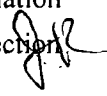


Florida Department of  
Environmental Protection

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Memorandum

To: Trina Vielhauer, Bureau of Air Regulation  
Through: Jeff Koerner, New Source Review Section   
Date: September 8, 2009  
Subject: Project No. 0990646-003-AC  
FPL West County Energy Center  
Increased Hours for Auxiliary Boiler  
Permit Modification

Attached for your review is a draft air construction permit package for the FPL West County Energy Center, which is located in Palm Beach County, Florida. Briefly, the draft permit modification changes the original permit to identify a single auxiliary boiler authorized for 1500 hours of operation per year instead of two auxiliary boilers limited to 500 hours of operation per year. The attached Technical Evaluation and Preliminary Determination provides a detailed description of the project and the rationale for permit issuance. I recommend your approval of the attached draft permit package.

Attachments

TLV/jfk

**P.E. CERTIFICATION STATEMENT**

**PERMITTEE**

Florida Power and Light (FPL) Company  
700 Universe Boulevard  
Juno Beach, Florida 33408

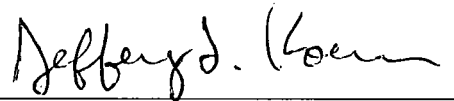
Air Permit No. 0990646-003-AC  
FPL West County Energy Center  
Increased Hours for Auxiliary Boiler  
Air Permit Modification  
Palm Beach County, Florida

**PROJECT DESCRIPTION**

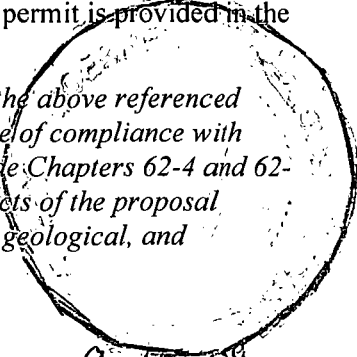
Permit No. 0990646-001-AC (PSD-FL-354) authorized construction of two nominal 1250 megawatt combined cycle units and other associated support equipment at the proposed new FPL West County Energy Center. Permit No. 0990646-002-AC authorized the construction of a third nominal 1250 megawatt combined cycle unit. The applicant requests a modification of Permit No. 0990646-001-AC to increase in the hours of operation of the auxiliary boiler (EU-009) to 1500 hours per year. The original air construction permit authorized the construction of two auxiliary boilers, each rated at a maximum heat input rate of 99.8 million British thermal units (MMBtu) per hour and limited to 500 hours per year of operation. The purpose of the small gas-fired boilers is to provide steam for blade cooling for combustion turbine startups. During construction, the applicant determined that only one auxiliary boiler at 1000 hours per year would be necessary. However, the applicant now believes that an additional 500 hours of operation will be necessary to accommodate combined cycle Unit 3. The applicant requests a revision of the original permit to identify the single auxiliary boiler authorized for 1500 hours of operation per year.

This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (F.A.C.). Based on the air permit application, the project will result in potential emissions increases of: 2.00 tons per year of carbon monoxide (CO); 1.25 tons per year of nitrogen oxides (NO<sub>x</sub>); 0.13 tons per year of particulate matter (PM); 0.13 tons per year of particulate matter with a mean diameter of 10 microns or less (PM<sub>10</sub>); 0.13 tons per year of particulate matter with a mean diameter of 2.5 microns or less (PM<sub>2.5</sub>); 0.14 tons per year of sulfur dioxide (SO<sub>2</sub>); and 0.13 tons per year of volatile organic compounds (VOC). Pursuant to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality, the original permit made Best Available Technology (BACT) determinations for the auxiliary boiler for CO, NO<sub>x</sub>, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and VOC. Therefore, the request to increase the hours of operation requires a reexamination of the original BACT determinations. After review, the Department reaffirms the original BACT determinations for the auxiliary boiler, which are based on the low-NO<sub>x</sub> burner design and the natural gas fuel specification. Since only one boiler was installed, the maximum hourly emissions rates will decrease resulting in lower short-term ambient impacts. Based on the very low annual emissions increases, the project will have negligible ambient annual impacts. The Department's full review of the project and rationale for issuing the draft permit is provided in the Technical Evaluation and Preliminary Determination.

*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 any other aspects of the proposal (including, but not limited to, the electrical, civil, mechanical, structural, hydrological, geological, and meteorological features).*



Jeffery F. Koerner, P.E.  
Registration Number 49441



9-10-09

(Date)



# 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

September 10, 2009

Mr. Randall R. LaBauve, Vice President  
Florida Power and Light (FPL) Company  
700 Universe Boulevard  
Juno Beach, Florida 33408

Re: Draft Air Permit No. 0990646-003-AC  
PSD-FL-354A  
FPL West County Energy Center  
Increased Hours for Auxiliary Boiler

Dear Mr. LaBauve:

On September 3, 2009, you submitted the sufficient fee and application for an air construction permit to modify Permit No. 0990646-001-AC to increase the hours of operation of the auxiliary boiler. The boiler is installed at the West County Energy Center, which is located in Palm Beach County at 20505 State Road 80 in Loxahatchee, Florida. Enclosed are the following documents: Written Notice of Intent to Issue Air Permit; Public Notice of Intent to Issue Air Permit; Technical Evaluation and Preliminary Determination; and Draft Permit.

