



**FPL**

April 26, 2010

FPLNNP-10-0129

Mr. Jeffrey F. Koerner, Administrator, New Source Review Section  
Florida Department of Environmental Protection  
Bureau of Air Regulation  
111 South Magnolia St.  
Tallahassee, FL 32399

**RECEIVED**  
**APR 27 2010**  
**BUREAU OF**  
**AIR REGULATION**

Re: FPL Turkey Point Units 6 & 7 Project  
Prevention of Significant Deterioration Draft Permit  
Project No. 0250003-013-AC (PSD-FL-409) - Public Notice

Dear Mr. Koerner:

Enclosed is a copy of the Proof of Publication for the "Public Notice of Intent to Issue Air Permit" for the Turkey Point Units 6 & 7 Prevention of Significant Deterioration (PSD) Draft Air permit, (permit number PSD-FL-409). Please note that the Public Notice was published in The Miami-Herald newspaper on April 23, 2010. If you have any questions regarding the attached, please feel free to contact me at (561) 691-7518 or Matthew Raffenberg at (561) 691-2808.

Sincerely,  
FLORIDA POWER & LIGHT COMPANY

Barbara P. Linkiewicz  
Director of Environmental Licensing

Attachment

cc: Timothy Gray, FDEP Southeast District Office  
Michael Halpin, FDEP Siting Office  
Trina Vielhauer, FDEP Bureau of Air Regulation  
Peter Cunningham, Esq., Hopping Green & Sams P.A.  
Kennard Kosky, Golder Associates Inc.  
Lennon Anderson, FDEP Southeast District  
Patrick Wong, Miami-Dade DERM  
Mallika Muthias, Miami-Dade DERM

Dee Morris, National Park Service, Air  
Resources Division  
Kathleen Forney, EPA Region 4  
Heather Abrams, EPA Region 4  
Ana M. Oquendo, EPA Region 4  
Vickie Gibson, FDEP BAR Reading File  
Matthew J. Raffenberg, FPL  
Michael S. Tammaro, Esq., FPL

*Florida Power & Light Company*

*700 Universe Blvd*

*Juno Beach, FL 33408*

**PUBLISHED DAILY  
MIAMI-DADE-FLORIDA**

**STATE OF FLORIDA  
COUNTY OF MIAMI-DADE**

Before the undersigned authority personally,  
appeared:

**ORFINDA ARRIETA**

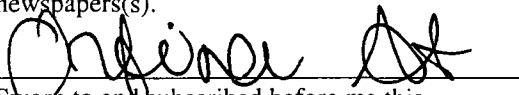
Who on oath says that he/she is

**CUSTODIAN OF RECORDS**

of The Miami Herald, a daily newspaper published at  
Miami in Miami-Dade County, Florida; that the  
attached copy of advertisement was published in said  
newspaper in the issues of:

April 23, 2010

Affiant further says that the said The Miami Herald  
is a newspaper published at Miami, in the said  
Miami-Dade County, Florida and that the said  
newspaper has heretofore been continuously published  
in said Miami-Dade County, Florida each day and has  
been entered as second class mail matter at the post  
office in Miami, in said Miami-Dade 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 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  
newspapers(s).

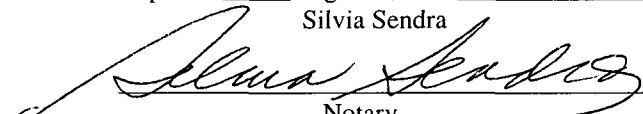
  
Sworn to and subscribed before me this

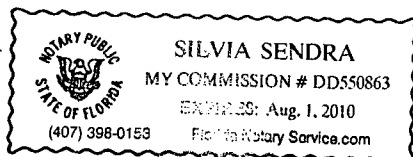
23<sup>rd</sup> day of April 2010

My Commission

Expires: August 1, 2010

Silvia Sendra

  
Notary



# PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection

Division of Air Resource Management, Bureau of Air Regulation

Draft Air Permit No. PSD-FL-409 / Project No. 0250003-013-AC Florida Power & Light Company,  
Turkey Point Power Plant Cooling Tower Project Miami-Dade County, Florida

**Applicant:** The applicant for this project is the Florida Power & Light Company. The applicant's authorized representative and mailing address is: Randall R. LaBaue, Vice President, Environmental Services, Florida Power & Light Company, 700 Universe Boulevard, Juno Beach, Florida, 33408.

