and subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Draft Air Construction Permit issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the FDEP Bureau of Air Regulation, MS 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax: 850/921-9533). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction Permit, the permitting authority shall issue a Revised Draft Air Construction Permit and require, if applicable, another Public Notice.

The permitting authority will accept written comments concerning the proposed DRAFT Title V Air Operation Permit Revision issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the FDEP Bureau of Air Regulation, MS 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax: 850/921-9533). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the FDEP Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2242, Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall 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 applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., 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 28-106.205 of the Florida Administrative Code (F.A.C.).

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address and telephone number of the petitioner; name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how petitioner's substantial rights will be affected by the agency determination;
- (c) A statement of how and when the petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so state;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle petitioner to relief;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permits. Any petition shall be based only on objections to the permits that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Permitting Authority:

FDEP Bureau of Air Regulation
Title V Section
111 South Magnolia Drive, Suite 4
Tallahassee, FL 32301
Telephone: 850/488-0114
Fax: 850/921-9533

Affected District Program:

FDEP Southwest District Office Air Program
8407 Laurel Fair Circle 33610
Telephone: 813/744-6100 x111
Fax: 813/744-6458

Affected Local Program:

Environmental Protection Commission of Hillsborough County
1410 North 21 Street
Tampa, FL 33605
Telephone: 813/272-5530
Fax: 813/272-5605

The complete project file includes the Technical Evaluation and Preliminary Determination and associated Draft Air Construction Permit and DRAFT Title V Air Operation Permit Revision, the applications, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Ms. Cindy Phillips, P.E., at the above Permitting Authority address, or at Cindy.Phillips@dep.state.fl.us, or call 850/921-9534, for additional information.

Permit File Scanning Request from _____

Priority: -ASAP (Public Records Request, etc.) -Place in Normal Scanning Queue

Facility ID	Project#/PATs#	Type	PSD #	Submittal Date	Batch #
087039	110	AC			

- File Approved For Disposal
 Correspondence
 Intent
 Permit
 Draft (Title V)
 Return File to BAR
 Amendment
 Application
 OGC
 Proposed (Title V)

Document Date 10/18/04

~~NO FLORIDA~~
BEST AVAILABLE COPY

Cindy P

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

TAMPA ELECTRIC COMPANY
Big Bend Station

Petitioner,

v.

OGC #04-1737
DEP Permit 0570039-016-AC

DEPARTMENT OF ENVIRONMENTAL
PROTECTION,

Respondent.

**ORDER GRANTING REQUEST FOR EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

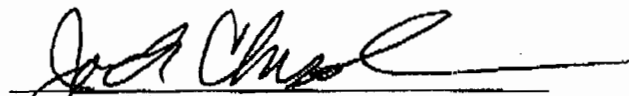
This cause has come before the Florida Department of Environmental Protection upon receipt of a request made by Petitioner TAMPA ELECTRIC COMPANY, INC., to grant an extension of time to file a petition for an administrative hearing to allow time to discuss with FDEP several specific permit conditions for its facility in Hillsborough County, Florida. Because the request shows good cause for the extension of time,

IT IS ORDERED:

The request for an extension of time to file a petition for administrative proceeding is granted. Petitioner shall have until **November 1, 2004**, to file a petition in this matter. Filing shall be complete on receipt by the Office of General Counsel, Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

DONE AND ORDERED on this 18th day of October, 2004, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



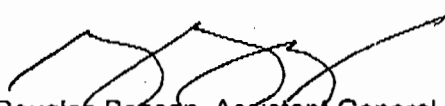
JACK CHISOLM, Deputy General Counsel
3900 Commonwealth Boulevard, M.S. 35
Tallahassee, Florida 32399-3000
850-245-2242 facsimile 850-245-2302

BEST AVAILABLE COPY**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via
_ U. S. Mail facsimile only, this 18th day of October, 2004, to:

Robert A. Manning, Esquire
Hopping Green & Sams, P.A.
Post Office Box 6526
Tallahassee, FL 32314

Facsimile 850-224-8551



W. Douglas Beason, Assistant General Counsel
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
3900 Commonwealth Boulevard - Mail Station 35
Tallahassee, FL 32399-3000
850-245-2242 facsimile 850-245-2302

with a courtesy copy to:

Trina L. Vielhauer
Chief
Bureau of Air Regulation

facsimile: 850-921-9533

Permit File Scanning Request from _____

Priority: -ASAP (Public Records Request, etc.) -Place in Normal Scanning Queue

Facility ID	Project#/PATS#	Type	PSD #	Submittal Date	Batch #
0570039	16	AC			

- File Approved For Disposal Correspondence Intent Permit Draft (Title V)
 Return File to BAR Amendment Application OGC Proposed (Title V)

Document Date 8/25/04

Phillips, Cindy

From: Dennis, Ron [DennisR@epchc.org]
Sent: Wednesday, August 25, 2004 1:33 PM
To: Phillips, Cindy
Cc: Harman, Alice
Subject: TECO Big Bend Station - DRAFT Construction Permit No. 0570039-016-AC

Cindy,

We have reviewed the TECO Big Bend Station DRAFT Construction Permit No. 0570039-016-AC, which we received electronically on August 17, 2004, and have the following comment on it:

In both the 4th paragraph of the Intent to **Issue An Air Construction Permit And A Title V Air Operation Permit Revision** and the 3rd paragraph of the **Public Notice Of to Issue An Air Construction Permit And A Title V Air Operation Permit Revision**, the statement, "The air construction permit will establish these clarified and corrected conditions as applicable Title V Operation Permit conditions," has a smaller font than the paragraphs before and after it.