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. If you have any questions, please contact the Project Engineer, Jeff Koerner, at 850/921-9536.

Sincerely,

A handwritten signature in cursive script that reads "Trina Vielhauer".

Trina Vielhauer, Chief  
Bureau of Air Regulation

Enclosures

TLV/jfk

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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

Florida Power and Light (FPL) Company  
700 Universe Boulevard  
Juno Beach, Florida 33408

Authorized Representative:  
Mr. Randall R. LaBauve, Vice President

Air Permit No. 0990646-003-AC  
PSD-FL-354A  
FPL West County Energy Center  
Facility ID No. 0990646  
Increased Hours for Auxiliary Boiler  
Air Permit Modification  
Palm Beach County, Florida

**Facility Location:** The Florida Power and Light Company is constructing the new West County Energy Center, which is located in Palm Beach County at 20505 State Road 80 in Loxahatchee, Florida.

**Project:** The Florida Power and Light Company requests a modification of the original permit to identify the single auxiliary boiler authorized for 1500 hours of operation per year. The project is subject to the preconstruction review requirements of Rule 62-212.400, Florida Administrative Code (F.A.C) for the Prevention of Significant Deterioration (PSD) of Air Quality. Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212, F.A.C. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**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 address or phone number listed above. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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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 proposed Draft Permit and requests for a public meeting for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 30-day period. In addition, if a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received comments result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by 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 fourteen 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; (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

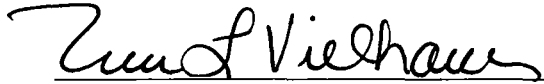
**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT**

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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.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief  
Bureau of Air Regulation

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

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**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the Draft Permit) was sent by electronic mail or a link to these documents made available electronically on a publicly accessible server with received receipt requested, or by certified mail\* with return receipt requested, before the close of business on 9/10/09 to the persons listed below.

Randall R. LaBauve, FPL (randall\_labauve@fpl.com)  
Edward Preast, FPL (ed.preast@fpl.com)  
John Hampp, FPL (john.hampp@fpl.com)  
Ken Kosky, P.E., Golder (ken\_kosky@golder.com)  
Kathleen Forney, EPA Region 4 (forney.kathleen@epa.gov)  
Ms. Heather Abrams, EPA Region 4 (abrams.heather@epa.gov)  
Ms. Ana M. Oquendo, EPA Region 4 (oquendo.ana@epa.gov)  
Dee Morse, National Park Service (dee\_morse@nps.gov)  
Jim Stormer, Palm Beach Health Department (james\_stormer@doh.state.fl.us)  
Lenon Anderson, DEP Southeast District Office (lennon.anderson@dep.state.fl.us)  
Mike Halpin, DEP Siting Office (mike.halpin@dep.state.fl.us)  
Chair, Palm Beach County Board of County Commissioners (Agreene@co.palm-beach.fl.us)  
Mayor, Village of Royal Palm Beach (dlodwick@royalpalm.com)  
Mayor, Village of Wellington (twenham@ci.wellington.fl.us)  
John Benjamin, Everglades National Park (ever\_superintendent@nps.gov)  
Paul Darst, Department of Community Affairs (paul.darst@dca.fl.us)  
Michael K. Christensen (atreyu@direcway.com)  
Nancy J. Gribble (NanJ58@aol.com)  
Alexandria Larson (daniellarson@earthlink.net)  
Patricia D. Curry (GremlinLtd@aol.com)  
Sharon Waite\*  
Vickie Gibson, DEP BAR Reading File (victoria.gibson@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.

  
\_\_\_\_\_  
(Clerk)

9/10/09  
\_\_\_\_\_  
(Date)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation  
Draft Air Construction Permit  
Project No. 0990646-003-AC (PSD-FL-354A)  
Florida Power and Light Company, West County Energy Center  
Palm Beach County, Florida

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

**Facility Location:** The Florida Power and Light Company is constructing the new West County Energy Center, which is located in Palm Beach County at 20505 State Road 80 in Loxahatchee, Florida.

**Project:** Permit No. 0990646-001-AC (PSD-FL-354) authorized construction of two nominal 1250 megawatt combined cycle units and other associated support equipment at the proposed new FPL West County Energy Center. The original permit authorized the construction of two auxiliary boilers, each rated at a maximum heat input rate of 99.8 million British thermal units (MMBtu) per hour and limited to 500 hours per year of operation. The purpose of the small gas-fired auxiliary boiler is to provide steam for blade cooling for combustion turbine startups. During construction, the applicant determined that only one auxiliary boiler at 1000 hours per year would be necessary. However, the applicant now requests an additional 500 hours of operation will be necessary to accommodate the proposed new combined cycle Unit 3. Therefore, the applicant requests a modification of the original permit to identify the single auxiliary boiler authorized for 1500 hours of operation per year.

