



Florida Department of
Environmental Protection

Memorandum

TO: Trina L. Vielhauer
THRU: A. A. Linero, P.E. 
FROM: Scott M. Sheplak, P.E. 
DATE: October 1, 2007
SUBJECT: Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

Intent to Issue Package

Title V Air Operation Permit Renewal
DRAFT/PROPOSED Permit No.: 1030012-005-AV

Permitting Clock: Today is ARMS Day 21

This application was received by hard copy. A request for additional information was sent on August 17, 2007. A response was received on September 11, 2007.

Attached for approval and signature is a permit to renew the Title V air operation permit. The permit renewal is for the operation of the Higgins Power Plant. The applicant agreed to a parallel review.

The STATEMENT OF BASIS contains an overview of changes made in this permit to the most recently posted Title V permit on the web site. In summary, format changes were made and miscellaneous administrative updates were made. The applicant requested changes to the current permit, Permit No. 1030012-004-AV, in the renewal application. The newly promulgated federal MACTs *do not apply* to these emissions units since the facility *is not* a major source of HAPs. The provisions of Compliance Assurance Monitoring (CAM), contained in 40 CFR 64 also *do not apply*.

The applicant included a compliance plan in the permit renewal application. A compliance plan was included in the permit. The compliance authority, Pinellas County DEM AQD, reported no outstanding compliance or enforcement actions with this facility.

We recommend your approval and signature.

Attachments

AAL/sms



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

P.E. Certification Statement

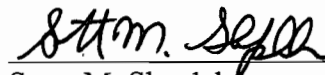
Applicant:

Florida Power Corporation d.b.a.
Progress Energy Florida, Inc.
Higgins Power Plant

Project No.: 1030012-005-AV

Project Type: Title V Air Operation Permit Renewal

I HEREBY CERTIFY that the 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, and geological features).



Scott M. Sheplak
Professional Engineer (P.E.)
License Number 48866



Permitting Authority:

Department of Environmental Protection
Bureau of Air Regulation
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32301
Telephone: 850/921-9532
Fax: 850/921-9533

SMS/



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

October 5, 2007

Electronically Sent - Received Receipt Requested

Mr. David Fernandes
Plant Manager
Higgins Power Plant
Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
299 First Avenue North, MAC PEF-903
St. Petersburg, Florida 33701

Re: Title V Air Operation Permit Renewal
DRAFT/PROPOSED Permit No.: 1030012-005-AV
Higgins Power Plant

Dear Mr. Fernandes:

On June 21, 2007, you submitted an application for a Title V Air Operation Permit Renewal for the Higgins Power Plant, located at 998 East Shore Drive, Oldsmar, Pinellas County. Enclosed are the following documents: "Statement of Basis", "DRAFT/PROPOSED Permit", "Written Notice of Intent to Issue Title V Air Operation Permit", and "Public Notice of Intent to Issue Title V Air Operation Permit".

The "Statement of Basis" summarizes the Permitting Authority's technical review of the application and provides the rationale for making the preliminary determination to issue a DRAFT/PROPOSED Permit. The proposed "DRAFT/PROPOSED Permit" includes specific conditions that regulate the emissions units at this facility. The "Written Notice of Intent to Issue Title V Air Operation Permit" provides important information regarding: the Permitting Authority's intent to issue a Title V air operation permit (DRAFT/PROPOSED Permit); the requirements for publishing a Public Notice of the Permitting Authority's intent to issue the DRAFT/PROPOSED Permit; the procedures for submitting comments on the DRAFT/PROPOSED Permit; the requirements for requesting a public meeting; the requirements for filing a petition for an administrative hearing; and the availability of mediation. The "Public Notice of Intent to Issue Title V Air Operation 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.

Publishing the Public Notice as soon as possible and providing the proof of publication helps ensure the acid rain part (Title IV) and the Title V permit is effective by January 1, 2008.

If you have any questions, please contact Mr. Scott M. Sheplak, P.E. at 850/921-9532.

