

NOTICE OF FINAL PERMIT

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

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

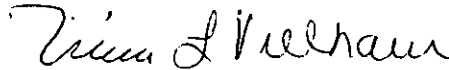
Air Permit No. 0570039-035-AC
Big Bend Station
Compliance Date Change
Hillsborough County

Authorized Representative:
Ms. Karen Sheffield, General Manager

Enclosed is the final air construction permit, which changes the date for nitrogen oxides (NO_x) emissions compliance and reporting by extending the date by one month. The permit affects work conducted at the Big Bend Station, which is located in Hillsborough County at Big Bend Road in North Ruskin, Florida. As noted in the attached Final Determination, no changes were made to the permit as drafted. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this 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 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/raw/tbc

Florida Department of Environmental Protection

Memorandum

TO: Joseph Kahn, Division of Air Resource Management
THROUGH: Trina L. Vielhauer, Bureau of Air Regulation
Russell A. Wider, Title V Section
FROM: Tom Cascio, Title V Section *TCM*
DATE: May 29, 2008
SUBJECT: Air Permit No. 0570039-035-AC
Tampa Electric Company
Big Bend Station
Compliance Date Change

The Final Permit for this project is attached for your approval and signature, which changes the date for nitrogen oxides (NO_x) emissions compliance and reporting by extending the date by one month. The change affects equipment installed at the Big Bend Station in Hillsborough County, Florida. The project results in a minor source air construction permit and is not subject to PSD preconstruction review. The applicant specifically asked that the Bureau of Air Regulation process this application.

The attached Final Determination identifies issuance of the draft permit, summarizes the publication process, and indicates that the Department received no comments on the Draft Permit.

I recommend your approval of the attached Final Permit for this project.

Attachments

Joe -
This extension was due to ~~the~~ damage
to steam turbine rotor & further damage
to it when it was sent to mfg. for
repairs.
Trina

FINAL DETERMINATION

PERMITTEE

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

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Bureau of Air Regulation, Title V Section
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Air Permit No. 0570039-035-AC
Big Bend Station

This permit modification changes the date for nitrogen oxides (NO_x) emissions compliance and reporting by extending the date by one month.

NOTICE AND PUBLICATION

The Department distributed an Intent to Issue Permit package on April 30, 2008. The applicant published the Public Notice of Intent to Issue in the Tampa Tribune on May 3, 2008. The Department received the proof of publication on May 12, 2008.

COMMENTS

No comments on the Draft Permit were received from the public, the Local Air Program, the Department's Southwest District Office, the EPA Region 4 Office, or the applicant.

CONCLUSION

The final action of the Department is to issue the permit with no changes.



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

May 30, 2008

Electronically Sent – Received Receipt Requested.

kasheffield@tecoenergy.com

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

Re: DEP File No. 0570039-035-AC
Air Construction Permit Modification -- Unit 3 SCR System
Compliance Date Change

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. 0570039-022-AC that authorized the installation of a selective catalytic reduction (SCR) system for nitrogen oxides (NO_x) control on the facility's Unit No. 3 coal-fired boiler. This Air Construction Permit Modification (0570039-035-AC) revises three specific conditions of the previously issued permit. Specifically, this permit modification changes the date for nitrogen oxides (NO_x) emissions compliance and reporting by extending the date by one month. The current air construction permit for Unit No. 3 has not yet expired. Therefore, the change requested will be addressed as an Air Construction Permit Modification.

MODIFICATIONS OF AIR CONSTRUCTION PERMIT NO. 0570039-022-AC

Double-underline denotes additions; ~~strikethrough~~ denotes deletions.

The following specific conditions are revised:

A.16. After ~~April 30~~ May 31, 2008, NO_x emissions (reported as NO₂) from Unit No. 3 when combusting solid fuel, shall not exceed 0.12 lb NO_x/million Btu heat input on a heat input weighted 30-day rolling average basis. Based upon a maximum heat input of 4115 million Btu/hour, NO_x emissions shall not exceed 494 lb/hr. These emission limits are based on the definition of "emission rate" so that an equation is used that divides total pounds of NO_x by total heat input in each 30-day period to reach a 30-day rolling average.

[Applicant Request and EPA Consent Decree (U.S. vs. TEC) dated February 29, 2000, amended October 4, 2000, and FDEP Consent Final Judgment (DEP vs. TEC) dated December 6, 1999; ~~and~~ E-mail memorandum from EPA received on September 15, 2005; and Applicant Request and pending Consent Decree amendment.]

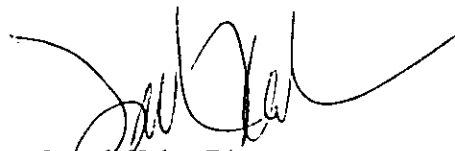
A.20. Compliance with the emission limiting standards specified in this Air Construction Permit shall be determined by ~~April 30~~ May 31, 2008, and annually thereafter, using the appropriate specific conditions of the facility's existing Title V Air Operations Permit No. 0570039-017-AV, by using the appropriate EPA reference test methods, or Department test methods.

[0570039-017-AV; ~~and~~ Rules 62-204.220 and 62-4.070(3), F.A.C.; and Applicant Request and pending Consent Decree amendment.]

