



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

February 27, 2009

*Electronic Mail – Received Receipt Requested.*

Mr. Dwayne Harper, Plant General Manager  
Florida Power and Light Company  
4300 SW 42<sup>nd</sup> Street  
Fort Lauderdale, Florida 33414

Re: Permit No. 0110037-006-AC, PSD-FL-145B  
Lauderdale Plant  
Air Construction Permit Modification

Dear Mr. Harper:

Enclosed is the draft permit package for an air construction permit modification for the Lauderdale Plant. This facility is located in Broward County, 2 miles West of Ravenswood Road, in Fort Lauderdale, Florida. The permit package includes the following documents:

- The draft air construction permit and supporting technical evaluation and preliminary determination document.
- The Written Notice of Intent to Issue Air Permit Modification provides important information regarding: the Permitting Authority's intent to issue an air permit for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue air permit; the procedures for submitting comments on the draft permit; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permit Modification 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 Modification 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.

If you have any questions, please contact the Project Engineer, Tom Cascio, by telephone at 850-921-9526 or by email at [Tom.Cascio@dep.state.fl.us](mailto:Tom.Cascio@dep.state.fl.us).

Sincerely,

Trina L. Vielhauer, Chief  
Bureau of Air Regulation

TLV/jkh/tbc

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT MODIFICATION

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*In the Matter of an  
Application for Air Permit by:*

Florida Power and Light Company  
4300 SW 42<sup>nd</sup> Street  
Fort Lauderdale, Florida 33414

*Responsible Official:*

Mr. Dwayne Harper, Plant General Manager

Permit No. 0110037-006-AC, PSD-145B  
Facility ID No. 0110037  
Lauderdale Plant  
Air Construction Permit Modification  
Broward County, Florida

**Facility Location:** Florida Power and Light Company operates the Lauderdale Plant, which is located in Broward County, 2 miles West of Ravenswood Road, in Fort Lauderdale, Florida.

**Project:** The purpose of this project is to issue an air construction permit modification (0110037-006-AC, PSD-145B). Details of the project are provided in the application.

**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 Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. 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 telephone 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 the address indicated above for the Permitting Authority. The complete project file includes the draft permit, 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 permit by visiting the following website: <http://www.dep.state.fl.us/air/eproducts/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 Permit:** The Permitting Authority gives notice of its intent to issue an air construction permit modification 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, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a final permit in accordance with the conditions of the 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.

**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

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Florida Power and Light Company  
Lauderdale Plant

Permit No. 0110037-006-AC  
PSD-145B  
Air Construction Permit Modification

## **WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT MODIFICATION**

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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 modification 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.

**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. 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. 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. 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.

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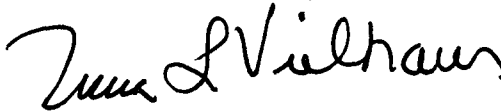
Florida Power and Light Company  
Lauderdale Plant

Permit No. 0110037-006-AC  
PSD-145B

Air Construction Permit Modification

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT MODIFICATION**

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that either this Written Notice of Intent to Issue Air Permit Modification (including the Public Notice, Draft Permit 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 3/2/09 to the persons listed below.

- Mr. Dwayne Harper, Florida Power and Light Company: [dwayne.harper@fpl.com](mailto:dwayne.harper@fpl.com)
- Ms. Sheila M. Wilkinson, Florida Power and Light Company: [sheila\\_wilkinson@fpl.com](mailto:sheila_wilkinson@fpl.com)
- Mr. Kennard Kosky, Golder Associates: [kkosky@golder.com](mailto:kkosky@golder.com)
- Ms. Katy Forney, U.S. EPA Region 4: [forney.kathleen@epamail.epa.gov](mailto:forney.kathleen@epamail.epa.gov)
- Ms. Ana Oquendo, US EPA Region 4: [oquendo.ana@epamail.epa.gov](mailto:oquendo.ana@epamail.epa.gov)
- Ms. Daniela Banu, Broward County: [dbanu@co.broward.fl.us](mailto:dbanu@co.broward.fl.us)
- Ms. Barbara Friday, DEP BAR: [barbara.friday@dep.state.fl.us](mailto:barbara.friday@dep.state.fl.us) (for posting with U.S. EPA, Region 4)
- Ms. Vickie Gibson, DEP BAR: [victoria.gibson@dep.state.fl.us](mailto:victoria.gibson@dep.state.fl.us) (read file copy)

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.