Sincerely,

Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/aal/sms

Enclosures

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

Mr. David Fernandes
Plant Manager
Higgins Power Plant
Florida Power Corporation d.b.a.
Progress Energy Florida, Inc.
299 First Avenue North, MAC PEF-903
St. Petersburg, Florida 33701

DRAFT/PROPOSED Permit No.:
1030012-005-AV
Higgins Power Plant
Title V Permit Renewal
Pinellas County, Florida

Intent to Issue Title V Air Operation Permit Renewal

Facility Location: The applicant requests a Title V air operation permit (Permit) to operate the Higgins Power Plant, which is located at 998 East Shore Drive, Oldsmar, Pinellas County.

Project: On June 21, 2007, the applicant applied to the Permitting Authority for a permit renewal.

This facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS sources. Each CT exhausts through a separate stack. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts may be relocated to this and six other Progress Energy facilities in Florida.

Details of the project are provided in the application and the enclosed "Statement of Basis".

Permitting Authority: Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213, and 62-214, Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to operate the facility. The Department of Environmental Protection, Bureau of Air Regulation, is the Permitting Authority responsible for making a permit determination regarding this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301. The Permitting Authority's mailing address is: 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114 and facsimile number is 850/921-9533.

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/PROPOSED Permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the DRAFT/PROPOSED Permit by visiting the following web site: <http://www.dep.state.fl.us/air/eproducts/apds/default.asp> .

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue a permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a FINAL Permit in accordance with the conditions of the DRAFT/PROPOSED Permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed "Public Notice of Intent to Issue Title V Air Operation 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 above address or phone number. Pursuant to Rule 62-110.106(5), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within seven (7) days of publication. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form presented in Section 50.051, F.S., to the office of the Department issuing the permit. 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/PROPOSED Permit for a period of thirty (30) days from the date of publication of the Public Notice. Written comments must be post-marked, and all e-mail or facsimile comments must be received by the close of business (5 pm), on or before the end of this 30-day period by the Permitting Authority at the above address, email or facsimile. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the official web site for notices at Florida Administrative Weekly (FAW) at <http://faw.dos.state.fl.us/> and in a newspaper of general circulation in the area affected by the permitting action. **Subsequent action on the Title V and Title IV parts of the Permit Renewal may be split if comments are received on the Title V portion of the DRAFT/PROPOSED Permit.** For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT/PROPOSED Permit, the Permitting Authority shall issue a Revised DRAFT 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 fourteen (14) days of receipt of this Written Notice of Intent to Issue Title V Air Operation Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen (14) days of publication of the attached Public Notice or within fourteen (14) days of receipt of this Written Notice of Intent to Issue Title V Air Operation 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 fourteen (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 how and

when each petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to 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 Title V Air Operation Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.


Mediation: Mediation is not available in this proceeding.

EPA Review & Objections: EPA has agreed to treat the DRAFT Title V Permit as a PROPOSED Title V Permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The FINAL Title V Air Operation Permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions.

The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following web site address <http://epa.gov/region4/air/permits/Florida.htm> .

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

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 this Intent to Issue Title V Air Operation Permit Renewal (including the Public Notice and the DRAFT/PROPOSED permit) and all copies were sent electronically (with Received Receipt) before the close of business on 10/9/07 to the persons listed:

Mr. David Fernandes, PEF: David.Fernandes@pgnmail.com

Mr. Gus Schaefer, PEF: Gustave.Schaefer@pgnmail.com

Mr. J. Michael Kennedy, PEF: j-michael.kennedy@pgnmail.com

Ms. Ann M. Quillian, P.E., PEF: Ann.Quillian@pgnmail.com

Ms. Barbara Friday, DEP BAR: Barbara.Friday@dep.state.fl.us (for posting with U.S. EPA Region 4)

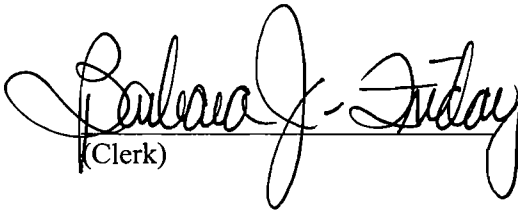
Ms. Cindy Zhang-Torres, P.E., DEP SWD: Zhang-Torres@dep.state.fl.us

Mr. Peter Hessling, PCDEM AQD: [phesslin@co.pinellas.fl.us](mailto:p Hesslin@co.pinellas.fl.us)

Ms. Katy R. Forney, U.S. EPA, Region 4: Forney.Kathleen@epamail.epa.gov

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) 10/9/07
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT

Department of Environmental Protection
DRAFT/PROPOSED Title V Air Operation Permit No. 1030012-005-AV
Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Pinellas County

Applicant: The applicant for this project is Florida Power Corporation d.b.a. Progress Energy Florida, Inc., 299 First Avenue North, MAC PEF-903, St. Petersburg, Florida 33701. The applicant's responsible official is Mr. David Fernandes, Plant Manager.

