FINAL DETERMINATION

PERMITTEE

Tampa Electric Company (TEC)
Post Office Box 111
Tampa, Florida 33600-0111

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Air Permit No. 1050233-040-AC
Minor Air Construction Permit Revision for Excess Emissions
Polk Power Station

This project makes minor revisions to permit No. 1050233-029-AC/PSD-FL-194J to recognize short periods of excess emissions due to fuel switching events between syngas and natural gas (and vice versa) on the combined cycle combustion (EU 001) in order to accommodate the manufacturer's required operating procedures for fuel switching. According to TEC, the control logic for the control system of EU 001 is set up by the manufacturer (General Electric). When a transfer is initiated, the operator is required to press a button to initiate the transfer and then the control system logic takes over from there. It is an automated process that has been programmed by GE to ensure this process is conducted safely and reliably.

This permit also establishes allowable periods of NO_X CEMS data exclusions for excess emissions resulting from the tuning of simple cycle combustion turbine Nos. 2 and 3 (EU009 and EU010). Emissions Units 009 and 010 were originally authorized under permit No. PSD-FL-263.

NOTICE AND PUBLICATION

The Department distributed a draft minor air construction permit package on August 12, 2014. The applicant published the Public Notice in the Lakeland Ledger on August 25, 2014. The Department received the proof of publication on August 29th. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

COMMENTS

No comments on the draft permit were received from the public, the EPA Region 4 Office or the applicant.

CONCLUSION

The final action of the Department is to issue the permit with no changes from the Publically Noticed version of the draft permit.