  
(Clerk)

3/2/09  
(Date)

# Memorandum

# Florida Department of Environmental Protection

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TO: Trina L. Vielhauer, Bureau of Air Regulation  
THROUGH: Jon Holtom, Title V Section *JH*  
FROM: Tom Cascio *Tom*  
DATE: February 24, 2009  
SUBJECT: Draft Permit No. 0110037-006-AC, PSD-FL-145B  
Florida Power and Light Company, Lauderdale Plant  
Air Construction Permit Modification

Attached for your review are the following items:

- Written Notice of Intent to Issue Air Permit Modification;
- Public Notice of Intent to Issue Air Permit Modification;
- Technical Evaluation and Preliminary Determination;
- Draft AC Permit Modification; and,
- P.E. Certification.

The draft permit package includes an air construction permit modification for the Lauderdale Plant, which is located in Broward County, Florida. The P.E. certification briefly summarizes the proposed project.

The application was received on December 11, 2008, and deemed complete. Day 90 is March 11, 2009.

I recommend your approval of the attached draft permit modification.

Attachments

## P.E. CERTIFICATION STATEMENT

### PERMITTEE

Florida Power and Light Company  
4300 SW 42<sup>nd</sup> Street  
Fort Lauderdale, Florida 33414


Air Construction Permit No. 0110037-006-AC,  
PSD-FL-145B  
Facility ID No. 0110037  
Lauderdale Plant  
SIC No. 4931  
PSD Permit Modification  
Broward County, Florida

### PROJECT DESCRIPTION

This permit modifies the language of Prevention of Significant Deterioration (PSD) air construction permit PSD-FL-145 dealing with volatile organic compound (VOC) testing, monitoring of steam injection rates, and defined capacity for full load testing for the combined cycle gas turbine systems located at the Lauderdale Plant (the facility). The facility is located in Broward County, 2 miles West of Ravenswood Road, in Fort Lauderdale, Florida.

*I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).*

This review was conducted by Tom Cascio under my responsible supervision.

  
Jonathan K. Holtom, P.E.      2/27/09  
Date  
Registration Number: 0052664

Florida Department of Environmental Protection  
Division of Air Resource Management • Bureau of Air Regulation • Title V Section  
2600 Blair Stone Road, MS #5505 • Tallahassee, Florida 32399-2400

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT MODIFICATION

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Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation  
Draft Permit Modification No. 0110037-006-AC, PSD-FL-145B  
Florida Power and Light Company, Lauderdale Plant  
Broward County, Florida

**Applicant:** The applicant for this project is Florida Power and Light Company (FPL). The applicant's responsible official and mailing address are: Mr. Dwayne Harper, Plant General Manager, Florida Power and Light Company, Lauderdale Plant, 4300 SW 42<sup>nd</sup> Street, Fort Lauderdale, Florida 33414.

**Facility Location:** The applicant operates the existing Lauderdale Plant, which is located in Broward County, 2 miles West of Ravenswood Road, in Fort Lauderdale, Florida.

