

Orlando Utilities Commission  
6113 Pershing Avenue  
Orlando Florida 32822



# FACSIMILE COVER SHEET

## ENVIRONMENTAL DIVISION

FAX: 407/ 384-4062

Date: 7/06/06 Number of pages including this page 3

SENT TO: Name: Mr. Al Linero / Mr. Jeff Koerner

Company: FDEP - (Tallahassee)

Fax Number: 850- 921-9533

FROM: Name: ROSARIO CARACIOLI (FOR DENISE STALLS)

Phone: (407) 423-9100, X-4881

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# INVOICE

DATE	REFERENCE NUMBER	DESCRIPTION	AD SIZE	RATE	AMOUNT DUE
06/23/06	INV#370088001	PUBLIC NOTICE OF INTENT S1106844232 1X LEGAL AFFIDAVIT	2X2500 42.00	73.67	1298.00
		AMOUNT DUE			2.00
					1290.00

ORLANDO UTILITIES COMMISSION  
 ACCOUNTS PAYABLE  
 PO BOX 3193  
 ORLANDO FL 328023193

007433101  
 A074233710001

06/23/06 10

19 **Orlando Sentinel**  
 communications

publisher of  
**ORLANDO SENTINEL**  
 633 NORTH ORANGE AVENUE  
 ORLANDO, FLORIDA 32801  
 LEGAL ADVERTISING

# Orlando Sentinel

Published Daily

State of Florida }  
 COUNTY OF ORANGE }

s.s. 2006 JUN 29 PM 3 27

Before the undersigned authority personally appeared LE ANNE M. HILL

who on oath says that he/she is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published at ORLANDO in ORANGE County, Florida; that the attached copy of advertisement, being a PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT in the matter of FILE #095013-010-AC; PSD-FL-373; PAB1-145A3; was published in said newspaper in the issue; of 06/23/06 Court,

Affiant further says that the said Orlando Sentinel is a newspaper published at ORLANDO in said ORANGE County, Florida, and that the said newspaper has heretofore been continuously published in said ORANGE County, Florida, each Week Day and has been entered as second-class mail matter at the post office in ORLANDO in said ORANGE 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/she 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.

The foregoing instrument was acknowledged before me this 23 day of JUNE, 2006, by LE ANNE M. HILL who is personally known to me and who did take an oath.

(SEAL)

DEBORAH M. TONEY  
 Comm# 000482759  
 Expires 11/19/2009  
 Bond # 100,000.00

PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT  
 STATE OF FLORIDA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 DEP File No. #95013-010-AC, PSD-FL-373, and PA 8-145A3  
 OUC Curtis H. Stanton Energy Center Unit B  
 Integrated Gasification Combined Cycle  
 Orange County

The Department of Environmental Protection (Department) gives notice of its intent to issue a permit under the requirements for the Prevention of Significant Deterioration (PSD Permit) for Air Quality by Orlando Utilities Commission/Southern Power Company-Orlando Gasification LLC (OUC/SPS-OG). The permit is to construct a nominal 285 megawatt (MW) coal-fueled integrated gasification combined cycle (IGCC) to be known as Unit B at the Curtis H. Stanton Energy Center near Orlando, Orange County. A Best Available Control Technology (BACT) determination was required for emissions of carbon monoxide (CO), particulate matter (P/M/PM10), sulfur dioxide (SO2), sulfuric acid mist (SAM), and volatile organic compounds (VOC) pursuant to Rule 62.212.006(1)(c), Florida Administrative Code (F.A.C.). The applicant's name and address are Orlando Utilities Commission/Southern Power Company-Orlando Gasification LLC 5100 South Alafaya Trail, Orlando, Florida 32831.

Station Unit B will be fueled by synthetic gas (syngas) and/or natural gas. Subbituminous coal will be fed to an air-blown transport gasification system to produce syngas at high temperatures and high pressure. The following additional components are included: a syngas cleanup system; a natural gas and syngas-fired General Electric JFA-Fe combustion turbine-electrical generator (CT); a duct burner within a supplementary-fired heat recovery steam generator (HRSG); a steam turbine-electrical generator (STG); an exhaust stack; and a multi-point ground flare.