Facility Location: The applicant operates the Higgins Power Plant, which is located at 998 East Shore Drive, Oldsmar, Pinellas County, Florida.

Project: The applicant submitted an application for a Title V Air Operation Permit Renewal.

The facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS sources. Each CT exhausts through a separate stack. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts may be relocated to this and six other Progress Energy facilities in Florida.

Permitting Authority: Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213, and 62-214 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to operate the facility. The Department of Environmental Protection, Bureau of Air Regulation, is the Permitting Authority responsible for making a permit determination regarding this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301. The Permitting Authority's mailing address is: 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114 and facsimile number is 850/921-9533.

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/PROPOSED Permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the DRAFT/PROPOSED Permit by visiting the following web site: <http://www.dep.state.fl.us/air/eproducts/apds/default.asp> .

Notice of Intent to Issue A Permit: The Permitting Authority gives notice of its intent to issue a permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a FINAL Permit in accordance with the conditions of the DRAFT/PROPOSED Permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the DRAFT/PROPOSED Permit for a period of thirty (30) days from the date of publication of this Public Notice. Written comments must be post-marked and all e-mail or facsimile comments must be received by the close of business (5 pm) on or before the end of this 30-day period by the Permitting Authority at the above address, email or facsimile. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the official web site for notices at Florida Administrative Weekly (FAW) at

<http://faw.dos.state.fl.us/> and in a newspaper of general circulation in the area affected by the permitting action. Subsequent action on the Title V and Title IV parts of the Permit Renewal may be split if comments are received on the Title V portion of the DRAFT/PROPOSED Permit. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT/PROPOSED Permit, the Permitting Authority shall issue a Revised DRAFT 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 fourteen (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 fourteen (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 how and when the petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to 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. 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.

EPA Review & Objections: EPA has agreed to treat the DRAFT Title V Permit as a PROPOSED Title V Permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the

public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The FINAL Title V Air Operation Permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions.

The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following web site address <http://epa.gov/region4/air/permits/Florida.htm> .

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

STATEMENT OF BASIS

Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant
Facility ID No.: 1030012
Pinellas County

Title V Air Operation Permit Renewal
DRAFT/PROPOSED Permit No.: 1030012-005-AV

This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The purpose of this permit is to renew the Title V Air Operation Permit, No. 1030012-002-AV.

This facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS sources (CTP); ancillary equipment and relocatable diesel generators. Each CTP exhausts through a separate stack. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts may be relocated to this and six other Progress Energy facilities in Florida.

The combustion turbine peaking units (CTPs) may only fire new No. 2 fuel oil or natural gas having a maximum sulfur content of 0.5 percent, by weight, and 1 grain per 100 dry standard cubic feet (dscf), respectively. CTP 1 and CTP 2 have a maximum heat input of 566 MMBtu/hour at 59° F and each powers a generator rated at 37.0 MW (megawatts of electricity). CTP 3 and CTP 4 have a maximum heat input of 631 MMBtu/hour at 59° F and each powers a generator rated at 42.9 MW (megawatts of electricity). Emissions are not controlled and each turbine exhausts through a separate stack. These emissions units are not subject to the Acid Rain Program. CTP 1, CTP 2, CTP 3, and CTP 4 began commercial service on March 15, 1969, April 12, 1969, December 1, 1970, and January 9, 1971, respectively.

Per the applicant, the CTPs units are not on “cold standby,” “long term reserve shutdown” or “shutdown.” The applicant provided the hours of operation for each remaining CTP during calendar years 2002 - 2006, as reported in the annual operating reports (AORs).