**Project:** The applicant applied on December 11, 2008, to the Department for an air construction permit modification. This permit modifies the language of Prevention of Significant Deterioration (PSD) air construction permit PSD-FL-145 as follows. This permit modification removes the annual testing requirement for volatile organic compound (VOC) emissions because these emissions have been historically near or below the minimum detectable for Environmental Protection Agency (EPA) Method 25A (approximately 1 part per million (ppm)). This permit modification also removes the requirement for continuous monitoring of the steam injection rate by an installed, operated and maintained system. The recently issued Title V air operation permit, 0110037-005-AV, identifies the continuous emissions monitoring system (CEMS) as the compliance method for nitrogen oxides (NO<sub>x</sub>), therefore, the requirement to operate and maintain a continuous steam injection system is no longer necessary. Thus, this air construction permit modification requires that a NO<sub>x</sub> CEMS shall be used to demonstrate compliance with the NO<sub>x</sub> limits. The NO<sub>x</sub> CEMS are subject to the monitoring requirements of 40 Code of Federal Regulations (CFR) 60.13. Finally, defined capacity for full load testing for the combined cycle gas turbine systems is adjusted to correspond with Department rules.

This existing facility consists primarily of two combined-cycle generating units (Unit 4 and Unit 5), two banks of twelve simple-cycle gas turbine units, and eight fuel storage tanks. Each combined-cycle unit consists of two combustion turbines (CT) which each exhaust through a separate heat recovery steam generator (HRSG). Each HRSG converts the heat from the CT exhaust into steam. The steam produced from the two HRSG units drives one single-reheat turbine generator. Each combined-cycle unit has a net summer continuous capability of 430 megawatts (MW). Each bank of simple-cycle gas turbines has a net capability of 504 MW.

**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 Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. 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 telephone 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 the address indicated above for the Permitting Authority. The complete project file includes the draft permit, 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 permit by visiting the following website:

<http://www.dep.state.fl.us/air/eproducts/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 Air Permit:** The Permitting Authority gives notice of its intent to issue an air

(Public Notice to be Published in the Newspaper)

## **PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT MODIFICATION**

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construction permit modification 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 draft air construction permit modification 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.

**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 the 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 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 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.

**(Public Notice to be Published in the Newspaper)**



**TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION**

Florida Power and Light Company  
Lauderdale Plant  
PSD Permit Modification  
Broward County

DEP File No. 0110037-006-AC  
PSD-FL-145B



Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
Title V Section

February 27, 2009

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 1. GENERAL PROJECT INFORMATION

### Applicant Name and Address

Florida Power and Light Company (FPL)  
4300 SW 42<sup>nd</sup> Street  
Fort Lauderdale, Florida 33414

### Authorized Representative:

Mr. Dwayne Harper, Plant General Manager

### Processing Schedule

December 11, 2008: Air construction permit application received; application deemed complete.

### Facility Description and Location

This existing facility consists primarily of two combined-cycle generating units (Unit 4 and Unit 5), two banks of twelve simple-cycle gas turbine units, and eight fuel storage tanks. Each combined-cycle unit consists of two combustion turbines (CT) which each exhaust through a separate heat recovery steam generator (HRSG). Each HRSG converts the heat from the CT exhaust into steam. The steam produced from the two HRSG units drives one single-reheat turbine generator. Each combined-cycle unit has a net summer continuous capability of 430 megawatts (MW). Each bank of simple-cycle gas turbines has a net capability of 504 MW.

The existing Lauderdale Plant is located 2 miles West of Ravenswood Road, Fort Lauderdale, in Broward County. UTM coordinates are: Zone 17, 580.2 km East and 2883.3 km North. Latitude is: 26° 04' 05" North; and, Longitude is: 80° 11' 54" West.

