



October 19, 2012

Mr. David Read
Florida Department of Environmental Protection
Division of Air Resource Management

Via Email
David.Read@dep.state.fl.us

Cc: Jeff Koerner
Florida Department of Environmental Protection
Division of Air Resource Management

Via Email
Jeff.Koerner@dep.state.fl.us

Cc: Cindy Zhang – Torres
Florida Department of Environmental Protection: Southwest District
Air Permitting

Via Email
Cindy.Zhang-Torres@dep.state.fl.us

**Re: Tampa Electric Company
Polk Power Station
Draft Permit Application
Permit Nos. 1050233 – 028 – AV; 1050233 – 029 – AC; 1050233 – 032 – AC**

Dear Mr. Read:

Pursuant to Rule 62-110.106(12), F.A.C., enclosed is the proof of Publication Notice of Draft Permit Application. This notice was published in the legal section of The Lakeland Ledger on Friday, September 7, 2012.

Thank you for your attention to this matter. If you have any concerns or questions feel free to contact me at (813) 228-4740.

Sincerely,

(No Electric Signature)

Lyndsey Baldyga
Engineer – Air Programs
Environmental Health & Safety
Tampa Electric Company

EHS\iymlmb 108 Public Notice Polk 1 NG Conversion

Enclosure

RECEIVED

OCT 19 2012

AFFIDAVIT OF PUBLICATION THE LEDGER

Lakeland, Polk County, Florida

STATE OF FLORIDA)
COUNTY OF POLK)

Before the undersigned authority personally appeared Carl Holweg, who on oath says that he is an Sales Executive at The Ledger a daily newspaper published at Lakeland in Polk County, Florida; that the attached copy of advertisement, being a

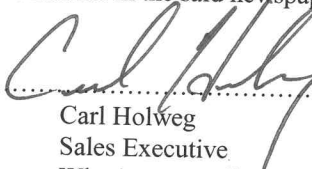
PUBLIC NOTICE

In the matter of DRAFT PERMIT FOR POLK POWER STATION

Concerning TAMPA ELECTRIC

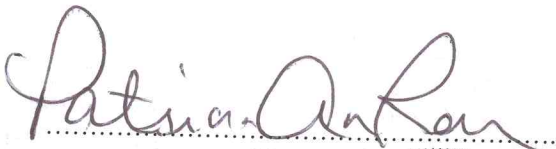
in said newspaper in the issues of 10-12; 2012

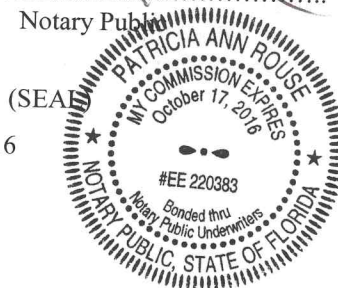
Affiant further says that said The Ledger is a newspaper published at Lakeland, in said Polk County, Florida, and that the said newspaper has heretofore been continuously published in said Polk County, Florida, daily, and has been entered as second class matter at the post office in Lakeland, in said Polk County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signed... 
Carl Holweg
Sales Executive
Who is personally known to me.

Sworn to and subscribed before me this 12th

day of October A.D. 2012


Notary Public



My Commission Expires - October 17, 2016

PUBLIC NOTICE OF INTENT TO ISSUE PERMITS
Florida Department of Environmental Protection
Division of Air Resource Management, Office of Permitting and Compliance
Draft/Proposed Title V Air Operation Permit No. 1050233-028-AV
Draft Air Construction Permit Revision No. 1050233-029-AC (PSD-FL-194J)
Draft Air Construction Permit Revision No. 1050233-032-AC
(PSD-FL-263B and PSD-FL-363C)
Tampa Electric Company, Polk Power Station
Polk County, Florida

Applicant: The applicant for this project is Tampa Electric Company. The applicant's responsible official and mailing address are: Karen Sheffield, Tampa Electric Company, Post Office Box 111, Tampa, Florida 33601-0111.