Ron Dennis
Professional Engineer I
Hillsborough County EPC
Air Management Division

8/25/2004

Permit File Scanning Request from _____

Priority: -ASAP (Public Records Request, etc.) -Place in Normal Scanning Queue

Facility ID	Project#/PATs#	Type	PSD #	Submittal Date	Batch #
0570039	014	AC			

- File Approved For Disposal
 Correspondence
 Intent
 Permit
 Draft (Title V)
 Return File to BAR
 Amendment
 Application
 OGC
 Proposed (Title V)

Document Date 9/13/04



TAMPA ELECTRIC

September 13, 2004

Mrs. Cindy L. Phillips, P.E.
Florida Department of Environmental Protection
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32301

RECEIVED

SEP 14 2004

BUREAU OF AIR REGULATION

Via FedEx
Airbill No. 7920 8804 1671

**Re: Tampa Electric Company
Big Bend Station
Low NO_x Burners and Separate Overfire Air
Proof of Publication of the Intent to Issue
FDEP File No. 0570039-014-AC**

Dear Mrs. Phillips:

Pursuant to Rule 62-110.106(5), F.A.C., enclosed is the proof of publication of the Notice of Intent to Issue the Tampa Electric Company Big Bend Station Low NO_x Burner and Separate Overfire Air systems Air Construction Permit. This notice was published in the legal section of the Tampa Tribune on Thursday, September 9, 2004.

Thank you for your attention to this matter. If you have any concerns or questions feel free to contact me or Shelly Castro at (813) 228-4408.

Sincerely,

Laura R. Crouch
Manager - Air Programs
Environmental, Health & Safety

EHS\vmr\ssc200

c: Mr. Al Linero-FDEP
Mr. Sterlin Woodard-EPCHC
Ms. Alice Harman-EPCHC

TAMPA ELECTRIC COMPANY
P. O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

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

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

THE TAMPA TRIBUNE

Published Daily

Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough } ss.

Before the undersigned authority personally appeared C. Pugh, who on oath says that she is the Advertising Billing Supervisor of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a

LEGAL NOTICE

in the matter of PUBLIC NOTICE OF INTENT

was published in said newspaper in the issues of SEPTEMBER 9, 2004

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, this advertisement for publication in the said newspaper.

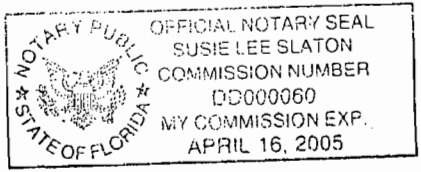
Handwritten signature of C. Pugh

Sworn to and subscribed by me, this 09 day of SEPTEMBER, A.D. 20 04

Personally Known or Produced Identification
Type of Identification Produced

Handwritten signature of Susie Lee Slaton

RECEIVED
SEP 14 2004
BUREAU OF AIR REGULATION



PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP File No. 0570039-014-AC
Tampa Electric Company, Big Bend Station, Hillsborough County
The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Tampa Electric Company (TEC) for the Big Bend Station located at Big Bend Road, North Ruskin, Hillsborough County. This permit is for installation of Low NOx burners (LNB) on Steam Generators No. 1-4, and separate overfire air (SOFA) on Steam Generator No. 4, for the reduction of emissions of nitrogen oxides (NOx). A Best Available Control Technology (BACT) determination was not required pursuant to Rules 62-212.400, F.A.C. and 40 CFR 52.21, Prevention of Significant Deterioration (PSD). The applicant's mailing address is: Tampa Electric Company, P.O. Box 111, Tampa, Florida 33601-0111.
The LNB and SOFA projects are part of a larger program by TEC pursuant to a Consent Final Judgment (CFJ) with the Department and a Consent Decree (CD) with the Environmental Protection Agency to reduce emissions from the coal fired plants. There have been very substantial reductions of sulfur dioxide (SO2) to-date primarily due to the installation of a scrubber on Units 1 and 2. The LNB and SOFA projects will reduce NOx emissions.
To avoid delay and because the projects are pollution control projects reducing emissions, the required work was conducted subsequent to the CFJ and CD. This air construction permit will establish the LNB and SOFA projects as applicable requirements for siting, design, construction and operation of the facility. Title V Operation Permit.
The Department will issue the final construction permit unless a response is received in accordance with the permit.

The Department will accept written comments concerning the proposed construction permit issuance action for a period of fourteen (14) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed

permitting decision may petition for an administrative proceeding (hearing) under 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 filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall 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 F.S., 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 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

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 notice. 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.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Protection
Bureau of Air Regulation
Suite 13, 111 S. Magnolia Drive
Tallahassee, Florida, 32301
Telephone: 850/488-0114
Fax: 850/922-6979

Dept. of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 813/744-6100

Hillsborough County
Environmental Protection Commission
Air Management Division
1410 North 21 Street
Tampa, Florida 33605
Telephone: 813/272-5530

The complete project file includes the permit application, technical

evaluation, Draft construction permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Department's reviewing engineer for this project, Cindy L. Phillips, P.E., at MS 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, or Cindy.Phillips@dep.state.fl.us, or call 850/921-9534, for additional information.

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09/09/04