This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (F.A.C.). Based on the air permit application, the project will result in potential emissions increases of: 2.00 tons per year of carbon monoxide (CO); 1.25 tons per year of nitrogen oxides (NO<sub>x</sub>); 0.13 tons per year of particulate matter (PM); 0.13 tons per year of particulate matter with a mean diameter of 10 microns or less (PM<sub>10</sub>); 0.13 tons per year of particulate matter with a mean diameter of 2.5 microns or less (PM<sub>2.5</sub>); 0.14 tons per year of sulfur dioxide (SO<sub>2</sub>); and 0.13 tons per year of volatile organic compounds (VOC). Pursuant to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality, the original permit made Best Available Technology (BACT) determinations for the auxiliary boiler for CO, NO<sub>x</sub>, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and VOC. Therefore, the request to increase the hours of operation requires a reexamination of the BACT determinations. After review, the Department reaffirms the original BACT determinations for the auxiliary boiler, which are based on the low-NO<sub>x</sub> burner design and the natural gas fuel specification. Since only one boiler was installed, the maximum hourly emissions rates will decrease resulting in lower short-term ambient impacts. Based on the very low annual emissions increases, the project will have negligible ambient annual impacts.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212, F.A.C. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these

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



## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

documents are available on the following web site by entering draft permit number:  
<http://www.dep.state.fl.us/air/emission/apds/default.asp>.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit and requests for a public meeting for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 30-day period. In addition, if a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received comments result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public

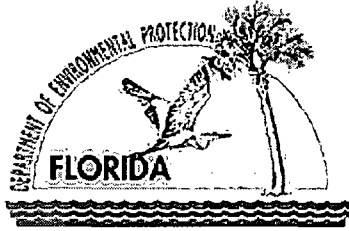
**(Public Notice to be Published in the Newspaper)**

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

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.

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



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, Florida 33408

West County Energy Center  
Facility ID No. 0990646

**PROJECT**

Project No. 0990646-003-AC (PSD-FL-354A)  
Air Construction Permit Modification  
Increase Hours of Operation for Auxiliary Boiler

**COUNTY**

Palm Beach County, Florida

**PERMITTING AUTHORITY**

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

September 10, 2009

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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## 1. GENERAL PROJECT INFORMATION

### Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

### Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

### Facility Description and Location

The Florida Power & Light (FPL) Company is constructing the new West County Energy Center, which is a power plant categorized under Standard Industrial Classification Code No. 4911. The new plant is located in Palm Beach County at 20505 State Road 80 in Loxahatchee, Florida. The UTM coordinates are Zone 17; 562.19 km East; 2953.04 km North. This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to state and federal Ambient Air Quality Standards (AAQS).

### Facility Regulatory Categories

- The facility will be a major source of hazardous air pollutants (HAP).
- The facility will operate units subject to the acid rain provisions of the Clean Air Act.
- The facility will be a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

### Project Description

On September 3, 2009, the Department received sufficient fee and an application requesting an increase in the hours of operation of the auxiliary boiler (EU-009) to 1500 hours per year. The original air construction permit (PSD-FL-354) authorized the construction of two auxiliary boilers, each rated at a maximum heat input rate of 99.8 million British thermal units (MMBtu) per hour and limited to 500 hours per year of operation. The purpose of the small gas-fired boilers is to provide steam for blade cooling for combustion turbine startups. During construction, the applicant determined that only one auxiliary boiler at 1000 hours per year would be necessary. However, the applicant now believes that an additional 500 hours of operation will be necessary to accommodate combined cycle Unit 3. The applicant requests a revision of the original permit to identify the single auxiliary boiler authorized for 1500 hours of operation per year.

## 2. PSD APPLICABILITY

### General PSD Applicability

For areas currently in attainment with the state and federal AAQS or areas otherwise designated as unclassifiable, the Department regulates major stationary sources of air pollution in accordance with Florida's PSD preconstruction review program as defined in Rule 62-212.400, F.A.C. Under preconstruction review, the Department first must determine if a project is subject to the PSD requirements ("PSD applicability review") and, if so, must conduct a PSD preconstruction review. A PSD applicability review is required for projects at new and existing major stationary sources. In addition, proposed projects at existing minor sources are subject to a PSD applicability review to determine whether potential emissions *from the proposed project itself* will exceed the PSD major stationary source thresholds. A facility is considered a major stationary source with respect to PSD if it emits or has the potential to emit:

- 5 tons per year or more of lead;
- 250 tons per year or more of any regulated air pollutant; or
- 100 tons per year or more of any regulated air pollutant and the facility belongs to one of the following 28 PSD-major facility categories: fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input, coal cleaning plants (with thermal dryers), Kraft pulp mills, portland cement plants, primary zinc smelters, iron and steel mill plants, primary aluminum ore reduction plants, primary copper smelters, municipal incinerators capable of charging more than 250 tons of refuse per day, hydrofluoric, sulfuric, and nitric acid plants, petroleum refineries, lime plants, phosphate rock processing plants, coke oven batteries, sulfur recovery plants, carbon black plants (furnace process), primary lead smelters, fuel conversion plants, sintering plants, secondary metal production plants, chemical process plants, fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input, petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels, taconite ore processing plants, glass fiber processing plants and charcoal production plants.

Once it is determined that a project is subject to PSD preconstruction review, the project emissions are compared to the "significant emission rates" defined in Rule 62-210.200, F.A.C. for the following pollutants: carbon monoxide (CO); nitrogen oxides (NO<sub>x</sub>); sulfur dioxide (SO<sub>2</sub>); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM<sub>10</sub>); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM<sub>2.5</sub>); volatile organic compounds (VOC); lead (Pb); fluorides (F); sulfuric acid mist (SAM); hydrogen sulfide (H<sub>2</sub>S); total reduced sulfur (TRS), including H<sub>2</sub>S; reduced sulfur compounds, including H<sub>2</sub>S; municipal waste combustor organics measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans; municipal waste combustor metals measured as particulate matter; municipal waste combustor acid gases measured as SO<sub>2</sub> and hydrogen chloride (HCl); municipal solid waste landfills emissions measured as non-methane organic compounds (NMOC); and mercury (Hg). In addition, significant emissions rate also means any emissions rate or any net emissions increase associated with a major stationary source or major modification which would construct within 10 kilometers of a Class I area and have an impact on such area equal to or greater than 1 µg/m<sup>3</sup>, 24-hour average.