Annual Hours of Operation for Peaking Units per AORs

| Year | CTP1 | CTP2 | CTP3 | CTP4 |
|------|------|------|------|------|
| 2002 | 340 | 330 | 1006 | 982 |
| 2003 | 849 | 879 | 1149 | 1031 |
| 2004 | 677 | 653 | 641 | 89 |
| 2005 | 569 | 544 | 539 | 608 |
| 2006 | 536 | 386 | 665 | 666 |

The relocatable diesel generator(s) have a maximum (combined) heat input of 25.74 MMBtu/hour while being fueled by 186.3 gallons of new No. 2 fuel oil per hour with a maximum (combined) rating of 2460 kilowatts. These relocatable units serve this and six other

Progress Energy facilities in Florida. Emissions from the generator(s) are uncontrolled. The relocatable diesel generator conditions were requested in the Initial Title V Permit Application for the Anclote Power Plant received June 14, 1996. The generator(s) began commercial operation on August 10, 1994.

The three (3) Fossil Fuel Fired Steam Generators (SGs) (Pre-NSPS) - SG 1, SG 2, & SG 3, Emissions Unit ID Numbers -001, -002 and -003, were torn down and therefore permanently shutdown on October 20, 2006. The SGs had been on long-term reserve shutdown since January 24, 1994 (Rule 62-210.300(2)(a)3.d., F.A.C.). These units are regulated under the Acid Rain Program, Phase II for Retired Units. The date of permanent retirement of these units is January 1, 2007.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Renewal application received on June 21, 2007, this facility *is not* a major source of hazardous air pollutants (HAPs).

In this application the applicant requested a compliance plan. A compliance plan is required because the combustion turbine peaking units CTP 2 and CTP 4 were not able to complete the visible emissions tests while burning fuel oil as required by specific condition B.15. prior to submission of the permit renewal application. A compliance plan is added to the permit as Appendix CP-1 in specific condition B.15.1.

This facility has emissions units that were potentially subject to newly promulgated MACTs under 40 CFR 63; specifically, the Reciprocating Internal Combustion Engines (RICE) MACT Subpart ZZZZ for engines and the MACT Subpart YYYYY for combustion turbines. These newly promulgated federal regulations *do not apply* to these emissions units since the facility *is not* a major source of HAPs.

The provisions of Compliance Assurance Monitoring (CAM), contained in 40 CFR 64 *do not apply*.

Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant
Facility ID No.: 1030012
Pinellas County

Title V Air Operation Permit Renewal

DRAFT/PROPOSED Permit No.: 1030012-005-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation

Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114
Fax: 850/921-9533

Compliance Authority:

Pinellas County Department of Environmental Management
Air Quality Division
300 South Garden Avenue
Clearwater, Florida 33756-5424
Telephone: 727/464-4422
Fax: 727/464-4420

Title V Air Operation Permit Renewal

DRAFT/PROPOSED Permit No.: 1030012-005-AV

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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 Corporation
d.b.a. Progress Energy Florida, Inc.
299 First Avenue North, MAC PEF-903
St. Petersburg, Florida 33701

DRAFT/PROPOSED Permit No.: 1030012-005-AV

Facility ID No.: 1030012

SIC No(s).: 49

Project: Title V Air Operation Permit Renewal

Site Name: Higgins Power Plant

The purpose of this permit is to renew the Title V Air Operation Permit, No. 1030012-002-AV, for the Higgins Power Plant. The three (3) Fossil Fuel Fired Steam Generators (Pre-NSPS) - SG 1, SG 2, & SG 3, Emissions Unit ID Numbers -001, -002 and -003, were torn down and therefore permanently shutdown on October 20, 2006. This existing facility is located at 998 East Shore Drive, Oldsmar, Pinellas County. UTM Coordinates: Zone 17, 336.5 km East and 3098.4 km North; Latitude: 28° 00' 02" North and Longitude: 82° 39' 46" West.

