

## **FINAL DETERMINATION**

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### **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<sub>x</sub>) 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 Labadie  
Deputy Governor

Mark W. Levine  
Secretary

May 30, 2008

*Electronically Sent – Received Receipt Requested.*

[kasheffield@tecoenergy.com](mailto: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<sub>x</sub>) 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<sub>x</sub>) 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; ~~strike through~~ denotes deletions.

The following specific conditions are revised:

**A.16.** After ~~April 30~~ May 31, 2008, NO<sub>x</sub> emissions (reported as NO<sub>2</sub>) from Unit No. 3 when combusting solid fuel, shall not exceed 0.12 lb NO<sub>x</sub>/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<sub>x</sub> 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<sub>x</sub> 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.]

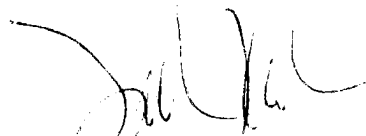
**A.20.** Compliance with the emission limiting standards specified in this Air Construction Permit shall be determined by ~~April 30~~ May 31, 2008, and annually thereafter, using the appropriate specific conditions of the facility's existing Title V Air Operations Permit No. 0570039-017-AV, by using 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<sub>x</sub> emission limit of 0.12 lb NO<sub>x</sub>/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](mailto:kasheffield@tecoenergy.com)

Bryon T. Burrows, P.E., TEC: [btburrows@tecoenergy.com](mailto:btburrows@tecoenergy.com)

Julie Ward: [jmward@tecoenergy.com](mailto:jmward@tecoenergy.com)

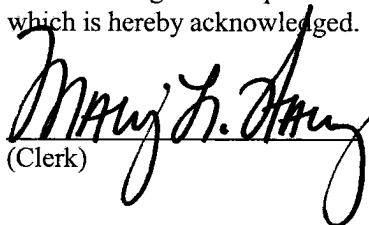
Mara Nasca, FDEP-SWD: [mara.nasca@dep.state.fl.us](mailto:mara.nasca@dep.state.fl.us)

Jerry Campbell, HCEPC: [Campbell@epchc.org](mailto:Campbell@epchc.org)

Katy Forney, EPA Region 4: [forney.kathleen@epa.gov](mailto: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) 6/3/08  
(Date)

## 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

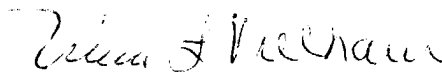
Air Permit No. 0570039-035-AC  
Big Bend Station  
Compliance Date Change  
Hillsborough County

Authorized Representative:  
Ms. Karen Sheffield, General Manager

Enclosed is the final air construction permit, which changes the date for nitrogen oxides (NO<sub>x</sub>) 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