

Memorandum

Florida Department of Environmental Protection

To: Trina Vielhauer, Bureau Chief

From: Russell Wider, Title V Section

Subject: TECO Big Bend Station – Unit 4
Air Construction Permit No. 0570039-036-AC

Date: April 28, 2008

Attached is the draft air construction permit for the subject facility. This draft air construction permit package extends the air construction permit expiration date for Unit 4 from March 31, 2008, to December 31, 2008. A detailed Technical Evaluation report was done as part of the intent package for the draft permit. Enclosed for your review is the Written Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination, the Public Notice of Intent to Issue Air Permit, the PE Certification, and the draft air construction permit.

The application was received on April 3, 2008. Day 60 is June 2, 2008.

I recommend your approval of the draft permit package.

P.E. CERTIFICATION STATEMENT

PERMITTEE

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

Air Permit No. 0570039-036-AC
Facility ID No. 0570039
Big Bend Station
Permit Re-issuance
Hillsborough County, Florida

PROJECT DESCRIPTION

The purpose of this project is to reissue air construction permit 0570039-031-AC, which specifically: (1) extended the air construction permit expiration date from December 31, 2007 to March 31, 2008 for Unit No. 4, and (2) authorized the construction work for duct work separation as part of a scrubber tower separation initiative. The current air construction permit for Unit No. 4 has expired and the applicant has requested the re-issuance of Air construction permit 0570039-031 with a new expiration date of December 31, 2008. Construction for the duct work separation is complete, thus new construction has not been authorized by this permitting action. Tampa Electric Company shall submit the Big Bend Title V permit renewal application incorporating this project and all other applicable projects by June 6, 2008, approximately six months prior to the current Big Bend Station Title V permit renewal application due date.

***I HEREBY CERTIFY** that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).*



Russell A. Wider, P.E.
Registration Number: 66540

April 29, 2008
(Date)



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

April 29, 2008

Electronic Mail – Received Receipt Requested

kasheffield@tecoenergy.com

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

Re: Air Construction Permit No. 0570039-036-AC
Tampa Electric Company – Big Bend Station
Permit Re-Issuance

Dear Ms. Sheffield:

On April 2, 2008, you submitted an application requesting that the Department reissue air construction permit 0570039-031-AC, which specifically: (1) extended the air construction permit expiration date from December 31, 2007 to March 31, 2008 for Unit No. 4, and (2) authorized the construction work for duct work separation as part of a scrubber tower separation initiative. The current air construction permit for Unit No. 4 has expired and the applicant has requested the re-issuance of air construction permit no. 0570039-031 with a new expiration date of December 31, 2008. This facility is located in Hillsborough County at Big Bend Road, North Ruskin, Florida. Enclosed are the following documents:

- The Technical Evaluation and Preliminary Determination summarizes the Permitting Authority's technical review of the application and provides the rationale for making the preliminary determination to issue a Draft Permit.
- The proposed Draft Permit includes the specific conditions that regulate the emissions units covered by the proposed project.
- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Authority's intent to issue an air permit for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue an air permit; the procedures for submitting comments on the Draft Permit; the process for filing a petition for an administrative hearing and the availability of mediation.
- The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project.

If you have any questions, please contact the Project Engineer, Russell Wider, by telephone at 850-921-9527 or by email at Russell.Wider@dep.state.fl.us.

Sincerely,

Trina Vielhauer, Chief
Bureau of Air Regulation

TLV/raw

Enclosures

WRITTEN NOTICE OF INTENT TO ISSUE DRAFT AIR PERMIT

*In the Matter of an
Application for Air Permit by:*

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

Air Permit No. 0570039-036-AC
Facility ID No. 0570039
Big Bend Station
Permit Re-issuance
Hillsborough County, Florida

Authorized Representative:
Ms. Karen Sheffield, General Manager

Facility Location: Tampa Electric Company, operates the existing Big Bend Station, which is located in Hillsborough County at Big Bend Road, North Ruskin in Tampa, Florida.