This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213 and 62-214. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix U-1, List of Unregulated Emissions Units and/or Activities
Appendix I-1, List of Insignificant Emissions Units and/or Activities
APPENDIX TV-6, TITLE V CONDITIONS version dated 06/23/06
APPENDIX SS-1, STACK SAMPLING FACILITIES version dated 10/07/96
TABLE 297.310-1, CALIBRATION SCHEDULE version dated 10/07/96
Appendix AR-1, Acid Rain: Retired Unit Exemption received June 21, 2007
Appendix CP-1, Compliance Plan

Effective Date: January 1, 2008

Renewal Application Due Date: July 4, 2012

Expiration Date: December 31, 2012

Joseph Kahn, Director
Division of Air Resource Management

JK/tlv/aal/sms

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS sources. Each CT exhausts through a separate stack. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts may be relocated to this and six other Progress Energy facilities in Florida.

The three (3) Fossil Fuel Fired Steam Generators (SGs) (Pre-NSPS) - SG 1, SG 2, & SG 3, Emissions Unit ID Numbers -001, -002 and -003, were torn down and therefore permanently shutdown on October 20, 2006. The SGs had been on long-term reserve shutdown since January 24, 1994 (Rule 62-210.300(2)(a)3.d., F.A.C.). These units are regulated under the Acid Rain Program, Phase II. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Renewal application received on June 21, 2007, this facility is *not* a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

| E.U. ID No. | Brief Description |
|--------------------|---|
| -004 - 007 | Four Combustion Turbine Peaking Units (Pre-NSPS) - CTP 1, CTP 2, CTP 3, & CTP 4 |
| 7775047 -001 | Relocatable Diesel Generator(s) |
| -001 | Fossil Fuel Fired Steam Generator - SG 1 (Retired Acid Rain Unit) |
| -002 | Fossil Fuel Fired Steam Generator - SG 2 (Retired Acid Rain Unit) |
| -003 | Fossil Fuel Fired Steam Generator - SG 3 (Retired Acid Rain Unit) |

Unregulated Emissions Units and/or Activities

| | |
|------|--------------------|
| -010 | Fuel Storage Tanks |
|------|--------------------|

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History/ID Number Changes

Statement of Basis

These documents and related correspondence are on file with the permitting authority:

Application (hard copy) for a Title V Air Operation Permit Renewal received on June 21, 2007.

Florida Power Corporation
d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

Request for Additional Information dated August 16, 2007.

Response received on September 11, 2007.

DRAFT/PROPOSED Title V Air Operation Permit Renewal clerked on Month, 2007.

Public Notice published on Month , 2007.

Notification to U.S. EPA Region 4 of Publication of Public Notice dated Month , 2007.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-6, TITLE V CONDITIONS, is a part of this permit.
{Permitting note: APPENDIX TV-6, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}
2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard.
Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
4. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018
 - and,
 - b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.
[40 CFR 68]
5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), F.A.C.]
6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6) and 62-4.040(1)(b), F.A.C.]
7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds Emissions or Organic Solvents Emissions. The permittee shall allow no person to 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: **Nothing was deemed necessary and ordered at this time.**
[Rule 62-296.320(1)(a), F.A.C.; and, renewal Title V permit application received on June 21, 2007.]

8. Emissions of Unconfined Particulate Matter. Pursuant to Rules 62-296.320(4)(c)1., 3. & 4., F.A.C., reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following requirements (see Condition 57. of APPENDIX TV-6, TITLE V CONDITIONS):

The following requirements are “not federally enforceable”:

- a. Maintenance of paved areas as needed,
- b. Regular mowing of grass and care of vegetation, and,
- c. limiting access to plant property by unnecessary vehicles.

[Rule 62-296.320(4)(c)2., F.A.C. and proposed by applicant in the Title V permit renewal application received on June 21, 2007.]

9. Timely Recording, Monitoring and Reporting. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

10. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, F.A.C.]

{Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of APPENDIX TV-6, TITLE V CONDITIONS)}

11. Compliance Authority. The permittee shall submit all compliance related notifications and reports required of this permit to the Air Quality Division of the Pinellas County Department of Environmental Management:

Pinellas County Department of Environmental Management
Air Quality Division
300 South Garden Avenue
Clearwater, Florida 33756
Telephone: 727/464-4422
Fax: 727/464-4420

12. EPA Contact Information. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155; Fax: 404/562-9163

13. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall

contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.

[Rule 62-213.420(4), F.A.C.]