### Major Regulatory Categories

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility operates units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

### Proposed Project

Air construction permit PSD-FL-145 requires annual testing for volatile organic compounds (VOC) emissions for the combustion turbines of the combined-cycle units. This permit modification removes the annual testing requirement for VOC emissions because these emissions have been historically near or below the minimum detectable for EPA Method 25A (approximately 1 ppm). (In an earlier permitting action, this annual testing requirement was removed from the facility's initial Title V air operation permit, 0110037-001-AV). This permit modification also removes the requirement for continuous monitoring of the steam injection rate by an installed, operated and maintained system. The recently issued Title V air operation permit, 0110037-005-AV, identifies the continuous emissions monitoring system (CEMS) as the compliance method for nitrogen oxides (NO<sub>x</sub>), therefore, the requirement to operate and maintain a continuous steam injection system is no longer necessary. Thus, this air construction permit modification requires that a NO<sub>x</sub> CEMS shall be used to demonstrate compliance with the NO<sub>x</sub> limits. The NO<sub>x</sub> CEMS

## **TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION**

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are subject to the monitoring requirements of 40 Code of Federal Regulations (CFR) 60.13. Finally, defined capacity for full load testing for the combined cycle gas turbine systems is adjusted to correspond with Department rules. These changes will not increase the potential to emit (PTE), or actual emissions of any pollutant.

Based on the foregoing analysis, the project constitutes a non-major modification with respect to the Department's rules and requires a construction permit.

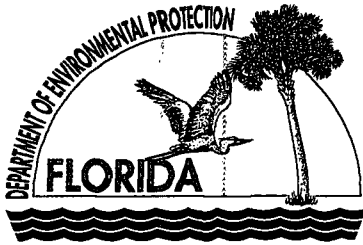
### **2. REGULATIONS THAT APPLY TO THE PROJECT**

#### **State Regulations**

This project is subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The Florida Statutes authorize the Department of Environmental Protection to establish rules and regulations regarding air quality as part of the Florida Administrative Code (F.A.C.). This project is subject to the applicable rules and regulations defined in the following Chapters of the Florida Administrative Code. These include: 62-4 (Permitting Requirements); 62-204 (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference); 62-210 (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms); 62-212 (Preconstruction Review, PSD Review and BACT); 62-213 (Title V Air Operation Permits for Major Sources of Air Pollution); 62-296 (Emission Limiting Standards); and 62-297 (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures).

### **3. OTHER APPLICABLE REGULATIONS**

The requirements already listed in the facility's existing Title V Air Operation Permit No. 0110037-005-AV are comprehensive and sufficient for the future operation of the facility. The main additional requirement is for an air construction permit pursuant to Rules 62-4, 62-210 and 62-212.300, F.A.C., to make the requested changes.



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## PERMITTEE

Florida Power and Light Company  
4300 SW 42<sup>nd</sup> Street  
Fort Lauderdale, Florida 33414

*Authorized Representative:*

Mr. Dwayne Harper, Plant General Manager

Air Permit No. 0110037-006-AC  
PSD-FL-145B  
Facility ID No. 0110037  
SIC No. 4931  
PSD Permit Modification

Permit Expires: December 31, 2009

## PROJECT AND LOCATION

This permit modifies the language of Prevention of Significant Deterioration (PSD) air construction permit PSD-FL-145 dealing with volatile organic compound (VOC) testing, monitoring of steam injection rates, and defined capacity for full load testing for the combined cycle gas turbine systems located at the Lauderdale Plant (the facility). The facility is located in Broward County, 2 miles West of Ravenswood Road, in Fort Lauderdale, Florida.

## STATEMENT OF BASIS

This air pollution construction permit modification is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.) and Title 40, Parts 60 and 63 of the Code of Federal Regulations (CFR). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

## CONTENTS

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Units Specific Conditions
- Section 4. Appendices

(Draft)

\_\_\_\_\_  
Joseph Kahn, Director  
Division of Air Resource Management

\_\_\_\_\_  
(Date)

## SECTION 1. GENERAL INFORMATION

### FACILITY AND PROJECT DESCRIPTION

#### Existing Facility

This existing facility consists primarily of two combined-cycle generating units (Unit 4 and Unit 5), two banks of twelve simple-cycle gas turbine units, and eight fuel storage tanks. Each combined-cycle unit consists of two combustion turbines (CT) which each exhaust through a separate heat recovery steam generator (HRSG). Each HRSG converts the heat from the CT exhaust into steam. The steam produced from the two HRSG units drives one single-reheat turbine generator. Each combined-cycle unit has a net summer continuous capability of 430 megawatts (MW). Each bank of simple-cycle gas turbines has a net capability of 504 MW.

