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. 0110036-010-AC
Florida Power & Light Company, Port Everglades Plant
Broward County, Florida

Applicant: The applicant for this project is Florida Power & Light Company (FPL). The applicant's authorized representative and mailing address is: Mr. Randall R. LaBauve, Vice President, FPL, 700 Universe Boulevard, JES/JB, Juno Beach, Florida 33408.

Facility Location: FPL operates the existing Port Everglades Plant, which is located in Broward County at 8100 Eisenhower Boulevard in Fort Lauderdale, Florida.

Project: FPL proposes to construct a nominal 1,250 megawatts (MW) natural gas-fueled combined cycle unit (Unit 5) and ancillary equipment. The project includes the permanent shutdown and dismantling of four natural gas and residual fuel oil-fired fossil fuel steam generators with a total nominal capacity of 1,200 MW and their respective 344-foot stacks. Unit 5 will be called the Port Everglades Next Generation Clean Energy Center (PEEC). A Prevention of Significant Deterioration (PSD) review and determinations of Best Available Control Technology (BACT) were not required pursuant to the Rule 62-212.400, Florida Administrative Code (F.A.C). Details of the project are provided in the application and the Technical Evaluation and Preliminary Determination available at:

www.dep.state.fl.us/Air/emission/construction/port_everglades.htm

Combined cycle Unit 5 will consist of: three nominal 250 MW combustion turbine generators (CTGs) with evaporative inlet cooling systems; three supplementary-fired heat recovery steam generators (HRSG) equipped with selective catalytic reduction (SCR) reactors; three 149 foot exhaust stacks; and a common nominal 500 MW steam turbine generator. The CTGs are subject to the emission standards contained in Title 40 Code of Federal Regulations, Part 60 (40 CFR 60), Subpart KKKK-Standards of Performance for Stationary Combustion Turbines (Rule 62-204.800(8)(b)81, F.A.C.

Ancillary equipment includes: an auxiliary boiler; two diesel-fueled emergency generators; two natural gas-fired fuel heaters; one diesel-fueled fire pump engine; a natural gas-fueled gas compression station; and two temporary construction boilers.

The PEEC will be permitted to operate continuously while firing natural gas. Use of ultra low sulfur diesel (ULSD) fuel oil will be allowed as backup fuel up to the fuel equivalent of 3,000 hours aggregated over the three CTG during any calendar year.

There will be very substantial decreases in the regulated air pollutants except for volatile organic compounds and carbon monoxide. The maximum potential annual emissions from the PEEC project are summarized below for comparison with recent annual emissions from the four units slated for shut down.

Pollutant	Baseline Actual Emissions, Units 1-4 tons/year	PEEC Potential Emissions tons/year	Net Emissions Increases (Decreases) tons/year
Sulfur Dioxide (SO_2)	9,494	211	(9,283)
Particulate Matter (PM/PM_{10})	604	246	(358)
Nitrogen Oxides (NO_X)	4,260	382	(3,878)
Carbon Monoxide (CO)	885	958	73
Volatile Organic Compounds (VOC)	76.9	106	29.1
Sulfuric Acid Mist (SAM)	422.3	40.4	(382)
Lead (Pb)	0.10	0.05	(0.05)

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The SCR systems with ammonia injection will be used in conjunction with lean premixed fuel combustion (Dry Low NO_X) to control NO_X emissions when operating on natural gas. The SCR systems will also be used in conjunction with wet injection to control NO_X when firing back up ULSD fuel oil.

Emissions of CO, PM/PM_{10}, SAM, SO_2, and VOC will be minimized by the efficient, high-temperature combustion of inherently clean fuels. Continuous emission monitoring systems (CEMS) will be used to continuously measure and demonstrate compliance will the permitted NO_X emission standards.

Emissions from ancillary equipment will be controlled by use of inherently clean fuels and the requirements of the applicable New Source Performance Standards at 40 CFR 60 and the National Emission Standards for Hazardous Air Pollutants at 40 CFR 63.

Although the project did not trigger a PSD review, the applicant conducted an ambient air quality impact analysis to demonstrate that with the three shorter 149-foot stacks the project will not cause or contribute to a violation of the ambient air quality standards.

The lower NO_X emissions will reduce ozone (smog) formation potential and nitrate fallout into local watersheds. The lower PM/PM_{10}, SO_2 and SAM emissions will minimize visible stack emissions, acid deposition, and fine particulate ($PM_{2.5}$) formation in the environment. The overall air impacts due to the project are all favorable.

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 of the Florida Administrative Code (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 Permitting Authority responsible for making a permit determination for this project is the Office of Permitting and Compliance in the Department of Environmental Protection's Division of Air Resource Management. 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, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's phone 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 the physical address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available at the previously mentioned website.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of 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 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 for a period of 14 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 14-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.

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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 at 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 rights will be affected by the agency determination; (c) A statement of when and how the 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 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 for this proceeding.

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