A.21. Compliance with the heat input weighted 30-day rolling average NO_x emission limit of 0.12 lb NO_x/mmBtu shall be demonstrated using CEMS data beginning ~~May 31~~ June 30, 2008 (or 30 boiler operating days after ~~May~~ June 1, 2008), and every 30 boiler operating days thereafter.
[Applicant Request and pending Consent Decree amendment.]

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 Requested) before the close of business on 6/3/08 to the person(s) listed below:

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

Bryon T. Burrows, P.E., TEC: btburrows@tecoenergy.com

Julie Ward: jmward@tecoenergy.com

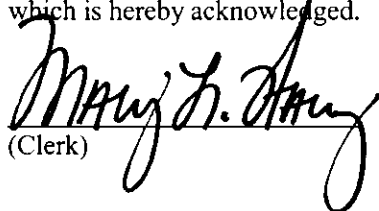
Mara Nasca, FDEP-SWD: mara.nasca@dep.state.fl.us

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.

 6/3/08
(Clerk) (Date)

Harvey, Mary

From: Harvey, Mary
Sent: Tuesday, June 03, 2008 3:11 PM
To: 'Karen Sheffield, General Manager, TEC:; 'Bryon T. Burrows, P.E., TEC:; 'Julie Ward:; Nasca, Mara; 'Jerry Campbell, HCEPC:; 'Katy Forney, EPA Region 4:'
Cc: Cascio, Tom; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station
Attachments: Document.pdf

Tracking:	Recipient	Delivery	Read
	'Karen Sheffield, General Manager, TEC:'		
	'Bryon T. Burrows, P.E., TEC:'		
	'Julie Ward:'		
	Nasca, Mara	Delivered: 6/3/2008 3:11 PM	
	'Jerry Campbell, HCEPC:'		
	'Katy Forney, EPA Region 4:'		
	Cascio, Tom	Delivered: 6/3/2008 3:11 PM	Read: 6/3/2008 3:27 PM
	Walker, Elizabeth (AIR)	Delivered: 6/3/2008 3:11 PM	
	Gibson, Victoria	Delivered: 6/3/2008 3:11 PM	Read: 6/3/2008 3:11 PM

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

6/5/2008

Harvey, Mary

From: Gibson, Victoria
To: Harvey, Mary
Sent: Tuesday, June 03, 2008 3:11 PM
Subject: Read: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station

Your message

To: 'Karen Sheffield, General Manager, TEC:'; 'Bryon T. Burrows, P.E., TEC:'; 'Julie Ward: '; Nasca, Mara; 'Jerry Campbell, HCEPC: '; 'Katy Forney, EPA Region 4:'
Cc: Cascio, Tom; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station
Sent: 6/3/2008 3:11 PM

was read on 6/3/2008 3:11 PM.

Harvey, Mary

From: Nasca, Mara
Sent: Tuesday, June 03, 2008 4:34 PM
To: Harvey, Mary
Cc: Prickett, Patricia
Subject: RE: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station

Thanks Mary

From: Harvey, Mary
Sent: Tuesday, June 03, 2008 3:11 PM
To: 'Karen Sheffield, General Manager, TEC:; 'Bryon T. Burrows, P.E., TEC:; 'Julie Ward:; Nasca, Mara; 'Jerry Campbell, HCEPC:; 'Katy Forney, EPA Region 4:'
Cc: Cascio, Tom; Walker, Elizabeth (AIR); Gibson, Victoria
Subject: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station

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Thank you,

DEP, Bureau of Air Regulation

Harvey, Mary

From: Byron Burrows [btburrows@tecoenergy.com]
Sent: Tuesday, June 03, 2008 4:47 PM
To: Harvey, Mary
Subject: Re: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company- Big Bend Station

Document Received. Thanks!

>>> "Harvey, Mary" <Mary.Harvey@dep.state.fl.us> 06/03/08 3:11:08 PM >>>

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).

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Thank you,

DEP, Bureau of Air Regulation

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.

6/3/2008

Harvey, Mary

From: Campbell, Jerry [Campbell@epchc.org]
To: Harvey, Mary
Sent: Tuesday, June 03, 2008 10:41 PM
Subject: Read: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station

Your message

To: Campbell@epchc.org
Subject:

was read on 6/3/2008 10:41 PM.

Harvey, Mary

From: Karen Sheffield [kashffield@tecoenergy.com]
Sent: Tuesday, June 03, 2008 6:23 PM
To: Harvey, Mary
Subject: Re: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company- Big Bend Station

I received the attached document.

>>> "Harvey, Mary" <Mary.Harvey@dep.state.fl.us> 06/03/2008 3:11:08 PM >>>

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Harvey, Mary

From: Cascio, Tom
Sent: Thursday, June 05, 2008 2:21 PM
To: Harvey, Mary
Subject: RE: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station

Thanks, Mary.

From: Harvey, Mary
Sent: Thursday, June 05, 2008 2:20 PM
To: Cascio, Tom
Cc: Friday, Barbara
Subject: FW: Air Permit #0570039-035-AC-FINAL - Tampa Electric Company - Big Bend Station

Tom this permit was sent out on Tuesday.

Thanks,
Mary

From: Harvey, Mary
Sent: Tuesday, June 03, 2008 3:11 PM
To: 'Karen Sheffield, General Manager, TEC:; 'Bryon T. Burrows, P.E., TEC:; 'Julie Ward:; Nasca, Mara; 'Jerry Campbell, HCEPC:; 'Katy Forney, EPA Region 4:'
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