ID	Emission Unit Description
035	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 4A)
036	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 4B)
037	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 5A)
038	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 5B)

#### Proposed Project

Air construction permit PSD-FL-145 requires annual testing for volatile organic compounds (VOC) emissions for the combustion turbines of the combined-cycle units (Units 035, 036, 037 and 038). This permit modification removes the annual testing requirement for VOC emissions because these emissions have been historically near or below the minimum detectable for EPA Method 25A (approximately 1 ppm). (In an earlier permitting action, this annual testing requirement was removed from the facility's initial Title V air operation permit, 0110037-001-AV). This permit modification also removes the requirement for continuous monitoring of the steam injection rate by an installed, operated and maintained system. The recently issued Title V air operation permit, 0110037-005-AV, identifies the continuous emissions monitoring system (CEMS) as the compliance method for nitrogen oxides (NO<sub>x</sub>), therefore, the requirement to operate and maintain a continuous steam injection system is no longer necessary. Thus, this air construction permit modification requires that a NO<sub>x</sub> CEMS shall be used to demonstrate compliance with the NO<sub>x</sub> limits. The NO<sub>x</sub> CEMS are subject to the monitoring requirements of 40 Code of Federal Regulations (CFR) 60.13. Finally, defined capacity for full load testing for the combined cycle gas turbine systems is adjusted to correspond with Department rules.

#### REGULATORY CLASSIFICATION

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility operates units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

Lauderdale Plant  
Units 035, 036, 037, 038 Combined-Cycle Combustion Turbines

Air Permit No. 0110037-006-AC  
PSD-FL-145B  
PSD Permit Modification

## SECTION 1. GENERAL INFORMATION

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### RELEVANT DOCUMENTS

The following relevant documents are not a part of this permit, but helped form the basis for this permitting action: the permit application and additional information received to make it complete, the draft air construction permit modification, and the Technical Evaluation and Preliminary Determination.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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1. Permitting Authority: The Permitting Authority for this project is the Bureau of Air Regulation in the Division of Air Resource Management of the Department. The mailing address for the Bureau of Air Regulation is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Broward County Environmental Protection Department. The mailing address and phone number of the Broward County Environmental Protection Department are: 115 S. Andrews Avenue, Room A-240, Fort Lauderdale, Florida 33301, Telephone: 954-519-1220, Fax: 954-519-1495.
3. Appendices: The following Appendices are attached as part of this permit: Appendix GC (General Conditions); and Appendix C (Common State Regulatory Requirements).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No emissions unit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

### SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
035	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 4A)
036	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 4B)
037	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 5A)
038	Combined-Cycle Combustion Turbine with Heat Recovery Steam Generator (CT 5B)

*{Permitting Note: The units remain subject to the applicable requirements of current Title V Air Operation Permit No. 0110037-005-AV.}*

1. **Other Permits.** Except as listed below, all other conditions of existing permits remain in effect and unchanged.

The following revised specific conditions replace the corresponding specific conditions in air construction permit PSD-FL-145.

Note: ~~Strikethrough~~ indicates deletions and double underline indicates additions.

2. Specific Condition 10.f. is changed as follows to allow Method 18 and to remove annual testing:

10.f. 25A or 18 for VOC (I, A and at permit renewal)

3. Specific Condition 12. is changed as follows to remove continuous steam injection monitoring and impose NO<sub>x</sub> CEMS as the continuous compliance determination method:

12. ~~Continuous monitoring of the steam injection rates shall be installed, operated and maintained in accordance with 40 CFR 60, Subpart GG, for each combined cycle unit. A~~ nitrogen oxides (NO<sub>x</sub>) continuous emissions monitor system (CEMS) shall be used to demonstrate compliance with the NO<sub>x</sub> limits. The NO<sub>x</sub> CEMS are subject to the monitoring requirements of 40 Code of Federal Regulations (CFR) 60.13.