Project: The purpose of this project is to reissue air construction permit 0570039-031-AC, which specifically: (1) extended the air construction permit expiration date from December 31, 2007 to March 31, 2008 for Unit No. 4, and (2) authorized the construction work for duct work separation as part of a scrubber tower separation initiative. The current air construction permit for Unit No. 4 has expired and the applicant has requested the re-issuance of air construction permit 0570039-031 with a new expiration date of December 31, 2008. Construction for the duct work separation is complete, thus new construction has not been authorized by this permitting action. Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public 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 by this project. The newspaper used must meet 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

WRITTEN NOTICE OF INTENT TO ISSUE DRAFT AIR PERMIT

at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: 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 with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permit, 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 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 (in a proceeding initiated by another party) 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 when and how each petitioner received notice of the agency action or proposed decision; (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, 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 including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the 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 Written Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

WRITTEN NOTICE OF INTENT TO ISSUE DRAFT AIR PERMIT

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief
Bureau of Air Regulation

TLV/raw

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Public Notice, the Technical Evaluation and Preliminary Determination, and the Draft Permit) was sent by electronic mail with received receipt requested before the close of business on 4/30/08 to the persons listed below.

Karen Sheffield, General Manager, TEC: kasheffield@tecoenergy.com

Bryon Burrows, TEC: btburrows@tecoenergy.com

Tom Davis, ETC: tdavis@ectinc.com

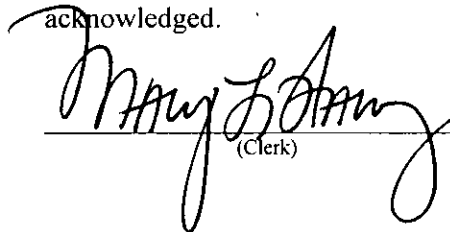
Mara Nasca, FDEP-SWD: mara.nasca@dep.state.fl.us

Jerry Campbell, HCEPC: Campbell@epchc.org

Katy Forney, EPA Region 4: forney.kathleen@epa.gov

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)

4/30/08
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE DRAFT AIR PERMIT

Florida Department of Environmental Protection
Division of Air Resource Management, Bureau of Air Regulation
Draft Air Permit No. 0570039-036-AC
Tampa Electric Company, Big Bend Station
Hillsborough County, Florida

Applicant: The applicant for this project is Tampa Electric Company. The applicant's authorized representative and mailing address is: Ms. Karen Sheffield, General Manager, Tampa Electric Company, Big Bend Station, Post Office Box 111, Tampa, Florida, 33601-0111.

Facility Location: Tampa Electric Company, operates the existing Big Bend Station, which is located in Hillsborough County at Big Bend Road, North Ruskin, Florida.

Project: The purpose of this project is to reissue air construction permit 0570039-031-AC, which specifically: (1) extended the air construction permit expiration date from December 31, 2007 to March 31, 2008 for Unit No. 4, and (2) authorized the construction work for duct work separation as part of a scrubber tower separation initiative. The current air construction permit for Unit No. 4 has expired and the applicant has requested the re-issuance of air construction permit no. 0570039-031 with a new expiration date of December 31, 2008. Construction for the duct work separation is complete, thus new construction has not been authorized by this permitting action. Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site:
<http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE DRAFT AIR PERMIT

public inspection.

Petitions: 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 with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of this Public Notice or receipt of a written notice, 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 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 (in a proceeding initiated by another party) 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 rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (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, 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 including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the 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 Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available for this proceeding.

(Public Notice to be Published in the Newspaper)

**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

PROJECT

Draft Air Construction Permit No. 0570039-36-AC
Permit Re-issuance

COUNTY

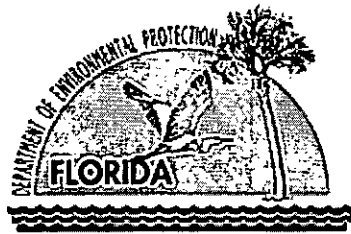
Hillsborough

APPLICANT

Tampa Electric Company
Big Bend Station
ARMS Facility ID No. 0570039

**PERMITTING
AUTHORITY**

Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Title V Section



April 28, 2008

{Filename: TEPD}

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

1. GENERAL PROJECT INFORMATION

Applicant Name and Address

Tampa Electric Company (TECO)
Post Office Box 111
Tampa, Florida 33601-0111

Authorized Representative:

Ms. Karen Sheffield, General Manager, Big Bend Station

Processing Schedule

April 3, 2008 Received the application for a minor source air pollution construction permit.

