PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection
Division of Air Resource Management, Office of Permitting and Compliance

Draft Air Permit No. 1050233-034-AC / PSD-FL-421
Tampa Electric Company
Polk Power Station
Polk County, Florida

Applicant: The applicant for this project is Tampa Electric Company (TEC). The applicant's authorized representative and mailing address is: Mr. Paul Carpinone, Tampa Electric Company Post Office Box 111 Tampa, Florida 33601-0111.

Facility Location: The Polk Power Station is an existing electrical generating facility that is located in Polk County at 9895 State Road 37 South in Mulberry, Florida.

Project: The project is construction of the Polk 2 Combined Cycle at the existing Polk Power Station. The Polk 2 Combined Cycle will be a "4-on-1" combined cycle unit with an electrical generating capacity of approximately 1,160 megawatts (MW). The project will utilize four existing 165 MW combustion turbine-electrical generators and will add four heat recovery steam generators (HRSG's) equipped with natural gas-fired duct burners, a single 500 MW steam turbine-electrical generator, a mechanical draft cooling tower, transmission upgrades and ancillary equipment. Ultralow sulfur fuel oil will be used as back-up fuel.

The project is subject to preconstruction review for the Prevention of Significant Deterioration (PSD) of Air Quality in accordance with Rule 62-212.400, Florida Administrative Code (F.A.C.). Best Available Control Technology (BACT) determinations were conducted for the following pollutants: volatile organic compounds (VOC), nitrogen oxides (NO_X), carbon monoxide (CO), sulfur dioxide (SO_2), sulfuric acid mist, particulate matter (PM), PM with an aerodynamic diameter less than or equal to 10 micrometers (PM_{10}), PM with an aerodynamic diameter less than or equal to 2.5 micrometers ($PM_{2.5}$) and sulfuric acid mist (H_2SO_4).

Based on the air permit application, the project will result in the following maximum annual emissions: 137.6 tons/year of VOC; 744.9 tons/year of NO_X; 935.0 tons/year of CO; 192.3 tons/year of SO_2; 188.3 tons/year of PM; 309.0 tons/year of PM_{10}; 308.6 tons/year of $PM_{2.5}$; 42.7 tons/year of sulfuric acid mist; and 18.2 tons/year of hazardous air pollutants (HAP).

The key emissions control for all pollutants will be lean premix combustion of clean fuels at high temperature. NO_X emissions when operating in combined cycle mode will be further controlled by selective catalytic reduction (SCR) to achieve 2 parts per million by volume, dry, at 15 percent oxygen (ppmvd @15% O_2) while burning gas and 8 ppmvd @15% O_2 while burning ULSD fuel oil. Emissions of CO will be controlled to 4.1 and 8 ppmvd @15% O_2 while burning gas and fuel oil respectively. Emissions of PM/PM_{10}/$PM_{2.5}$, SO_2, sulfuric acid mist and VOC will be controlled to very low levels by good combustion and use of inherently clean pipeline quality natural gas and ULSD fuel oil. Further control of $PM_{2.5}$ including the condensable fraction will be accomplished by limiting or monitoring emissions of the precursors and surrogates including NO_X, SO_2, ammonia and visible emissions.

The applicant submitted ambient air modeling result indicating minimal ground-level impacts. A PSD increment analysis was required for $PM_{2.5}$ for the 24-hour averaging period. The maximum predicted second high short-term average PSD Class II area impacts from this project and other increment-consuming sources in the vicinity of the proposed facility are shown below as micrograms per cubic meter ($\mu g/m^3$).

Pollutant	Averaging Time	Max Predicted Impact ($\mu g/m^3$)	Allowable Increment ($\mu g/m^3$)	Impact Greater Than Allowable Increment?	Percentage of Increment Consumed
$PM_{2.5}$	24-hour	7.29	9	No	81%

Based on the required analyses, the Department has reasonable assurance that the proposed project will not cause or significantly contribute to a violation of any ambient air quality standard or PSD increment.

The details of the Department's BACT determination and the air quality analysis are provided in the Technical Evaluation and Preliminary Determination document that can be accessed by entering 1050233-034-AC in the permit number field at the following web link: http://www.dep.state.fl.us/air/emission/apds/default.asp .

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, 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 Division of Air Resource Management's Office of Permitting and Compliance is the Permitting Authority responsible for making a permit

determination for this project. 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 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. In addition, electronic copies of these documents are available at web site given above.

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 the proposed equipment will not adversely impact air quality and that the project will comply with all applicable 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 proposed Draft Permit and requests for a public meeting for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 30-day period. In addition, if a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received comments result in a significant change to the Draft Permit, the Permitting Authority shall revise the 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 any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, 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 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 (in a proceeding initiated by another party) 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 when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (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 including an explanation of how the alleged facts relate to the specific rules or statutes; 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.

(Public Notice to be Published in the Newspaper)