



TAMPA ELECTRIC

January 21, 2005

Mr. Jeffery F. Koerner, P.E.
New Source Review Section
Florida Department of Environmental Protection
111 South Magnolia Avenue, Suite 4
Tallahassee, Florida 32301

Via FedEx
Airbill No. 7928 2854 7029

**Re: Tampa Electric Company
H.L. Culbreath Bayside Power Station
DRAFT PSD Units 3a&3b Air Permit
Public Notice of Intent
Permit No. PSD-FL-301C
Project No. 0570040-019-AC**

Dear Mr. Koerner:

Please find enclosed the original Affidavit of Publication from the Tampa Tribune, as required by 62-110.106(5), F.A.C. This public notice was published in the legal section of the Tampa Tribune on Monday, January 17, 2005. If you have any questions, please feel free to telephone Greer Briggs or me at (813) 228-4302.

Sincerely,

Laura R. Crouch
Manager - Air Programs
Environmental, Health & Safety

EHS/bmr/GMB215

Enclosure

c/enc: Mr. Jerry Kissel, SWD Office
Mr. Gregg Worley, EPA Region 4
Mr. John Bunyak – NPS
Mr. Jerry Campbell, HEPC

TAMPA ELECTRIC COMPANY
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THE TAMPA TRIBUNE
Published Daily
Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough } ss.

Before the undersigned authority personally appeared C. Pugh, who on oath says that she is the Advertising Billing Supervisor of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a

LEGAL NOTICE

in the matter of **PUBLIC NOTICE OF INTENT**

was published in said newspaper in the issues of
JANUARY 17, 2005

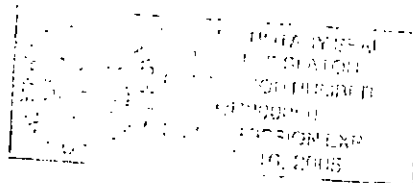
Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, this advertisement for publication in the said newspaper.

C. Pugh

Sworn to and subscribed by me, this 19 day
of JANUARY, A.D. 20 05

Personally Known or Produced Identification _____
Type of Identification Produced _____

Senae Lee Slator



**PUBLIC NOTICE OF INTENT
TO ISSUE AIR PERMIT**

Florida Department of
Environmental Protection
Project No. 0570040-019-AC
/ Draft Air Permit No.
PSD-FL-301C TECO - H. L.
Culbreath Bayside Power
Station Hillsborough
County, Florida

Applicant: The applicant for this project is the Tampa Electric Company (TECO). The applicant's authorized representative is Mr. Wade A. Maye, General Manager of the H. L. Culbreath Bayside Power Station. The applicant's mailing address is: H. L. Culbreath Bayside Power Station, Tampa Electric Company, P.O. Box 111, Tampa, Florida 33601-0111.

Facility Location: TECO operates the existing H. L. Culbreath Bayside Power Station (formerly the F. J. Gannon Station) in Tampa at 3602 Port Sutton Road in Hillsborough County, Florida.

Project: TECO is permitted to construct four combined cycle gas turbines systems (Bayside Units 1 - 4) to re-power the former F. J. Gannon Station. All six coal-fired Gannon boilers have been permanently shutdown. However, only Bayside Units 1 and 2 have been constructed and are in operation. The applicant proposes a revision of the current PSD air construction permit to add a phase of simple cycle operation and restricted distillate oil firing for the Bayside Unit 3A and 3B gas turbines. In addition, the project will extend the period of time to construct Bayside Units 3 and 4 as combined cycle gas turbine systems.

The existing power plant is a major facility in accordance with Rule 62-212.400, F.A.C., the regulatory program for the Prevention of Significant Deterioration (PSD) of Air Quality. It is located in Hillsborough County, an area that is currently in

attainment with the state and federal Ambient Air Quality Standards (AAQS) or otherwise designated as unclassifiable. New projects at this major facility are subject to PSD preconstruction review. Based on a PSD netting analysis that included emissions decreases from the shutdown Gannon boilers as well as emissions increases from the new Bayside Units, the Department concluded that the proposed project requires a determination of the Best Available Control Technology (BACT) for emissions of carbon monoxide (CO), particulate matter (PM/PM10), and volatile organic compounds (VOC). As a result of previous settlement agreements with EPA and the Department, the netting analysis allowed only a portion of the emissions decreases from the shutdown Gannon boilers.

For CO, PM/PM10, and VOC emissions, the Department determined BACT to be the efficient combustion of clean fuels. The proposed gas turbines offer high temperatures, thorough mixing, and sufficient residence time to provide uniform combustion and low emission levels of these pollutants. Fuels are limited to pipeline-quality natural gas and distillate oil with no more than 0.05% sulfur by weight. A water injection system will be used to reduce NOx emissions when firing distillate oil. Only Units 3A and 3B are authorized to fire distillate oil. During simple cycle operations, Units 3A and 3B may fire oil up to 700 full load equivalent hours per year. After conversion to combined cycle operation, Units 3A and 3B are restricted to firing distillate oil only as an emergency backup fuel if natural gas is not available. When Units 3 and 4 are constructed as combined cycle units, selective catalytic reduction (SCR) systems will be installed to reduce nitrogen oxide (NOx) emissions. Each gas turbine will be continuously monitored for emissions of carbon monoxide and nitrogen oxides.

Based on a separate PSD netting analysis, the Department determined that the project requires an air quality impact review for CO and VOC emissions. This netting analysis relied on the full actual emissions decreases from shutdown of the Gannon boilers to reflect expected actual impacts from this project. The project is not subject to an air quality impact review for particulate matter because actual emissions from the plant are expected to decrease by approximately 700 to 1000 tons per year.

No preconstruction monitoring or ambient impact analysis was required for VOC emissions because the potential increase was below the de minimis threshold of 100 tons per year established by rule. A significant impact analysis was conducted for CO emissions. The results predict a maximum 1-hour ambient CO concentration of 696.6 g/m3 and a maximum ambient 8-hour CO concentration of 224.8 g/m3. These levels are well below the regulatory thresholds and impacts from the project are not considered significant. No additional dispersion modeling was necessary. The applicant provided reasonable assurance that the project will not cause or contribute to adverse ambient air quality impacts.

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 Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114 and fax number is 850/921-9533.

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 address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. A copy of the complete project file is also available at the Air Resources Section of the Department's Southwest District Office at 3804 Coconut Palm Drive, Tampa, Florida 33619-8218 (Telephone: 813/744-6100). A copy of the complete project file may also be available at the Air Management Division of the Hillsborough County Environmental Protection Commission at 1900 9th Avenue, Tampa, FL 33605 (Telephone: 813/272-5530).

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air permit 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 a Final Permit in accordance with the conditions of the proposed Draft Permit 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.

Comments: The Permitting Authority will accept written comments concerning the Draft Permit for a period of thirty (30) days from the date of publication of the Public Notice. Written comments must be post-marked, and all email or facsimile comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address, email or

facsimile. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the Department's official web site for notices at <http://thorag.dep.state.fl.us/oww> and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a Revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen (14) days of publication of the attached Public Notice or within fourteen (14) days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an

explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when each petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.