If the potential emission exceeds the defined significant emissions rate of a PSD pollutant, the project is considered "significant" for the pollutant and the applicant must employ the Best Available Control Technology (BACT) to minimize the emissions and evaluate the air quality impacts. Although a facility or project may be *major* with respect to PSD for only one regulated pollutant, it may be required to install BACT controls for several "significant" regulated pollutants.

### PSD Applicability for Project

The auxiliary boiler fires only natural gas. As provided in the application, the following table summarizes potential emissions and PSD applicability for the project.

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Table A. Summary of the Applicant's PSD Applicability Analysis

Pollutant	Annual Emissions, Tons/Year		
	2 Boilers 500 hours/year	1 Boiler 1500 hours/year	Potential Increase
CO	4.00	6.00	2.00
NO <sub>x</sub>	2.50	3.75	1.25
PM	0.26	0.39	0.13
PM <sub>10</sub>	0.26	0.39	0.13
PM <sub>2.5</sub>	0.26	0.39	0.13
SO <sub>2</sub>	0.28	0.42	0.14
VOC	0.26	0.39	0.13

As shown in the above table, total project emissions are very low. As mentioned by the applicant, total project emissions are well below the PSD significant emissions rates. Pursuant to PSD preconstruction review, the original permit made BACT determinations for the auxiliary boiler for CO, NO<sub>x</sub>, PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and VOC. Therefore, increasing the hours of operation to 1500 hours per year requires a reexamination of the original BACT determinations.

### 3. DEPARTMENT REVIEW

#### Original BACT Determinations (Permit No. PSD-FL-354)

The increase in hours of operation requires a new BACT determination; however, it does not change the applicability of any other state or federal regulations. The original BACT determinations were:

- CO ≤ 0.08 lb/MMBtu based on the low-NO<sub>x</sub> burner design;
- NO<sub>x</sub> ≤ 0.05 lb/MMBtu based on the low-NO<sub>x</sub> burner design;
- For PM/PM<sub>10</sub>, SO<sub>2</sub> and VOC, meet a fuel specification of 2 grains per 100 standard cubic feet (scf) of natural gas; and
- For PM/PM<sub>10</sub>, opacity ≤ 10%.

#### CO and VOC BACT Determinations

Catalytic oxidation is a feasible control technology for reducing both CO and VOC emissions; however, this control option will not be cost effective given the small boiler size and low emissions. The efficient combustion of natural gas will result in low CO and VOC emissions. Therefore, the CO BACT determination will remain as 0.08 lb/MMBtu based on the low-NO<sub>x</sub> burner design. The VOC BACT determination will remain as the fuel specification of firing natural gas with a maximum sulfur content of 2 grains per 100 scf.

#### NO<sub>x</sub> BACT Determination

Selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR) are both feasible control technologies for reducing NO<sub>x</sub> emissions; however, neither of these control options will be cost effective given the small boiler size and low emissions. Therefore, the NO<sub>x</sub> BACT determination will remain as 0.05 lb/MMBtu based on the low-NO<sub>x</sub> burner design.

#### PM<sub>2.5</sub>/PM<sub>10</sub>/PM and SO<sub>2</sub> BACT Determination

Since the auxiliary boiler fires only natural gas, it is estimated that all particulate matter will be emitted as PM<sub>2.5</sub>. There are many feasible control options for reducing both particulate and SO<sub>2</sub> emissions; however, natural gas contains no ash and negligible amounts of sulfur. None of the control options will be cost effective given the

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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small boiler size and low emissions. Therefore, the PM<sub>2.5</sub>/PM<sub>10</sub>/PM and SO<sub>2</sub> BACT determinations will remain as the fuel specification of firing natural gas with a maximum sulfur content of 2 grains per 100 scf.

### Air Quality Analysis

Since only one boiler was installed, the maximum hourly emissions rates will decrease resulting in lower short-term ambient impacts. This should offset any potential ambient annual impact from this unit based on the increased annual hours of operation. Based on the very low annual emissions increases, the project will have negligible ambient annual impacts. No additional air quality modeling was required.

### Conclusion

The draft permit will make the following changes:

- Increase hours of operation for the auxiliary boiler from 1000 to 1500 hours per year; and
- Authorize only one auxiliary boiler.

### 4. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. No air quality modeling analysis is required because the project does not result in a significant increase in emissions. Jeff Koerner is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

# **DRAFT PERMIT**

## **PERMITTEE**

Florida Power and Light (FPL) Company  
700 Universe Boulevard  
Juno Beach, Florida 33408

Authorized Representative:  
Mr. Randall R. LaBauve, Vice President

Air Permit No. 0990646-003-AC  
PSD-FL-354A  
FPL West County Energy Center  
Facility ID No. 0990646  
Increased Hours for Auxiliary Boiler  
Air Permit Modification  
Palm Beach County, Florida

## **PROJECT**

This is the final permit to modify Permit No. 0990646-001-AC (PSD-FL-354) for an increase in the hours of operation of the auxiliary boiler to 1500 hours per year. The auxiliary boiler is located at the existing FPL West County Energy Center, which is a power plant categorized under Standard Industrial Classification No. 4911. The existing facility is located in Palm Beach County at 20505 State Road 80 in Loxahatchee, Florida. The UTM coordinates are Zone 17, 562.19 km East and 2953.04 km North.