April 16, 2008 Department deemed application complete.

Facility Description and Location

This facility is an electric utility. This air construction permit will affect Steam Generator No. 4. Big Bend Station is located at Wyandotte Road between Apollo Beach and North Ruskin, Hillsborough County. This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to a National Ambient Air Quality Standard (NAAQS).

Standard Industrial Classification Code (SIC)

Major Group No.	49	Electric, Gas, and Sanitary Services
Group No.	491	Electric Services
Industry No.	4911	Electric Services

Regulatory Categories

Title III: The facility is identified as a potential major source of hazardous air pollutants (HAP).

Title IV: The facility operates units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

CAIR: The facility is subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, Florida Administrative Code (F.A.C).

CAMR: The facility is subject to the Clean Air Mercury Rule (CAMR) set forth in Rule 62-296.480, F.A.C.

Siting: Unit 4 was originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

Project Description

This project is a re-issuance of air construction permit No. 0570039-031. The applicant has requested an extension of the expiration date to December 31, 2008 in order to accommodate the applicant's request to submit one Title V permit renewal application rather than incorporating numerous projects into multiple Title V permit revisions. The purpose of air construction permit no. 0570039-031 was to make some minor modifications to air construction permit No. 0570039-020-AC that authorized the installation of a selective catalytic reduction (SCR) system for nitrogen oxides (NO_x) control on the facility's Unit No. 4 coal-fired boiler. This Air Construction Permit Modification (0570039-031-AC): (1) extended the air construction permit expiration date from December 31, 2007 to March 31, 2008, and (2) authorized the construction work for duct work separation as part of a scrubber tower separation initiative. The current air construction permit for Unit

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

No. 4 has expired. Therefore, the changes requested will be addressed as an Air Construction Permit Re-issuance. Construction of this project is complete. Tampa Electric Company shall submit the Big Bend Title V permit renewal application incorporating this project and all other applicable projects by June 6, 2008, approximately six months prior to the current Big Bend Station Title V permit renewal application due date.

2. APPLICABLE REGULATIONS

State Regulations

This project is subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The Florida Statutes authorize the Department of Environmental Protection to establish rules and regulations regarding air quality as part of the Florida Administrative Code (F.A.C.). This project is subject to the applicable rules and regulations defined in the following Chapters of the Florida Administrative Code.

<u>Chapter</u>	<u>Description</u>
62-4	Permitting Requirements
62-204	Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference
62-210	Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms
62-212	Preconstruction Review, PSD Review and BACT, and Non-attainment Area Review and LAER
62-213	Title V Air Operation Permits for Major Sources of Air Pollution
62-296	Emission Limiting Standards
62-297	Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures

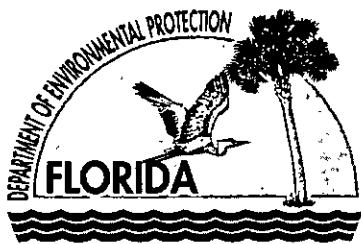
Federal Regulations

This project is also subject to the applicable federal provisions regarding air quality as established by the EPA in the following sections of the Code of Federal Regulations (CFR).

<u>Title 40, CFR</u>	<u>Description</u>
Part 60	Subpart A - General Provisions for NSPS Sources
Part 60	NSPS Subpart Da (Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978)

3. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. The proposed change does not impose any new specific state regulations and will not result in actual emissions increases. Therefore, the project is not subject to PSD review. Russell Wider is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

April 28, 2008

Electronically Sent – Received Receipt Requested.

kasheffield@tecoenergy.com

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

Re: DEP File No. 0570039-036-AC
Draft Air Construction Permit Re-Issuance -- Unit 4 SCR System
Duct Work Separation for Scrubber Tower

Dear Ms. Sheffield:

The Florida Department of Environmental Protection has reviewed your application to reissue Air Construction permit No. 0570039-031 and to extend the expiration date to December 31, 2008. Air construction permit no. 0570039-031-AC has expired and a timely and complete application for a revision to the Title V air operation permit was not received. Construction of the duct work separation for the scrubber tower is complete and no new construction for this project is authorized by this permitting action. As the applicant has requested the Department hereby extends the terms, conditions and expiration date of air construction permit no. 0570039-031-AC to December 31, 2008. Attached is air construction permit no. 0570039-031 with the new expiration date. Tampa Electric Company shall submit the Big Bend Title V permit renewal application incorporating this project and all other applicable projects by June 6, 2008, approximately six months prior to the current Big Bend Station Title V permit renewal application due date.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

Trina L. Vielhauer, Bureau Chief
Bureau of Air Regulation

TLV/raw

Enclosures

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Draft air construction permit was sent electronically (with Received Receipt) before the close of business on _____ to the person(s) listed below:

Karen Sheffield, General Manager, TEC: kasheffield@tecoenergy.com
Byron Burrows, TEC: btburrows@tecoenergy.com
Tom Davis, ETC: tdavis@ectinc.com
Mara Nasca, FDEP-SWD: mara.nasca@dep.state.fl.us
Jerry Campbell, HCEPC: Campbell@epchc.org
Katy Forney, EPA Region 4: Forney.kathleen@epa.gov

Clerk Stamp
FILING AND ACKNOWLEDGMENT FILED, on
this date, pursuant to §120.52, Florida Statutes, with the
designated Department Clerk, receipt of which is hereby
acknowledged.

(Clerk) (Date)



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

November 19, 2007

Electronically Sent – Received Receipt Requested.

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

Authorized Representative:
Ms. Karen Sheffield, General Manager
kasheffield@tecoenergy.com

old permit

Big Bend Station
DEP File No. 0570039-031-AC
Facility ID No. 0570039
Hillsborough County, Florida

Permit Expires: December 31, 2008

Re: Air Construction Permit Modification -- ~~0570039-020-AC~~
Permit Expiration Extension and Duct Work Separation for Scrubber Tower

Dear Ms. Sheffield:

The Florida Department of Environmental Protection ("the Department") has reviewed your application to make some minor modifications to Air Construction Permit No. 0570039-020-AC that authorized the installation of a selective catalytic reduction (SCR) system for nitrogen oxides (NO_x) control on the facility's Unit No. 4 coal-fired boiler. This Air Construction Permit Modification (0570039-031-AC): (1) extends the air construction permit expiration date from December 31, 2007 to ~~March 31, 2008~~, and (2) authorizes the construction work for duct work separation as part of a scrubber tower separation initiative. The current air construction permit for Unit No. 4 has not yet expired. Therefore, the changes requested will be addressed as an Air Construction Permit Modification.

MODIFICATIONS OF AIR CONSTRUCTION PERMIT NO. 0570039-020-AC

Double-underline denotes additions.

New Specific Conditions **A.14.1.** and **A.14.2.** are added as follows:

A.14.1. Currently, Units 3 and 4 of the facility share a common flue gas desulfurization scrubber and common stacks. During normal operation, flue gasses from both units are routed to this common scrubber. With this air construction permit, the permittee is authorized to perform the construction work for duct work separation as part of a scrubber tower separation initiative. This initiative (to split the common scrubber) is necessary in order for the plant management to perform maintenance on one of the units while the other unit is operating. As a consequence, the towers will also be split and the duct work configured, dedicating a stack to each unit. [Rule 62-4.070(3), F.A.C.]

A.14.2. Future Actual Emissions Reporting. The permittee shall maintain and submit to the Department on an annual basis for a period of 5 years from the date the duct work separation initiative is placed in operation, information demonstrating in accordance with Rule 62-212.300(1)(e), F.A.C., using the emissions computation and reporting procedures in Rule 62-210.370, F.A.C., that the implementation of the initiative did not result in an emissions increase of SO₂ that would equal or exceed the respective significant emission rate as defined in Rule 62-210.200, F.A.C. [Rule 62-212.300(1)(e), F.A.C.]