4. Specific Condition 23. as changed as follows to adjust the testing capacity to correspond to Department Rules:

23. Testing of emissions shall be conducted with each emissions unit operating at capacity. Capacity is defined as ~~95~~ 90-100 percent of the manufacturer's rated heat input achievable for the average ambient (or conditioned) air temperature during the test. If it is impracticable to test at capacity, then an emissions unit may be tested at less than capacity. In such cases, the entire heat input vs. inlet temperature curve will be adjusted by the increment equal to the difference between the design heat input value and ~~105~~ 110 percent of the value reached during the test. Data, curves, and calculations necessary to demonstrate the heat input rate correction at both design and test conditions shall be submitted to the Department with the compliance test report.



**SECTION 4. APPENDIX C**  
**COMMON STATE REGULATORY REQUIREMENTS**

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*{Permitting Note: Unless otherwise specified by permit, the following conditions apply to all emissions units and activities at the facility.}*

**EMISSIONS AND CONTROLS**

1. **Plant Operation - Problems:** If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. **Circumvention:** The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. **Excess Emissions Allowed:** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]
4. **Excess Emissions Prohibited:** Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. **Excess Emissions - Notification:** In case of excess emissions resulting from malfunctions, the permittee shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. **VOC or OS Emissions:** No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]
7. **Objectionable Odor Prohibited:** No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(217), F.A.C.]
8. **General Visible Emissions:** No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20 percent opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. **Unconfined Particulate Emissions:** During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

**TESTING REQUIREMENTS**

10. **Required Number of Test Runs:** For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard.

**SECTION 4. APPENDIX C**  
**COMMON STATE REGULATORY REQUIREMENTS**

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[Rule 62-297.310(1), F.A.C.]

11. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]
12. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
13. Test Procedures: Tests shall be conducted in accordance with all applicable requirements of Chapter 62-297, F.A.C.
  - a. *Required Sampling Time*. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes. The minimum observation period for a visible emissions compliance test shall be thirty (30) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur.
  - b. *Minimum Sample Volume*. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet.
  - c. *Calibration of Sampling Equipment*. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C.

[Rule 62-297.310(4), F.A.C.]

14. Determination of Process Variables:
  - a. *Required Equipment*. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
  - b. *Accuracy of Equipment*. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

15. Sampling Facilities: The permittee shall install permanent stack sampling ports and provide sampling facilities that meet the requirements of Rule 62-297.310(6), F.A.C.
16. Test Notification: The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7)(a)9, F.A.C.]
17. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]
18. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as

**SECTION 4. APPENDIX C**  
**COMMON STATE REGULATORY REQUIREMENTS**

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soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rule 62-297.310(8), F.A.C.]

**RECORDS AND REPORTS**

19. **Records Retention:** All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2, F.A.C.]
20. **Annual Operating Report:** The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by

**SECTION 4. APPENDIX C**  
**COMMON STATE REGULATORY REQUIREMENTS**

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~~March 1st of each year~~ May 1<sup>st</sup> for 2009 and April 1<sup>st</sup> of each year thereafter. [Rule 62-210.370(2 3), F.A.C.]