This final permit modification is organized into the following sections: Section 1 (General Information) and Section 2 (Air Permit Modification). As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

## **STATEMENT OF BASIS**

This air pollution construction permit 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.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. as well as those for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida

**(DRAFT)**

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

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



**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail or a link to these documents made available electronically on a publicly accessible server with received receipt requested, or by certified mail\* with return receipt requested, before the close of business on                     (DRAFT)                     to the persons listed below.

- Randall R. LaBauve, FPL (randall\_labauve@fpl.com)
- Edward Preast, FPL (ed.preast@fpl.com)
- John Hampp, FPL (john.hampp@fpl.com)
- Ken Kosky, P.E., Golder (ken\_kosky@golder.com)
- Kathleen Forney, EPA Region 4 (forney.kathleen@epa.gov)
- Ms. Heather Abrams, EPA Region 4 (abrams.heather@epa.gov)
- Ms. Ana M. Oquendo, EPA Region 4 (oquendo.ana@epa.gov)
- Dee Morse, National Park Service (dee\_morse@nps.gov)
- Jim Stormer, Palm Beach Health Department (james\_stormer@doh.state.fl.us)
- Lenon Anderson, DEP Southeast District Office (lennon.anderson@dep.state.fl.us)
- Mike Halpin, DEP Siting Office (mike.halpin@dep.state.fl.us)
- Chair, Palm Beach County Board of County Commissioners (Agreene@co.palm-beach.fl.us)
- Mayor, Village of Royal Palm Beach (dlodwick@royalpalm.com)
- Mayor, Village of Wellington (twenham@ci.wellington.fl.us)
- John Benjamin, Everglades National Park (ever\_superintendent@nps.gov)
- Paul Darst, Department of Community Affairs (paul.darst@dca.fl.us)
- Michael K. Christensen (atreyu@direcway.com)
- Nancy J. Gribble (NanJ58@aol.com)
- Alexandria Larson (daniellarson@earthlink.net)
- Patricia D. Curry (GremlinLtd@aol.com)
- Sharon Waite\*
- Vickie Gibson, DEP BAR Reading File (victoria.gibson@dep.state.fl.us)

Clerk Stamp

**FILED 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.

**(DRAFT)**

\_\_\_\_\_  
(Clerk)

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

**SECTION 1. GENERAL INFORMATION (DRAFT)**

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**FACILITY DESCRIPTION**

Permit No. 0990646-001-AC authorized construction of two nominal 1250 megawatt combined cycle units and other associated support equipment. Permit No. 0990646-002-AC authorized the construction of a third nominal 1250 megawatt combined cycle unit.

**PROPOSED PROJECT**

Permit No. 0990646-001-AC (PSD-FL-354) also authorized the construction of two auxiliary boilers, each rated at a maximum heat input rate of 99.8 million British thermal units (MMBtu) per hour and limited to 500 hours per year of operation. The purpose of the small gas-fired auxiliary boiler is to provide steam for blade cooling for combustion turbine startups. During construction, the applicant determined that only one auxiliary boiler at 1000 hours per year would be necessary. However, it was later determined that an additional 500 hours of operation will be necessary to accommodate the proposed new combined cycle Unit 3. This permitting action modifies the original permit to identify the single auxiliary boiler authorized for 1500 hours of operation per year.

This project will modify the following emissions unit.

<b>Facility ID No. 0990646</b>	
<b>ID No.</b>	<b>Emission Unit Description</b>
009	Auxiliary Boiler

**FACILITY REGULATORY CLASSIFICATION**

- The facility will be a major source of hazardous air pollutants (HAP).
- The facility will operate units subject to the acid rain provisions of the Clean Air Act.
- The facility will be a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

**SECTION 2. AIR PERMIT MODIFICATIONS (DRAFT)**

**Auxiliary Boiler**

**Permit Modified: 0990646-001-AC (PSD-FL-354)**

**Subsection III.D. Auxiliary Boiler and Process Heaters (EU-009 and EU-010)**

As shown below, this permitting action modifies Subsection III.D of Permit No. 0990646-001-AC. Additions are denoted with double-underline and deletions are denoted with ~~strikethrough~~.

This section of the permit addresses the following emissions units.

ID	Emission Unit Description
014	<u>Two</u> <del>One</del> limited use gas-fueled auxiliary boilers (99.8 MMBTU/hr and 85,000 lb/hr)
015	Two gas-fueled 10 MMBtu/hr process heaters

**NESHAP APPLICABILITY**

1. NESHAP Subpart DDDDD Applicability: These emissions units are subject to Subpart DDDDD, which applies to an industrial, commercial, or institutional boiler or process heater as defined in Sec. 63.7575 that is located at, or is part of, a major source of HAP as defined in Sec. 40 CFR 63.2.

