FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTINEZ CENTER
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Sent by Electronic mail – Received Receipt Requested

Mr. David Williams, Plant General Manager
Florida Power and Light Company (FPL)
700 Universe Blvd
Juno Beach, Florida 33408

Re: Permit Nos. 0850001-032-AC (PSD-FL-146H / PSD-FL-327F) and 0850001-033-AV
Martin Power Plant
Air Construction Permit Revision and Renewed Title V Air Operation Permit

Dear Mr. Williams:

Enclosed are the replacement permit packages for an air construction permit revision and a renewed draft/proposed Title V air operation permit for the Martin Power Plant. This action re-issues and replaces the Notice of Intent to Issue Air Permits that was issued on August 9, 2013, for this project in order to address comments that were received on the original Notice of Intent. This existing facility is located in Martin County, at 21900 Southwest Warfield Boulevard, Indiantown, Florida.

The permit package includes the following documents:

- The draft air construction permit and supporting technical evaluation and preliminary determination document.
- The statement of basis, which summarizes the facility, the equipment and the primary rule applicability for the initial Title V air operation permit.
- The draft/proposed renewed Title V air operation permit, which includes the specific permit conditions that regulate the emissions units covered by the proposed project.
- The Written Notice of Intent to Issue Air Permits provides important information regarding: the Permitting Authority's intent to issue air permits for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue air permits; the procedures for submitting comments on the draft permits; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The Public Notice of Intent to Issue Title V Air Permit must be published as soon as possible and the proof of publication must be provided to the Department within seven days of the date of publication. Because this permit is being processed as a combined draft/proposed permit in order to reduce processing time, a duplicate copy of the proof of publication must also be transmitted by electronic mail within seven days of the date of publication to Ms. Ana Oquendo at EPA Region 4 at the following address: oquendo.ana@epa.gov.

If you have any questions, please contact the Project Engineer, Yousry (Joe) Attalla, by telephone at (850) 717-9078 or by email at yousry.attalla@dep.state.fl.us.

Sincerely,

Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

Enclosures
JFK/jh/yha

In the Matter of an
Application for an Air Construction Permit Revision and a Renewed Title V Air Operation Permit by:

Florida Power and Light Company
700 Universe Blvd
Juno Beach, Florida 33408

Responsible Official:
Mr. David Williams, Plant General Manager

Permit Nos. 0850001-033-AV and 0850001-032-AC
(PSD-FL-146H / PSD-FL-327F)
Facility ID No. 0850001
Martin Power Plant
Air Construction Permit Revision
Title V Air Operation Permit Renewal
Martin County, Florida

Facility Location: FPL operates the existing Martin Power Plant, which is located in Martin County at 21900 Southwest Warfield Boulevard, Indiantown, Florida.

Project: The purpose of this project is to issue an air construction permit revision and a renewed Title V air operation permit for the above facility. Details of the project are provided in the application and the enclosed Statement of Basis. The Title V air operation permit renewal incorporate minor revisions from air construction permit No. 0850001-032-AC (PSD-FL-146H / PSD-FL-327F), issued concurrently with this permit.

The permit revision is made to revise several specific conditions of previously issued air construction permit No's PSD-FL-146 and 0850001-020/PSD-FL-327C (previously revised permit Nos. 0850001-010-AC/PSD-FL-327 and.0850001-016-AC/PSD-FL-327B) for the combined cycle combustion turbine systems. The revised permit conditions are related to excess emissions provisions for the gas combustion turbines during periods of startup and shut down, excess emissions while conducting Dry Low NO_X (DLN) tuning, as well as Full Speed No Load (FSNL) trip test, which is recommended by the equipment manufacturer following a major overhaul and/or maintenance outage. The revised language provides FPL with more flexibility and consistency with the provisions contained in the Title V permits for similar emissions units at other FPL facilities. Also, FPL requested that annual and renewal carbon monoxide tests be utilized as a surrogate in lieu of the required annual and renewal Volatile Organic Compounds (VOC) tests for the gas combustion turbines, and to eliminate conditions pertaining to fuel oil firing for the Auxiliary Boiler EU 007.

