Florida Department of Environmental Protection

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

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

(Sent by Electronic Mail – Return Receipt Requested)

Mr. Ronald Bishop, Director – Big Bend Station
Tampa Electric Company
Post Office Box 111
Tampa, Florida 33601-0111

Re: Title V Air Operation Permit Revision
Proposed Permit No. 0570039-097 -AV
Big Bend Station

Dear Mr. Bishop:

One copy of the proposed permit determination for the revision of the Title V air operation permit for the Big Bend Station located at 13031 Wyandotte Road, Hillsborough County, is enclosed. This letter is only a courtesy to inform you that the draft permit has become a proposed permit.

An electronic version of this determination has been posted on the Division of Air Resource Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. Interested persons may view the proposed permit by visiting the following website: https://fldep.dep.state.fl.us/air/emission/apds/default.asp and entering the permit number shown above.

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the proposed Title V air operation permit is made by the USEPA within 45 days, the proposed permit will become a final permit no later than 55 days after the date on which the proposed permit was mailed (posted) to USEPA. If USEPA has an objection to the proposed permit, the final permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

If you should have any questions, please contact Lara Rabbath, at 850/717-9082.

Executed in Tallahassee, Florida.

David Lyle Read, P.E.
2016.12.01 08:45:49 -05'00'

For:

Syed Arif, P.E., Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

SA/dlr/lcr

Copies sent by electronic mail to the following:

Mr. Ronald Bishop, TEC, Director – Big Bend Station: rdbishop@tecoenergy.com
Mr. Byron Burrows, TEC: btburrows@tecoenergy.com
Mr. Robert Velasco, P.E., TEC: ravelasco@tecoenergy.com
Ms. Diana Lee, EPCHC: lee@epchc.org
DEP Siting Office: SCO@dep.state.fl.us
Ms. Alisa Coe, Earth Justice: acoe@earthjustice.org
Ms. Natasha Hazziez, EPA Region 4: hazziez.natasha@epa.gov
Ms. Ana Oquendo, EPA Region 4: oquendo.ana@epa.gov

Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us
Ms. Barbara Friday, DEP OPC: barbara.Friday@dep.state.fl.us

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.

Lynn Scearce 2016.12.01 09:39:17 -05'00'

Permit No. 0570039-097-AV

I. Public Notice.

An Intent To Issue Air Permit issued to Tampa Electric Company for the Big Bend Station located at 13031 Wyandotte Road, Hillsborough County, was clerked on October 12, 2016. The Public Notice Of Intent To Issue Air Permit was published in La Gaceta Newspaper on October 28, 2016. The draft Title V air operation permit was available for public inspection at the permitting authority's office in Tallahassee. Proof of publication of the Public Notice Of Intent To Issue Air Permit was received on October 31, 2016.

II. Public Comment(s).

No comments on the draft permit were received from the public or the Local Air Program. However, on November 8, 2016, the Department received minor comments from the applicant in the form of suggested edits/revisions. The following summarizes the comments and the Department's responses.

1. *Comment*: Specific Condition **A.10.e.** should be revised for the following reasons. First, the construction of the natural gas igniters was completed in November 2015. Secondly, the June 1, 2016 deadline for the SO_2 emissions cap has already expired. Thirdly, Permit No. 0570039-091-AC supersedes the permitting requirements in Permit No. 0570039-084-AC.

Response. The Department accepts the requested revision. Condition **A.10.e.** (SO_2 Emissions) has been revised as follows:

   e. As determined by CEMS, SO_2 emissions from all four fossil fuel fired steam generating units (EU 001 – EU 004, combined) shall not exceed 3,162 lb/hour based on a 30-boiler operating day rolling average. The SO_2 emissions cap applies at all times when these units are operating including periods of startup and shutdown. ~~The effective date of this SO_2 emissions cap is within 180 days of completing construction of the last natural gas igniter and process heaters authorized by Permit No. 0570039-084-AC, but no later than June 1, 2016~~.

2. *Comment*: The first report has already been submitted to the Department. Therefore, mention of the first report is no longer applicable and should be deleted from Specific Condition **A.38.b.**

Response. The Department accepts the requested revision. Condition **A.38.b.** (SO_2 Reporting) has been revised as follows:

   b. *Semiannual*. The permittee shall submit semiannual reports summarizing the SO_2 data for the reporting period and demonstrating compliance with the SO_2 emissions cap. Reports shall be submitted within 30 days following the reporting period. ~~The first report is due by January 30, 2016.~~ Each report shall summarize each 30-boiler operating day rolling average emission rate during the reporting period along with any background information to explain emissions.

3. *Comment*: Specific Condition **B.14.d.** should be revised for the following reasons. First, the construction of the natural gas igniters was completed in November 2015. Secondly, the June 1, 2016 deadline for the SO_2 emissions cap has already expired. Thirdly, Permit No. 0570039-091-AC supersedes the permitting requirements in Permit No. 0570039-084-AC.

Response. The Department accepts the requested revision. Condition **B.14.d.** (SO_2 Emissions) has been revised as follows:

   d. As determined by CEMS, SO_2 emissions from all four fossil fuel fired steam generating units (EU 001 – EU 004, combined) shall not exceed 3,162 lb/hour based on a 30-boiler operating day rolling average. The SO_2 emissions cap applies at all times when these units are operating including periods of startup and shutdown. ~~The effective date of this SO_2 emissions cap is within 180 days of completing construction of the last natural gas igniter and process heaters authorized by Permit No. 0570039-084-AC, but no later than June 1, 2016.~~

4. *Comment*: The first report has already been submitted to the Department. Therefore, mention of the first report is no longer applicable and should be deleted from Specific Condition **B.40.a.**

Response. The Department accepts the requested revision. Condition **B.40.a.** (SO_2 Reporting) has been revised as follows:

a. *Semiannual*. The permittee shall submit semiannual reports summarizing the SO_2 data for the reporting period and demonstrating compliance with the SO_2 emissions cap. Reports shall be submitted within 30 days following the reporting period. ~~The first report is due by January 30, 2016.~~ Each report shall summarize each 30-boiler operating day rolling average emission rate during the reporting period along with any background information to explain emissions.

III. Conclusion.

The enclosed proposed Title V air operation permit includes the aforementioned changes to the draft Title V air operation permit.

The permitting authority will issue the proposed Permit No. 0570039-097-AV, with the changes noted above.