The listed emission units shall comply with 40 CFR 63, NESHAP Subpart DDDDD only to the extent that the regulations apply to the emission unit and its operations (e.g. limited use gas-fueled or small gas-fueled categories).

[40 CFR 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, or Institutional Boiler or Process Heater]

**NSPS APPLICABILITY**

2. NSPS Subpart Dc Applicability: ~~Each~~ The 99.8 MMBTU/hr (85,000 lb/hr) auxiliary boiler is subject to all applicable requirements of 40 CFR 60, Subpart Dc which applies to Small Industrial, Commercial, or Institutional Boilers. Specifically, ~~each~~ the emission unit shall comply with 40 CFR 60.48c Reporting and Recordkeeping Requirements.

[Rule 62-204.800(7)(b) and 40 CFR 60, NSPS-Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, attached as Appendix Dc].

**EMISSIONS AND TESTING REQUIREMENTS**

3. Auxiliary Boiler BACT Emissions Limits:

NO <sub>x</sub>	CO	VOC, SO <sub>2</sub> , PM/PM <sub>10</sub>
0.05 lb/MMBtu	0.08 lb/MMBtu	2 gr S/100SCF natural gas spec and 10% Opacity

4. Auxiliary Boilers Testing Requirements: ~~Each~~ The unit shall be stack tested to demonstrate initial compliance with the emission standards for CO, NO<sub>x</sub> and visible emissions. The tests shall be conducted within 60 days after achieving the maximum production rate at which the unit will be operated, but not later than 180 days after the initial startup of each combined cycle unit.

[Rule 62-297.310(7)(a)1, F.A.C. and 40 CFR 63.7]

Test Methods: Any required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

**SECTION 2. AIR PERMIT MODIFICATIONS (DRAFT)**

**Auxiliary Boiler**

Method	Description of Method and Comments
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Notes: The method shall be based on a continuous sampling train.}

5. Annual CO Performance Test for Auxiliary Boilers: Pursuant to 40 CFR 63.7515(e) permittee shall conduct an annual CO test according to Sec. 63.7520. Each annual performance test must be conducted between 10 and 12 months after the previous performance test.

[40 CFR 63.7515 and Rule 62-204.800(11)(b)84. F.A.C.]

6. Natural Gas Fired Process Heaters BACT Emissions Limits:

NO <sub>x</sub>	CO	VOC, SO <sub>2</sub> and PM/PM <sub>10</sub>
0.095 lb/MMBtu	0.08 lb/MMBtu	2 gr S/100 SCF natural gas spec and 10% Opacity

7. Natural Gas Fired Process Heaters Testing Requirements: Each unit shall be stack tested to demonstrate initial compliance with the emission standards for CO, NO<sub>x</sub> and visible emissions. The tests shall be conducted within 60 days after achieving the maximum production rate at which the unit will be operated, but not later than 180 days after the initial startup of each combined cycle unit. As an alternative, a Manufacturer certification of emissions characteristics of the purchased model that are at least as stringent as the BACT values can be used to fulfill this requirement.

[Rule 62-297.310(7)(a)1, F.A.C. and 40 CFR 60.8]

Test Methods: Any required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Notes: The method shall be based on a continuous sampling train}

**EQUIPMENT SPECIFICATIONS**

8. Equipment: The permittee is authorized to install, operate, and maintain ~~two~~ one auxiliary boilers with a maximum design heat input of 99.8 MMBtu/hr (85,000 lb/hr) ~~each~~ to produce steam during start up of the CTs and two 10 MMBtu/hr process heaters for the purpose of heating the natural gas supply to the CTs. [Applicant Request; Rule 62-210.200(PTE), F.A.C.]

**PERFORMANCE REQUIREMENTS**

9. Hours of Operation: The hours of operation of ~~each~~ the limited use gas-fueled auxiliary boiler shall not exceed ~~500~~ 1500 hours per year. The gas-fueled process heaters are allowed to operate continuously (8760 hours per year). [Applicant Request; Rule 62-210.200(PTE), F.A.C. and 40 CFR 63.7575]

**NOTIFICATION, REPORTING AND RECORDS**

10. Notification: Initial notification is required for the ~~two~~ limited use 99.8 MMBtu/hr gas-fueled auxiliary boilers. Initial notification is not required for the two small gas-fueled 10 MMBtu/hr process heaters. [40 CFR 63.9, 40 CFR 63.7506(c) and Rule 62-204.800(11)(b) F.A.C.]
11. Reporting: The permittee shall maintain records of the amount of natural gas used in the heaters and auxiliary boilers. These records shall be submitted to the Compliance Authority on an annual basis or upon request. [Rule 62-4.070(3) F.A.C.]