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

Joseph Kahn, Director
Division of Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this PERMIT MODIFICATION was sent electronically (with Received Receipt) before the close of business on _____ to the person(s) listed below:

Karen Sheffield, General Manager, TEC kasheffield@tecoenergy.com
Byron Burrows, TEC btburrows@tecoenergy.com
Tom Davis, ETC tdavis@ectinc.com
Mara Nasca, FDEP-SWD mara.nasca@dep.state.fl.us
Jerry Campbell, HCEPC Campbell@epchc.org
James Little, EPA Region 4 little.james@epa.gov

Clerk Stamp
FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

(Clerk)

(Date)

Harvey, Mary

From: Harvey, Mary
Sent: Wednesday, April 30, 2008 4:36 PM
To: 'Karen Sheffield, General Manager, TEC:; 'Bryon Burrows, TEC:; 'Tom Davis, ETC:; Nasca, Mara; 'Jerry Campbell, HCEPC:; 'Katy Forney, EPA Region 4:
Cc: Wider, Russell; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT
Attachments: 0570039.036.AC.D_pdf.zip

Tracking:	Recipient	Read
	'Karen Sheffield, General Manager, TEC:'	
	'Bryon Burrows, TEC:'	
	'Tom Davis, ETC:'	
	Nasca, Mara	Read: 4/30/2008 5:56 PM
	'Jerry Campbell, HCEPC:'	
	'Katy Forney, EPA Region 4:'	
	Wider, Russell	Read: 4/30/2008 4:35 PM
	Walker, Elizabeth (AIR)	
	Gibson, Victoria	Read: 5/1/2008 8:01 AM

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:
<http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

Harvey, Mary

From: Nasca, Mara
Sent: Wednesday, April 30, 2008 5:56 PM
To: Prickett, Patricia
Cc: Zhang-Torres; Harvey, Mary
Subject: Fw: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Attachments: 0570039.036.AC.D_pdf.zip



0570039.036.AC.D
_pdf.zip (256 ...)

Sent from my BlackBerry Wireless Handheld

----- Original Message -----

From: Harvey, Mary
To: 'Karen Sheffield, General Manager, TEC:' <kasheffield@tecoenergy.com>; 'Bryon Burrows, TEC:' <btburrows@tecoenergy.com>; 'Tom Davis, ETC:' <tdavis@ectinc.com>; Nasca, Mara; 'Jerry Campbell, HCEPC:' <Campbell@epchc.org>; 'Katy Forney, EPA Region 4:' <forney.kathleen@epa.gov>
Cc: Wider, Russell; Walker, Elizabeth (AIR); Gibson, Victoria
Sent: Wed Apr 30 16:35:45 2008
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Dear Sir/Madam:

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Thank you,

DEP, Bureau of Air Regulation

Harvey, Mary

From: Karen Sheffield [kasheffield@tecoenergy.com],
Sent: Thursday, May 01, 2008 10:22 AM
To: Harvey, Mary
Cc: Byron Burrows
Subject: Re: TECO - Air Construction Permit #0570039-036-AC-DRAFT

I received the attached documents.

>>> "Harvey, Mary" <Mary.Harvey@dep.state.fl.us> 04/30/2008 4:35 PM >>>

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The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

Harvey, Mary

From: Campbell, Jerry [Campbell@epchc.org]
To: Harvey, Mary
Sent: Thursday, May 01, 2008 2:08 PM
Subject: Read: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Your message

To: Campbell@epchc.org
Subject:

was read on 5/1/2008 2:08 PM.

Harvey, Mary

From: Nasca, Mara
To: Harvey, Mary
Sent: Wednesday, April 30, 2008 5:56 PM
Subject: Read: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Your message

To: 'Karen Sheffield, General Manager, TEC:'; 'Bryon Burrows, TEC:'; 'Tom Davis, ETC:'; Nasca, Mara; 'Jerry Campbell, HCEPC:'; 'Katy Forney, EPA Region 4:'
Cc: Wider, Russell; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT
Sent: 4/30/2008 4:36 PM

was read on 4/30/2008 5:56 PM.