**Facility Location:** The Florida Power & Light Company operates the existing Turkey Point Power Plant, which is located in Miami-Dade County at 9700 Southwest 344<sup>th</sup> Street in Homestead, Florida.

**Project:** To support the proposed new nuclear Units 6 and 7 at the existing Turkey Point Power Plant, the applicant (Florida Power & Light Company) plans to construct and operate six 12-cell circulating water cooling towers; two 2-cell service water cooling towers; four standby diesel generators; four ancillary diesel generators; two diesel fire pump engines; diesel tanks and miscellaneous general purpose diesel engines to power a variety of support equipment. Large amounts of cooling water will be circulated to cool components of the proposed new nuclear units. The circulating water cooling towers will transfer heat from the warmed cooling water to air exhausted from the towers by large fans. The circulating water cooling towers will use reclaimed water from the Miami-Dade Water and Sewer Department, which will be further treated by the water treatment facility at the Turkey Point Power Plant. As a backup source of cooling water, saltwater can be pulled from radial collector wells. Cooling water will consist of reclaimed water as the primary source, saltwater as a backup source, or a combination of reclaimed and saltwater. The small service water cooling towers will use service (potable) water.

Particles trapped in water droplets may be emitted from the cooling towers as "droplet drift" that is carried out with the warm exhaust air. High-efficiency mist eliminators will be installed to minimize drift. When using reclaimed water, potential emissions from the large cooling towers are estimated to be 55 tons/year of particulate matter (PM) and 21 tons/year of particulate matter with a mean diameter of 10 microns or less (PM<sub>10</sub>). When using saltwater that contains a much higher solids content as a backup source of cooling water, potential emissions from the cooling towers are estimated to be 943 tons/year of PM and less than 10 tons/year of PM<sub>10</sub>. The project will also result in the following estimated potential emissions increases from the small service water cooling towers and diesel engines: 25 tons/year of carbon monoxide; 36 tons/year of nitrogen oxides; 4 tons/year of PM; 3 tons/year of PM<sub>10</sub>; less than 1 ton/year of sulfur dioxide (SO<sub>2</sub>); and 4 tons/year of volatile organic compounds (VOC).

The proposed new cooling tower project triggers preconstruction review pursuant to Rule 62-212.400, Florida Administrative Code (F.A.C.) for the Prevention of Significant Deterioration (PSD) of Air Quality for PM and PM<sub>10</sub> emissions. In accordance with this rule, the Department is required to make a determination of the Best Available Control Technology (BACT) for PM and PM<sub>10</sub> emissions. The draft permit includes the following preliminary BACT determinations for PM and PM<sub>10</sub> emissions: a maximum design droplet drift rate of 0.0005% of the circulating water flow rate from the cooling towers; and the use of ultra low sulfur diesel (0.0015% sulfur by weight, maximum) in the diesel-powered engines.

The project also includes the following temporary equipment that will be used to construct the permanent equipment: two temporary construction boilers and a concrete batch plant. Although this equipment will be subject to industry-specific state and federal regulations, emissions from the temporary equipment are considered secondary emissions and are not included when determining the potential to emit; therefore, BACT determinations are not required for these construction activities since emissions will be temporary and occur before the permanent emissions units are fully operational.

The Department reviewed the air quality analysis prepared by the applicant. The project has no predicted significant impact for any pollutants either in the PSD Class II area (vicinity of the project) or in the nearest PSD Class I area (Everglades National Park). Therefore, a multi-source modeling analysis for PSD increment was not required. Based on the air quality analysis, emissions from the project will not significantly contribute to, or cause a violation of, any state or federal ambient air quality standards.

**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 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.

**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 on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

**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 (Telephone: 850/245-2241; Fax: 850/245-2303). 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.

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