Facility Location: The applicant operates the existing Polk Power Station, which is located in Polk County in Polk County at 9995 State Route 37 South in Mulberry, Florida, Florida.
Project: The Polk Power Station is an existing electrical power plant consisting of five key generating units. Unit 1 is a nominal 260 megawatt (MW) solid fuel-based integrated gasification and combined cycle (IGCC) plant consisting of: a nominal 192 MW combined cycle combustion turbine (CCCT, EU 001) firing a synthetic gas (syngas) derived from coal and petcoke; a heat recovery steam generator with a nominal 123 MW steam turbine-electrical generator; and an auxiliary boiler (EU-003); a sulfuric acid plant (EU 004); a solid fuel handling system (EU 005); an entrained flow solid fuel gasification system (EU 006); an oxygen plant; a syngas cleanup and sulfur recovery system. Units 2, 3, 4 and 5 (EU 009, 010, 013 and 014) are 165 MW simple cycle combustion turbine-electrical generators fired with natural gas. Units 2 and 3 may also fire limited amounts of distillate oil. Other units include emergency generators (EU 007) and miscellaneous heating units and internal combustion engines (EU 008).

This project is a combination of requests made in applications submitted on February 28, 2012 and May 21, 2012 for revisions to underlying air construction permits with a concurrent Title V air operation permit revision as described below.

Project No. 1050233-029-AC (PSD-FL-194J): This project makes the following revisions: heat input rate to CCCT (EU 001) changes from a maximum to a design basis and from a higher heating value to a lower heating value basis; monitoring provisions for the fuel sulfur and sulfur dioxide limits for the auxiliary boiler (EU 003); monitoring requirements for the blend of coal and petcoke for the solid fuel gasification system (EU 006); authorization of natural gas to replace distillate oil in the auxiliary boiler (EU 003); authorization of natural gas to replace propane in the burners for both the sulfuric acid plant hydrogen sulfide to sulfur dioxide conversion furnace burners and the sulfur trioxide converter preheater burners; authorization of natural gas to replace propane in the solid fuel gasifier preheater; authorization of natural gas to replace distillate oil as a back-up fuel for the Unit 1 combustion turbine (EU 001); and authorization of natural gas to augment syngas firing in the CCCT. Once the gas conversion projects are complete, the distillate oil requirements will become obsolete and be superseded by requirements related to natural gas. Also, redundant and obsolete permit conditions are removed. Since the revisions are extensive, this permit is being re-issued in its entirety.

Project No. 1050233-032-AC (PSD-FL-263B and PSD-FL-363C): This project will make the following revisions: minor changes to the nitrogen oxide reporting requirements when firing natural gas and distillate oil for combustion turbine Units 2 and 3 (EU 009 and 010); the fuel monitoring schedule for combustion turbine Units 2 and 3 (EU 009 and 010); replace the advance notice for tuning with a requirement to report tuning in the quarterly reports for Units 4 and 5 (EU 013 and 014); correct identification numbers of Units 4 and 5 from EU 011 and 012 to EU 013 and 014, respectively, to match what is currently in the Department's Air Resource Management System database.

Project No. 1050233-028-AV: This project revises the Title V air operation permit to incorporate all of the changes made to the concurrent air construction permits. In addition, it revises the requirement to conduct daily visible emissions observations on the sulfuric acid plant from daily to quarterly tests, with the possibility of annual tests if no visible emissions are observed. Finally, the identification numbers for Units 4 and 5 were corrected from EU 011 and 012 to EU 013 and 014, respectively, throughout the permit.

All of the changes made to the air construction permits are described in Technical Evaluation and Preliminary Determination document. All of the changes made to the concurrent Title V air operation permit revision are described in the Statement of Basis. These documents along with all other associated documents in the issued draft/proposed permit package can be accessed by entering file number in the permit number field at the web link given under "Project File" heading below.

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.

Applications for Title V air operation permits with Acid Rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214, (if this permitting action includes an acid rain action) of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Division of Air Resource Management 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 850/717-9000.

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 the address indicated above for the Permitting Authority. The complete project file includes the draft air construction permit revisions, the Technical Evaluation and Preliminary Determination, the draft/proposed Title V air operation permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft/proposed permit package by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. 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 Air Permits: The Permitting Authority gives notice of its intent to issue air construction permits 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 final permits in accordance with the conditions of the proposed draft air construction permits 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.

The Permitting Authority gives notice of its intent to issue a Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of existing 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, 62-213, 62-214, 62-296 and 62-297, F.A.C. The draft permit is also the proposed per-