## Livingston, Sylvia

---

**From:** Livingston, Sylvia  
**Sent:** Thursday, September 10, 2009 2:37 PM  
**To:** 'randall\_labauve@fpl.com'  
**Cc:** 'ed.prest@fpl.com'; 'john.hampp@fpl.com'; 'ken\_kosky@golder.com'; 'forney.kathleen@epa.gov'; 'abrams.heather@epa.gov'; 'oquendo.ana@epa.gov'; 'dee\_morse@nps.gov'; 'james\_stormer@doh.state.fl.us'; Anderson, Lennon; Halpin, Mike; 'Agreene@co.palm-beach.fl.us'; 'dlodwick@royalpalm.com'; 'twenham@ci.wellington.fl.us'; 'ever\_superintendent@nps.gov'; 'paul.darst@dca.fl.us'; 'atreyu@direcway.com'; 'NanJ58@aol.com'; 'daniellarson@earthlink.net'; 'GremlinLtd@aol.com'; Gibson, Victoria; Koerner, Jeff; Walker, Elizabeth (AIR)  
**Subject:** FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

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/0990646.003.AC.D\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0990646.003.AC.D_pdf.zip)

**Owner/Company Name:** FLORIDA POWER AND LIGHT COMPANY

**Facility Name:** FP&L - WEST COUNTY ENERGY CENTER

**Project Number:** 0990646-003-AC

**Permit Status:** DRAFT

**Permit Activity:** CONSTRUCTION/ MODIFY HOURS OF OPERATION

**Facility County:** PALM BEACH

**Processor:** Jeff Koerner

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Permit project documents are 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)

## Livingston, Sylvia

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**From:** Hampp, John [John.Hampp@fpl.com]  
**Sent:** Thursday, September 10, 2009 5:04 PM  
**To:** Livingston, Sylvia  
**Subject:** RE: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

I can access the information.

---

**From:** Livingston, Sylvia [mailto:Sylvia.Livingston@dep.state.fl.us]  
**Sent:** Thursday, September 10, 2009 2:37 PM  
**To:** randall\_labauve@fpl.com  
**Cc:** Preast, Ed; Hampp, John; ken\_kosky@golder.com; forney.kathleen@epa.gov; abrams.heather@epa.gov; oquendo.ana@epa.gov; dee\_morse@nps.gov; james\_stormer@doh.state.fl.us; Anderson, Lennon; Halpin, Mike; Agreene@co.palm-beach.fl.us; dlodwick@royalpalm.com; twenham@ci.wellington.fl.us; ever\_superintendent@nps.gov; paul.darst@dca.fl.us; atreyu@direcway.com; NanJ58@aol.com; daniellarson@earthlink.net; GremlinLtd@aol.com; Gibson, Victoria; Koerner, Jeff; Walker, Elizabeth (AIR)  
**Subject:** FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

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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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[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/0990646.003.AC.D\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0990646.003.AC.D_pdf.zip)

**Owner/Company Name:** FLORIDA POWER AND LIGHT COMPANY  
**Facility Name:** FP&L - WEST COUNTY ENERGY CENTER  
**Project Number:** 0990646-003-AC  
**Permit Status:** DRAFT  
**Permit Activity:** CONSTRUCTION/ MODIFY HOURS OF OPERATION  
**Facility County:** PALM BEACH  
**Processor:** Jeff Koerner

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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

## Livingston, Sylvia

---

**From:** System Administrator  
**To:** daniellarson@earthlink.net  
**Sent:** Thursday, September 10, 2009 2:47 PM  
**Subject:** Undeliverable:FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

Your message did not reach some or all of the intended recipients.

**Subject:** FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC  
**Sent:** 9/10/2009 2:37 PM

The following recipient(s) cannot be reached:

daniellarson@earthlink.net on 9/10/2009 2:46 PM

There was a SMTP communication problem with the recipient's email server. Please contact your system administrator.

<tlhexsprot2.floridadep.net #5.5.0 smtp;550 daniellarson@earthlink.net...User account is unavailable>

## Livingston, Sylvia

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**From:** System Administrator  
**To:** dlodwick@royalpalm.com  
**Sent:** Thursday, September 10, 2009 2:37 PM  
**Subject:** Undeliverable:FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

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The e-mail account does not exist at the organization this message was sent to.  
Check the e-mail address, or contact the recipient directly to find out the correct address.  
<tlhexsprot2.floridadep.net #5.1.1 smtp;550 5.1.1 User unknown>



## Livingston, Sylvia

---

**From:** System Administrator  
**To:** paul.darst@dca.fl.us  
**Sent:** Thursday, September 10, 2009 2:37 PM  
**Subject:** Undeliverable:FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

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**Sent:** 9/10/2009 2:37 PM

The following recipient(s) cannot be reached:

paul.darst@dca.fl.us on 9/10/2009 2:37 PM

The destination server for this recipient could not be found in Domain Name Service (DNS). Please verify the email address and retry. If that fails, contact your administrator.

<tlhexsprot2.floridadep.net #5.4.0>

## Livingston, Sylvia

---

**From:** Livingston, Sylvia  
**Sent:** Thursday, September 10, 2009 2:49 PM  
**To:** Koerner, Jeff  
**Subject:** FPL West County Energy Center 0990646-003-AC  
**Attachments:** Undeliverable:FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC;  
Undeliverable:FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC;  
Undeliverable:FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

Jeff,

I've attached 3 email addresses that were returned as undeliverable. Also, do I need to send Sheila White a hard-copy of the permit? If so, I need her address.

Thanks,

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**

---

**From:** Koerner, Jeff  
**Sent:** Thursday, September 10, 2009 3:13 PM  
**To:** Livingston, Sylvia  
**Subject:** RE: FPL West County Energy Center 0990646-003-AC

These were the people to whom we sent the original "final" PSD permit.

I'll see if I can find the mission e-mails, but I may not have enough information in the original file.

We might just have to say we tried ...

Here's Ms. Waite's address ...