Other minor changes were made as described in the project's Technical Evaluation and Preliminary Determination document.

The facility consists of two oil and natural gas fired conventional fossil fuel steam electric generating stations (Units 1 and 2), two oil and natural gas fired combined cycle combustion turbine systems Units 3 and 4 (two "2-on-1" sets) with a matched unfired heat recovery steam generator (HRSG), four oil and natural gas fired combined cycle combustion turbines system, collectively regulated as Unit 8 (one "4-on-1" set) with gas-fired HRSG, and associated support equipment. There is also a solar thermal facility on-site that produces steam, which is used to augment the steam produced by the Unit 8 HRSGs, thus reducing fossil fuel use in the duct burners when adequate sunlight is available.

This facility also includes one auxiliary boiler, emergency generators, four hurricane emergency shelter stationary spark ignition engine driven generators, two storage oil tanks, a mechanical cooling tower, and four electrical fuel line heaters (to heat up the natural gas fuel prior to introduction into the CT, when needed). Also included in this permit are additional unregulated emissions units identified as facility-wide particulate matter (PM) and volatile organic compounds (VOC) emissions.

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.

Applications for Title V air operation permits with Acid Rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214 of the Florida

Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility.

The Office of Permitting and Compliance in the Division of Air Resource Management is the Permitting Authority responsible for making a permit determination for these projects. The Permitting Authority's physical address is: 2600 Blair Stone Road, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone 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 address indicated above for the Permitting Authority. The complete project file includes the draft air construction permit revision, the technical evaluation and preliminary determination, the draft/proposed Title V air operation permit, the statement of basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft permits by visiting the following website: http://www.dep.state.fl.us/air/emission/apds/default.asp and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permits: The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. This Notice of Intent withdraws and replaces the Notice of Intent that was issued on August 9, 2013. 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 with the conditions of the draft air construction 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.

The Permitting Authority gives notice of its intent to issue a renewed Title V air operation 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, 62-213, 62-214, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a proposed permit and subsequent final permit in accordance with the conditions of the draft/proposed permit unless a response received in accordance with the following procedures 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 the 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.

Comments: The Permitting Authority will accept written comments concerning the draft air construction 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 air construction permit, the Permitting Authority shall revise the draft air construction permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

The Permitting Authority will accept written comments concerning the draft/proposed Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by

the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly (FAW). 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 written comments or comments received at a public meeting result in a significant change to the draft/proposed permit, the Permitting Authority shall issue a revised draft/proposed permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

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. 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. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, Agency.Clerk@dep.state.fl.us, before the deadline. 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, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile 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 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 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.

EPA Review: EPA has agreed to treat the draft/proposed Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the

public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: oquendo.ana@epa.gov. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: http://www.epa.gov/region4/air/permits/florida.htm.

Objections: Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at: http://www.epa.gov/region4/air/permits/florida.htm.

Executed in Tallahassee, Florida.

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Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that either this Written Notice of Intent to Issue an Air Construction Permit and a Renewed Title V Air Operation Permit (including the Public Notice, the Statement of Basis, the Draft Permits and Technical Evaluation and Preliminary Determination), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. David Williams, Plant General Manager, FPL: david.williams@fpl.com
Mr. Jeffrey Zuczek, FPL: jeffrey.zuczek@fpl.com
Mr. Joe Lurix, DEP Southeast District Office: joe.lurix@dep.state.fl.us
Mr. Kennard Kosky, P.E., Golder Associates: kkosky@golder.com
Ms. Katy Forney, U.S. EPA Region 4: forney.kathleen@epa.gov
Ms. Heather Ceron, U.S. EPA Region 4: ceron.heather@epa.gov
Ms. Ana Oquendo, U.S. EPA Region 4: oquendo.ana@epa.gov
Ms. Natasha Hazziez, U.S. EPA Region 4: hazziez.natasha@epa.gov
Ms. Barbara Friday, DEP OPC: barbara.friday@dep.state.fl.us
Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.