The project was selected by the Department of Energy for funding under Round 2 of the Clean Coal Power Initiative. There are four large coal-fueled IGCC units in the world for electrical power service. This is the second coal-fueled IGCC in Florida and the first in the United States based on air-blown gasification of low rank subbituminous coal that comprises a great portion of the fossil fuel resources available in this country. Per 403.001(14), F.S., the Department has the power and the duty to encourage and conduct studies, investigations, and research relating to pollution and its causes, effects, prevention, abatement, and control.

The high pressure and pre-combustion treatment of the syngas facilitates air pollution control by minimizing the volume of gas processed. The syngas cleanup system includes: high temperature and high pressure ash removal; ammonia removal and recovery for internal use or sale; mercury (Hg) removal through an activated carbon bed filter; and sulfur removal and recovery for sale.

Treatment during combustion includes diluent nitrogen (N2) in the syngas to reduce NOx and good combustion in the CT and duct burner to reduce CO and VOC. Post combustion treatment consists of demonstration of a selective catalytic reduction (SCR) for NOx control. The Department's BACT determination requires the installation/demonstration of oxidation catalyst for further control of CO, VOC, and hazardous air pollutants (HAP). The Department also requires continuous emissions monitoring systems (CEMS) for NOx, SO2, CO and Hg.

(LEAS) for NOx, SO2, CO and Hg.

The applicant, OUC/SPS-OG, voluntary proposed on Hg limit of 7.7 x10-4 pounds per megawatt-hour (lb/MWH). The value is 36% of the recently promulgated federal requirement of 20 x10-4 lb/MWH for coal-fueled IGCC units under 40CFR60, Subpart Da - Standards of Performance for Electric Utility Steam Generating Units. The Department has evaluated the proposed carbon adsorption technology and believes that emissions will be significantly less than estimated.

OUC has agreed to a cap on NOx emissions from Units 1 and 2 to permanently offset the maximum emissions of 106 tons per year (TPY) from Unit 8. Therefore a BACT determination for NOx was not required for the project. The actual emissions from Unit 8 will be less than the decrease from Units 1 and 2 and will be more precisely known during and after the SCR demonstration on Unit 8.

The following table is a summary of the maximum emissions expected from Stanton Unit 8 when burning syngas or natural gas and with the natural gas-fired duct burner in operation. Values given in terms of parts per million by volume, dry are corrected to 15% oxygen (ppmv @15%O2).

Table with 7 columns: Parameter, Unit, Syngas, Natural Gas, Duct Burner, Total, and Limit. Rows include SO2, NOx, CO, Hg, and various particulates.

According to the applicant and as verified by the Department, maximum predicted air quality impacts due to worst case emissions from the proposed new project are less than the significant impact levels applicable to all PSD Class I and II areas and including the nearest PSD Class I Chassahowitzka National Wilderness Area. Therefore, multi-source (PSD increment) modeling was not required. Based on the required analysis, 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.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit, unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for a public meeting concerning the proposed permit issuance action for a period of 30 (thirty) days from the date of publication of this Public Notice of Intent to issue PSD Permit. Written comments or requests for public meetings should be provided to the Department's Bureau of Air Regulation at 2580 Blair Stone Road, Mail Station 6585, Tallahassee, FL 32399-2600 or the e-mail address provided below. Any written comments filed shall be made available for public inspection. If comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and reissue, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitions for a hearing are set forth below. This PSD permitting action is being coordinated with a certification under the Power Plant Siting Act (Sections 403.501-519, F.S.). If a petition for an administrative hearing on the Department's intent to issue is filed by a substantially affected person, that hearing shall be consolidated with the certification hearing, as provided under Section 403.507(3). Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of State, Constitutionality Boulevard, Mail Station 833, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department'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 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 indicate; (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 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 Department'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 28.106.201, F.A.C. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Protection, Bureau of Air Regulation, 111 S. Magnolia Blvd., Suite 4, Tallahassee, Florida 32301, Telephone: 904/904-6114, Fax: 904/923-6777. Department of Environmental Protection, Central District Office, 2319 Magnolia Boulevard, Suite 222, Ocala, Florida 32803-9702, Telephone: 407/914-7502, Fax: 407/917-1296.

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential record under Section 403.111, F.S. Interested persons may contact Alvarez A. Linares, P.E., Program Administrator, South Palm Building, Bureau of Air Regulation at: alvarez.a@doe.state.fl.us and at 850/921-9523 or call 850/400-6114 for additional information. The application, key correspondence, draft permit and technical evaluation can be accessed at: www.doe.state.fl.us/Air/permits/constructive/oucs000.htm. COR 8/4/03