



March 15, 2006

A.A. Linero, P.E.  
Program Administrator, South Permitting  
Department of Environmental Protection  
Bureau of Air Regulation  
111 S. Magnolia Drive, Suite 4  
Tallahassee, FL 32399-2400

RECEIVED

MAR 17 2006

BUREAU OF AIR REGULATION

Re: **Florida Power & Light Company  
West County Energy Center Project  
Proof of Publication of Notice of Intent to Issue PSD Permit  
DEP File No. 0990646-001-AC (PSD-FL-354)**

Dear Mr. Linero,

Pursuant to Chapter 50 of the Florida Statutes and Rule 62-17.135(1)(c) of the Florida Administrative Code, Florida Power & Light Company published the DEP's Public Notice of Intent to Issue PSD permit for the West County Energy Center in the Palm Beach Post, a newspaper of general circulation in the area affected.

The Notice of Intent to Issue a Permit appeared in the legal classifieds section of the Palm Beach Post on Thursday, March 9, 2005. Enclosed is an original copy of the proof of publication.

Please contact me with any questions at (561) 691-7067 or contact Barbara Linkiewicz at (561) 691-7518.

Sincerely,

  
Rachel Godfro  
Environmental Specialist

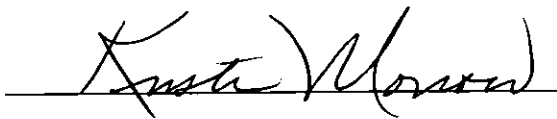
cc: Steven Palmer, FDEP Siting Office  
Barbara Linkiewicz, FPL  
Peter Cunningham, Hopping Green & Sams  
Ken Kosky, Golder Associates

THE PALM BEACH POST  
Published Daily and Sunday  
West Palm Beach, Palm Beach County, Florida

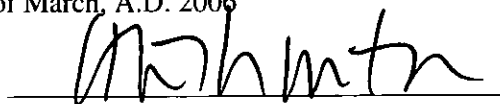
PROOF OF PUBLICATION

STATE OF FLORIDA  
COUNTY OF PALM BEACH

Before the undersigned authority personally appeared **Kristi Morrow**, who on oath says that she is **Customer Service Supervisor** of The Palm Beach Post, a daily and Sunday newspaper, published at West Palm Beach in Palm Beach County, Florida; that the attached copy of advertising for a **Notice** in the matter of **DEP File #0990646-001-AC** was published in said newspaper in the issues of **March 9, 2006**. Affiant further says that the said The Post is a newspaper published at West Palm Beach, in said Palm Beach County, Florida, and that the said newspaper has heretofore been continuously published in said Palm Beach County, Florida, daily and Sunday and has been entered as second class mail matter at the post office in West Palm Beach, in said Palm Beach 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/he 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.



Sworn to and subscribed before 9<sup>th</sup> day of March, A.D. 2006



Personally known XX or Produced Identification \_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_



Karen M. McLinton  
Commission # DD359566  
Expires: NOV 15, 2008  
Bonded Thru  
Atlantic Bonding Co., Inc.

NO. 5399346  
PUBLIC NOTICE OF  
INTENT TO ISSUE PSD  
PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION  
DEP File No.  
0990646-001-AC  
(PSD-FL-354)  
FPL West County  
Energy Center  
Palm Beach 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 of Air Quality (PSD Permit) to the Florida Power & Light Company (FPL). The permit is one of several authorizations needed to construct two nominal 1,250 megawatts (MW) combined cycle units at the proposed FPL West County Energy Center at 4000 205th Street, North in unincorporated Palm Beach County. A determination of Best Available Control Technology (BACT) was required pursuant to Rule 62-212.400(8), Florida Administrative Code (FAC) for emissions of carbon monoxide (CO), nitrogen oxides (NOx), particulate matter (PM/PM10), sulfur dioxide (SO2), sulfuric acid mist (SAM), and volatile organic compounds (VOC). The applicant's corporate address is Florida Power & Light Company, 700 Universe Boulevard, Juno Beach, Florida 33408.

The two proposed combined cycle units will each consist of: three nominal 250 MW combustion turbine-electrical generators; three supplementary-fired heat recovery steam generators (HRSGs); a single nominal 500 MW steam-electrical generator; a 26-cell mechanical draft cooling tower; and three exhaust stacks. Additional equipment not necessarily associated with a specific unit includes: two 6.3 million gallon diesel fuel storage tanks; two 99.8 MMBtu/hr auxiliary boilers; four 2250 KW emergency generators; and other associated support equipment.

