



TAMPA ELECTRIC

October 30, 2006

RECEIVED

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BUREAU OF AIR REGULATION

Mr. Jeff Koerner  
Bureau of Air Regulation  
Florida Department of Environmental Protection  
2600 Blair Stone Road, MS #5505  
Tallahassee, FL 32399-2400

Via FedEx  
Airbill No. 7922 3142 3912

**Re: Tampa Electric Company (TEC)  
Polk Power Station  
100% Petroleum Coke Test Burn  
Public Notice of Intent  
Permit No. 1050233-019-AC  
AIRS #1050233, EU ID #001, 004**

Dear Mr. Koerner:

Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C. please find proof of publication by the way of the enclosed Affidavit of Publication from the Lakeland Ledger. The Lakeland Ledger meets the requirements of Sections 50.011 and 50.031, F. S. and was published in the legal section on Thursday, October 20, 2006. If you have any questions, please feel free to telephone Byron Burrows or me at (813) 228-4433.

Sincerely,

Joshua D. Ellwein  
Air Programs  
Environmental, Health & Safety

EHS/tk/JDE102

Enclosure

cc: Ms. Mara G. Nasca, FDEP SW District  
TAMPA ELECTRIC COMPANY  
P. O. BOX 111 TAMPA, FL 33601-0111

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# AFFIDAVIT OF PUBLICATION

## THE LEDGER

### Lakeland, Polk County, Florida

Case No's:

STATE OF FLORIDA)  
COUNTY OF POLK)

Before the undersigned authority personally appeared Paula Freeman, who on oath says that she is Inside Classified Sales Manager The Ledger, a daily newspaper published at Lakeland in Polk County, Florida; that the attached copy of advertisement, being An

#### Notice of Intent

in the matter of Draft Air Permit NO 1050233-019-AC

Concerning Tampa Electric Company Polk Power Station

was published in said newspaper in the issues of 10-20; 2006

**PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT**  
Florida Department of Environmental Protection  
Draft Air Permit No. 1050233-019-AC  
Tampa Electric Company - Polk Power Station  
Polk County, Florida

**Applicant:** The applicant for this project is the Tampa Electric Company. The applicant's authorized representative is Mark Hornick, General Manager, Polk Power Station. The mailing address is P.O. Box 1113 Tampa, FL 33601.

**Facility Location:** The Tampa Electric Company operates Polk Power Station, which is located 9995 State Route 37 South, in Polk County, Florida.

**Project:** The Polk Power Station operates an existing integrated gasification and combined cycle (IGCC) system consisting of a combined cycle combustion turbine, a solid fuel handling system, a solid fuel gasification plant, and a sulfuric acid plant. Currently, the IGCC system fires syngas in the combined cycle combustion turbine produced from gasifying a blend of coal/petroleum coke with up to 60% petroleum coke and a maximum sulfur content of 3.5% by weight. The applicant proposes a temporary trial period to gasify various petroleum coke/coal blends of up to 100% petroleum coke with a maximum sulfur content of 6.0% by weight. For trial burn blends greater than 80% petroleum coke, a flux will be injected to help gasify the residual mineral matter from the petroleum coke. The purpose of the temporary trial period is to fully test the capabilities of the existing equipment with the higher sulfur fuel blends. Information will be gathered to determine operational changes that must be implemented as well as physical changes that may be necessary for the permanent firing of these fuel blends. Aside from the higher sulfur fuel blends authorized during the trial period, the plant must comply with all other existing permit restrictions. Emissions are not expected to increase as a result of the temporary project. Emissions will be monitored by conducting stack tests and collecting continuous emissions monitoring data during each of the trial burns to determine any changes in emissions.

**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. The Bureau of Air Regulation 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 #5605, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection.