PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT

Florida Department of Environmental Protection
Division of Air Resource Management, Bureau of Air Regulation
Draft Air Permit No. 0950137-020-AC
Orlando Utilities Commission
Curtis H. Stanton Energy Center Combined Cycle Unit B
Orange County

Applicant: The applicant for this project is the Orlando Utilities Commission (OUC). The applicant's authorized representative and mailing address is: Ms. Denise Stalls, Vice President, Environmental Affairs, Orlando Utilities Commission, Post Office Box 3193, Orlando, Florida 32802.

Facility and Location: OUC operates the existing Curtis H. Stanton Energy Center, which is located in Orange County at 5100 South Alafaya Trail, Orlando, Florida. The UTM coordinates for the site are 483.6 km East and 3151.1 North. The existing facility consists of two fossil fuel fired steam electric generating units (Stanton Units 1 and 2), and one natural gas-fueled combined cycle unit (Stanton Unit A). There are storage and handling facilities for solid fuels, fly ash, limestone, gypsum, slag, and bottom ash.

Project: On March 6, 2008 OUC submitted an application for an air construction permit pursuant to the rules for the Prevention of Significant Deterioration (PSD Permit) in Rule 62-212.400, Florida Administrative Code (F.A.C.) for a nominal 300 megawatts (MW) natural gas fueled combined cycle (NGCC) unit (Stanton Unit B) and ancillary equipment at the facility identified above. A determination of best available control technology (BACT) was required for emissions of carbon monoxide (CO), nitrogen oxides (NO_X), particulate matter (PM/PM_{10}) and sulfuric acid mist (SAM). Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

The project consists of: a nominal 150 MW General Electric 7FA combustion turbine-electrical generator, a duct fired heat recovery steam generator, a nominal 150 MW steam-electrical generator, a nominal 205-foot stack, a mechanical draft cooling tower with drift eliminators and a nominal 1,000,000 gallon fuel oil storage tank. Back-up ultra low sulfur diesel (ULSD) fuel oil (0.0015 percent sulfur) will be burned for a maximum of 1000 hours per year.

According to OUC the project is a revision of the natural gas-fueled portion of a previously permitted integrated coal gasification and combined cycle (IGCC). The new NGCC version of the project will allow firing of natural gas as the primary fuel, with ULSD fuel oil serving as a backup fuel, while removing the coal handling, gasification and synthetic gas cleanup components.

OUC's estimates of maximum potential annual emissions from the proposed NGCC project are summarized in the following table. The emissions from the former IGCC design are included for comparison.

Pollutants	IGCC Case Potential Emissions Tons Per Year	NGCC Case Potential Emissions Tons Per Year	PSD Significant Emission Rate Tons Per Year
CO	654	163	100
NO_X	1006 (-19)*	80	40
PM/PM_{10}	189/179	110/109	25/15
SAM	22.4	8	7
SO_2	162	55	40
VOC	129	19	40
Mercury	0.01	0.003	0.1

* Negative value is after consideration of concurrent reductions from existing coal-fueled Units 1 and 2.

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NO_X emissions will be controlled by selective catalytic reduction (SCR) to achieve 2 parts per million by volume, dry, at 15 percent oxygen (ppmvd) while burning gas and 8 ppmvd while burning ULSD fuel oil. Emissions of CO will be controlled to 4.1 and 8 ppmvd while burning gas and fuel oil respectively. Emissions of PM/PM_{10}, sulfur dioxide (SO_2), SAM and volatile organic compounds (VOC) will be controlled to very low levels by good combustion and use of inherently clean pipeline quality natural gas and ULSD fuel oil. Ammonia emissions (NH_3) generated due to NO_X control will be limited to 5 ppmvd.

According to the applicant, maximum predicted air quality impacts due to emissions from the proposed new project are less than the significant impact levels applicable to areas outside of the Everglades National Park and the Chassahowitzka Wilderness Area (i.e. PSD Class II Areas). Therefore, multi-source modeling was not required for ambient air quality standards or Class II increments. The project has no significant impact on the PSD Class I Chassahowitzka Wilderness and Everglades National Park areas. Based on the required analyses, the Department has reasonable assurance that the proposed project will not cause or contribute to a violation of any state or federal ambient air quality standard.

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 F.A.C. 62-4, 62-210, and 62-212. The proposed project is not exempt from air permitting requirements and a PSD 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, Mail Station (MS) 5505, 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 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 or phone number listed above. In addition, electronic copies of these documents are available by entering the file number provided above where indicted on the following web site:
http://www.dep.state.fl.us/air/eproducts/apds/default.asp .

Notice of Intent to Issue PSD 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 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 (and simultaneously rescind the previously issued PSD Permit for the IGCC project) 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.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

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Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be postmarked by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 30-day period. If written comments received 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, MS 35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 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 14 days of publication of the attached Public Notice or within 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 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. 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 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 Written 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.