Jeff

Ms. Sharon Waite  
15058 75<sup>th</sup> Lane North  
Loxahatchee, Florida 33470

---

**From:** Livingston, Sylvia  
**Sent:** Thursday, September 10, 2009 2:53 PM  
**To:** Koerner, Jeff  
**Subject:** RE: FPL West County Energy Center 0990646-003-AC

Oops! I meant Sharon Waite.

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)

---

**From:** Livingston, Sylvia  
**Sent:** Thursday, September 10, 2009 2:49 PM  
**To:** Koerner, Jeff  
**Subject:** FPL West County Energy Center 0990646-003-AC

Jeff,

I've attached 3 email addresses that were returned as undeliverable. Also, do I need to send Sheila White a hard-copy of the permit? If so, I need her address.

## Livingston, Sylvia

---

**From:** Livingston, Sylvia  
**Sent:** Thursday, September 10, 2009 2:54 PM  
**To:** Koerner, Jeff  
**Subject:** FW: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

One more Undeliverable.

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)

---

**From:** System Administrator  
**Sent:** Thursday, September 10, 2009 2:53 PM  
**To:** Livingston, Sylvia  
**Subject:** Undeliverable:FP+ACY-L - WEST COUNTY ENERGY CENTER+ADs- 0990646-003-AC

Your message did not reach some or all of the intended recipients.

Subject: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC  
Sent: 9/10/2009 2:37 PM

The following recipient(s) cannot be reached:

[NanJ58@aol.com](mailto:NanJ58@aol.com) on 9/10/2009 2:53 PM

There was a SMTP communication problem with the recipient's email server. Please contact your system administrator.

<tlhexsprot2.floridadep.net #5.5.0 smtp;550 MAILBOX NOT FOUND>

## Walker, Elizabeth (AIR)

---

**From:** Walker, Elizabeth (AIR)  
**Sent:** Thursday, September 10, 2009 3:59 PM  
**To:** Livingston, Sylvia  
**Subject:** FW: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

Sylvia,

Jeff asked if you would pull the original file (should be somewhere next door to you) to see if we got the e-mail addresses right.

*Elizabeth Walker*  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
(850)921-9505

---

**From:** Koerner, Jeff  
**Sent:** Thursday, September 10, 2009 3:54 PM  
**To:** Livingston, Sylvia  
**Cc:** Walker, Elizabeth (AIR); Vielhauer, Trina  
**Subject:** RE: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

Sylvia,

As I mentioned, this list of names came from the "Notice of Final Permit" for the original PSD project for Units 1 and 2.  
Try: [dlodwick@royalplambeach.com](mailto:dlodwick@royalplambeach.com)

For the others, I also spoke with Al since he did the original project. Paul Darst ([paul.darst@dca.fl.us](mailto:paul.darst@dca.fl.us)) retired from DCA. Trina said this was just a courtesy copy and we could drop it.

We couldn't find any other e-mail addresses or names/addresses for:

[daniellarson@earthlink.net](mailto:daniellarson@earthlink.net)  
[NanJ58@aol.com](mailto:NanJ58@aol.com)

I checked the "on line" PDF files and couldn't find any names/addresses/e-mails ... I will check the hard copy file just in case.

Jeff

---

**From:** Livingston, Sylvia  
**Sent:** Thursday, September 10, 2009 2:54 PM

**To:** Koerner, Jeff  
**Subject:** FW: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC

One more Undeliverable.

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)

---

**From:** System Administrator  
**Sent:** Thursday, September 10, 2009 2:53 PM  
**To:** Livingston, Sylvia  
**Subject:** Undeliverable:FP+ACY-L - WEST COUNTY ENERGY CENTER+ADs- 0990646-003-AC

Your message did not reach some or all of the intended recipients.

Subject: FP&L - WEST COUNTY ENERGY CENTER; 0990646-003-AC  
Sent: 9/10/2009 2:37 PM

The following recipient(s) cannot be reached:

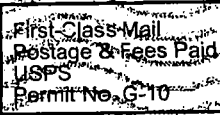
[NanJ58@aol.com](mailto:NanJ58@aol.com) on 9/10/2009 2:53 PM

There was a SMTP communication problem with the recipient's email server. Please contact your system administrator.

<tlhexsprot2.floridadep.net #5.5.0 smtp;550 MAILBOX NOT FOUND>

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <i>Sharon Waite</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Sharon Waite</i> C. Date of Delivery <i>9/14/09</i></p>
<p>1. Article Addressed to:</p> <p>MS. SHARON WAITE  15058 75<sup>TH</sup> LANE NORTH  LOXAHATCHEE, FL 33470</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No  If YES, enter delivery address below:</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number  (Transfer from service label)</p>	<p>7005 1160 0004 3034 5124</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

UNITED STATES POSTAL SERVICE



**RECEIVED**

• Sender: Please print your name, address, and ZIP+4 in this box •

SEP 18 2009

BUREAU OF AIR POLLUTION CONTROL MC ACCT# 5515  
FLORIDA DEPT OF ENVIRONMENTAL PROTECTION  
MAIL STATION 5505  
2600 BI AIRSTONE RD  
TALLAHASSEE, FL 32399-2400

2400

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here  
*9/14/09*

Sent To *Sharon Waite*  
Street, Apt. No., or PO Box No. *15058 75th Ln N*  
City, State, ZIP+4 *Loxahatchee, FL 33470*

215 4E0E 4000 0911 5000