Each combined cycle unit will be permitted to operate continuously while firing inherently clean natural gas. Ultra low sulfur (0.0015 percent sulfur) distillate fuel oil will be allowed as backup fuel for 500 hours per year per combustion turbine. Gas-fired duct burners located within the HRSGs will be used for limited periods of time to raise additional steam for use in the steam turbine-electrical generator.

Selective catalytic reduction (SCR) systems with ammonia injection will be used in conjunction with Dry Low-NOx combustion (gas firing) and wet injection (oil firing) to control NOx emissions. The Department's proposed BACT NOx emission limit is 2.0 parts per million by volume, dry corrected to 15 percent oxygen (ppmvd @ 15% O2) of NOx while firing natural gas. Sufficient catalyst will be used to minimize emissions of ammonia reagent. The Department's proposed NOx limit while firing ultra low sulfur fuel oil is 8 ppmvd @ 15% O2. The Department's proposed BACT CO emission limit is 8.0 ppmvd @ 15% O2 on a 24-hour basis while burning gas, ultralow sulfur fuel oil, or using the duct burners. A CO limit of 8 ppmvd @ 15% O2 applies on a 12-month rolling average. A BACT CO limit of 4.1 ppmvd @ 15% O2 applies during initial and annual full load tests while burning natural gas without use of the duct burners.

Emissions of CO, PM/PM10, SAM, SO2, and VOC will be minimized by the efficient, high-temperature

combustion of inherently clean fuels. Emissions of CO and NOx will be continuously monitored to demonstrate compliance with the conditions of the permit. BACT determinations for the ancillary equipment such as auxiliary boilers, fire pump engines, process heaters, cooling tower, and emergency generators are detailed in the Technical Evaluation and Preliminary determination. The complete set of proposed emission limits is available at the Department offices, the Palm Beach County Health Department, and the website address indicated below.

The applicant's initial estimates of maximum potential annual emissions from the project are summarized in the following table.

Pollutant	Maximum Tons Per Year	PSD Significant Emission Rate Tons Per Year	PSD Review Required?
CO	868	100	Yes
Pollutant			
Pb	0.050	0.6	No
NOx	841	40	Yes
PM/PM10	511/420	25/15	Yes
SO2	407	40	Yes
SAM	41	7	Yes
VOC	178	40	Yes

According to the applicant, maximum predicted air quality impacts due to emissions from the proposed new project are less than the modeling significant impact levels applicable to areas in the vicinity of the project (i.e. PSD Class II Areas) for all pollutants except for the 24-hour PM10 impacts. Therefore, multi-source modeling PSD increment consumption modeling was required only for the 24-hour PM10 averaging time. The maximum predicted project impacts in the Class I Everglades National Park (ENP) are less than the applicable modeling significant impact levels for all pollutants except for the 24-hour PM10 impacts. Therefore multi-source modeling was required only for the 24-hour PM10 impacts on the ENP. The results of this multi-source increment consumption modeling are shown in the table below.

Pollutant	PM10 PSD Increment Consumed (ug/m3)	Class II 24-hour 9	Allowable Increment (ug/m3)	Percent Increment Consumed
PM10 PSD Increment Consumed (ug/m3)	31	30	30	31
Class I 24-hour 9	8	8	8	24

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 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 thirty (30) 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 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400 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 require, 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 petitioning 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 at 3900 Commonwealth Boulevard, Mail Station #35, 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 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 28-106.301, 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 Drive,  
 Suite 4  
 Tallahassee, Florida  
 32399-2400  
 Telephone: 850/488-0114  
 Fax: 850/922-6979  
 Department of  
 Environmental Protection  
 Southeast District Office  
 400 North Congress Avenue  
 West Palm Beach, FL  
 33416-5425  
 Telephone: 561/681-6600  
 Fax: 561/681-6790  
 Palm Beach County  
 Public Health Unit  
 Environmental Health &  
 Engineering Services  
 901 Evernia Street  
 West Palm Beach, Florida  
 33402  
 Telephone: 561/355-3136  
 Fax: 561/355-2442  
 The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the authorized representative, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Program Administrator, South Permitting Section at the Bureau of Air Regulation at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114 for additional information. The application, key correspondence, draft permit and technical evaluation can be accessed at [www.dep.state.fl.us/air/permitting/construction/westcounty.htm](http://www.dep.state.fl.us/air/permitting/construction/westcounty.htm)  
 PUB: The Palm Beach Post  
 March 9, 2006