**SECTION 4. APPENDIX GC**  
**GENERAL PERMIT CONDITIONS**

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The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
  - a. Have access to and copy and records that must be kept under the conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source

**SECTION 4. APPENDIX GC**  
**GENERAL PERMIT CONDITIONS**

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arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - a. Determination of Best Available Control Technology (not applicable to project);
  - b. Determination of Prevention of Significant Deterioration (not applicable to project); and
  - c. Compliance with New Source Performance Standards (not applicable to project).
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    - 1) The date, exact place, and time of sampling or measurements;
    - 2) The person responsible for performing the sampling or measurements;
    - 3) The dates analyses were performed;
    - 4) The person responsible for performing the analyses;
    - 5) The analytical techniques or methods used; and
    - 6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## Livingston, Sylvia

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**From:** Livingston, Sylvia  
**Sent:** Monday, March 02, 2009 1:33 PM  
**To:** 'dwayne.harper@fpl.com'  
**Cc:** 'sheila\_wilkinson@fpl.com'; 'kkosky@golder.com'; 'forney.kathleen@epamail.epa.gov'; 'oquendo.ana@epamail.epa.gov'; 'dbanu@co.broward.fl.us'; Friday, Barbara; Gibson, Victoria; Cascio, Tom; Walker, Elizabeth (AIR); 'abrams.heather@epamail.epa.gov'  
**Subject:** FPL - FT. LAUDERDALE POWER PLANT; 0110037-006-AC/ PSD-FL-145B  
**Attachments:** 0110037-006-AC\_Intent.pdf

Dear Sir/ Madam:

Attached is the official **Notice of Intent to Issue** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

*Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).*

**Click on the following link to access the permit project documents:**

[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/0110037.006.AC.D\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0110037.006.AC.D_pdf.zip)

Owner/Company Name: FLORIDA POWER and LIGHT (FPL)  
Facility Name: FT. LAUDERDALE POWER PLANT  
Project Number: 0110037-006-AC/ PSD-FL-145B  
Permit Status: DRAFT  
Permit Activity: CONSTRUCTION/ Modification  
Facility County: BROWARD  
Processor: Tom Cascio

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Access these documents by clicking on the link provided above, or search for other project documents using the "Air Permit Documents Search" website at <http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation

Sylvia Livingston  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
850/921-9506  
[sylvia.livingston@dep.state.fl.us](mailto:sylvia.livingston@dep.state.fl.us)

## Livingston, Sylvia

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**From:** Harper, Dwayne [Dwayne.Harper@fpl.com]  
**Sent:** Wednesday, March 04, 2009 10:09 PM  
**To:** Livingston, Sylvia  
**Cc:** sheila\_wilkinson@fpl.com; kkosky@golder.com; forney.kathleen@epamail.epa.gov; oquendo.ana@epamail.epa.gov; dbanu@co.broward.fl.us; Friday, Barbara; Gibson, Victoria; Cascio, Tom; Walker, Elizabeth (AIR); abrams.heather@epamail.epa.gov; Stokes, Idayna; Wilkinson, Sheila M  
**Subject:** RE: FPL - FT. LAUDERDALE POWER PLANT; 0110037-006-AC/ PSD-FL-145B

Sylvia,

I have received the documents. Thank you.

Dwayne Harper  
Plant General Manager  
Lauderdale Plant  
Office 954-797-1582  
Cell 407-402-1126

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**From:** Livingston, Sylvia [mailto:Sylvia.Livingston@dep.state.fl.us]  
**Sent:** Monday, March 02, 2009 1:33 PM  
**To:** Harper, Dwayne  
**Cc:** sheila\_wilkinson@fpl.com; kkosky@golder.com; forney.kathleen@epamail.epa.gov; oquendo.ana@epamail.epa.gov; dbanu@co.broward.fl.us; Friday, Barbara; Gibson, Victoria; Cascio, Tom; Walker, Elizabeth (AIR); abrams.heather@epamail.epa.gov  
**Subject:** FPL - FT. LAUDERDALE POWER PLANT; 0110037-006-AC/ PSD-FL-145B

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*Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).*

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Owner/Company Name: FLORIDA POWER and LIGHT (FPL)  
Facility Name: FT. LAUDERDALE POWER PLANT  
Project Number: 0110037-006-AC/ PSD-FL-145B  
Permit Status: DRAFT  
Permit Activity: CONSTRUCTION/ Modification  
Facility County: BROWARD  
Processor: Tom Cascio