Harvey, Mary

From: Byron Burrows [btburrows@tecoenergy.com]
Sent: Wednesday, April 30, 2008 5:56 PM
To: Harvey, Mary
Subject: Re: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Received.

From BlackBerry
Byron Burrows
Mob: 813.230.3445

-----Original Message-----

From: "Harvey, Mary" <Mary.Harvey@dep.state.fl.us>
Cc: Elizabeth (AIR) Walker <Elizabeth.Walker@dep.state.fl.us>
To: Mara Nasca <Mara.Nasca@dep.state.fl.us>
Cc: Russell Wider <Russell.Wider@dep.state.fl.us>
Cc: Victoria Gibson <Victoria.Gibson@dep.state.fl.us>
To: ETC: Tom Davis <tdavis@ectinc.com>
To: EPA Region 4: Katy Forney <forney.kathleen@epa.gov>
To: HCEPC: Jerry Campbell <Campbell@epchc.org>
To: Karen Sheffield <kasheffield@tecoenergy.com>
To: Byron Burrows <btburrows@tecoenergy.com>

Sent: 4/30/2008 4:35:45 PM
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT

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The Department of Environmental

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improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of

service you received. Copy the url below to a web browser to complete the DEP

survey:

Harvey, Mary

From: Gibson, Victoria
To: Harvey, Mary
Sent: Thursday, May 01, 2008 8:01 AM
Subject: Read: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Your message

To: 'Karen Sheffield, General Manager, TEC:>'; 'Bryon Burrows, TEC:>'; 'Tom Davis, ETC:>'; Nasca, Mara; 'Jerry Campbell, HCEPC:>'; 'Katy Forney, EPA Region 4:'
Cc: Wider, Russell; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT
Sent: 4/30/2008 4:36 PM

was read on 5/1/2008 8:01 AM.

Harvey, Mary

From: Wider, Russell
To: Harvey, Mary
Sent: Wednesday, April 30, 2008 4:37 PM
Subject: Read: TECO - Air Construction Permit #0570039-036-AC-DRAFT

Your message

To: 'Karen Sheffield, General Manager, TEC:>'; 'Bryon Burrows, TEC:>'; 'Tom Davis, ETC:>'; Nasca, Mara; 'Jerry Campbell, HCEPC:>'; 'Katy Forney, EPA Region 4:'
Cc: Wider, Russell; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT
Sent: 4/30/2008 4:36 PM

was read on 4/30/2008 4:35 PM.

Harvey, Mary

From: Tom: Davis [tdavis@ectinc.com]
Sent: Wednesday, April 30, 2008 4:41 PM
To: Harvey, Mary
Subject: RE: TECO - Air Construction Permit #0570039-036-AC-DRAFT

From: Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]
Sent: Wednesday, April 30, 2008 4:36 PM
To: Karen Sheffield, General Manager, TEC.; Bryon Burrows, TEC.; Tom Davis, ETC.; Nasca, Mara; Jerry Campbell, HCEPC.; Katy Forney, EPA Region 4:
Cc: Wider, Russell; Walker, Elizabeth \((AIR)\); Gibson, Victoria
Subject: TECO - Air Construction Permit #0570039-036-AC-DRAFT

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Harvey, Mary

From: Forney.Kathleen@epamail.epa.gov
Sent: Sunday, May 04, 2008 5:52 PM
To: Harvey, Mary
Subject: Re: FW: TECO - Air Construction Permit #0570039-036-AC-DRAFT

thanks

Katy R. Forney
Air Permits Section
EPA - Region 4
61 Forsyth St., SW
Atlanta, GA 30303

Phone: 404-562-9130
Fax: 404-562-9019

"Harvey, Mary"
<Mary.Harvey@dep
.state.fl.us>

04/30/2008 04:36
PM

To
Kathleen Forney/R4/USEPA/US@EPA
cc
Subject
FW: TECO - Air Construction
Permit #0570039-036-AC-DRAFT

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