14. Subsection C of Section III addresses specific conditions for a Relocatable Diesel Fired Generator(s) that may be relocated to this and six other FPC facilities. These specific conditions, requested in the Initial Title V Permit Application for the Anclote Power Plant received June 14, 1996, will become active and enforceable when FPC has notified the Department (as per specific condition III.C.24) that the relocatable generator(s) will be relocated to the Higgins Power Plant.

[AO 09-205952; and, Initial Title V Permit Application for the Anclote Power Plant received June 14, 1996.]

Section III. Emissions Unit(s) and Conditions.

Subsection B. This section addresses the following emissions unit(s).

| <u>E.U. ID No.</u> | <u>Brief Description</u> |
|--------------------|---|
| -004 - 007 | Four Combustion Turbine Peaking Units (Pre-NSPS) - CTP 1, CTP 2, CTP 3, & CTP 4 |

The above referenced combustion turbine peaking units (CTPs) may only fire new No. 2 fuel oil or natural gas having a maximum sulfur content of 0.5 percent, by weight, and 1 grain per 100 dry standard cubic feet (dscf), respectively. CTP 1 and CTP 2 have a maximum heat input of 566 MMBtu/hour at 59° F and each powers a generator rated at 37.0 MW (megawatts of electricity). CTP 3 and CTP 4 have a maximum heat input of 631 MMBtu/hour at 59° F and each powers a generator rated at 42.9 MW (megawatts of electricity). Emissions are not controlled and each turbine exhausts through a separate stack. These emissions units are pre-NSPS and not subject to the Acid Rain Program. CTP 1, CTP 2, CTP 3, and CTP 4 began commercial service on March 15, 1969, April 12, 1969, December 1, 1970, and January 9, 1971, respectively. Per the permittee, these units are not on “cold standby,” “long term reserve shutdown” or “shutdown.”

{Permitting Note: The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required.}

The following specific conditions apply to the above referenced emissions units:

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. CTP 1 and CTP 2 each have a maximum heat input of 566 MMBtu/hour at 59° F and each powers a generator rated at 37.0 MW (megawatts of electricity). CTP 3 and CTP 4 each have a maximum heat input of 631 MMBtu/hour at 59° F and each powers a generator rated at 42.9 MW. At other ambient temperatures, the units shall be operated in accordance with established performance curves, which will be made available at the site during compliance testing.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, AO 52-216420, AO 52-216421, AO 52-216422, and AO 52-216423.]

{Permitting note: The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. Regular record keeping is not required for heat input. Instead the owner or operator is expected to determine heat input whenever emission testing is required, to demonstrate at what percentage of the rated capacity that the unit was tested. Rule 62-297.310(5), F.A.C., included in the permit, requires measurement of the process variables for emission tests. Such heat input determination may be based on measurements of fuel consumption by various methods including but not limited to fuel flow metering or tank drop measurements, using the heat value of the fuel determined by the fuel vendor or the owner or operator, to calculate average hourly heat input during the test.}

B.2. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition **B.13**.

B.3. Hours of Operation. Each emissions unit may operate continuously, i.e., 8,760 hours/year/CT.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

B.4. Methods of Operation - Fuels.

(a). Only new No. 2 fuel oil having a maximum sulfur content of 0.5 percent, by weight, or natural gas having a maximum sulfur content of 1 grain per 100 dscf shall be fired in these turbines.

(b). The heat inputs in Specific Condition B.1 are based on the following fuel consumption rates while firing new No. 2 fuel oil and natural gas. These rates may vary depending on the heating values of the fuels:

| Emissions Unit(s) | New No. 2 Fuel Oil | Natural Gas |
|-------------------|----------------------------|--------------|
| CTP 1 & CTP 2 | 4,032 gals/hr (96 bbl/hr) | 0.57 MMCF/hr |
| CTP 3 & CTP 4 | 4,494 gals/hr (107 bbl/hr) | 0.63 MMCF/hr |

[Rules 62-4.160(2) and 62-213.440(1), F.A.C.; and, AO 64-216420, AO-216421, AO 64-216422, and AO 64-216423.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

{Permitting note: Unless otherwise specified, the averaging time for Specific Condition **B.5.** is based on the specified averaging time of the applicable test method.}

B.5. Visible Emissions. Visible emissions from each turbine shall not be equal to or greater than 20 percent opacity.

[Rule 62-296.320(4)(b)1., F.A.C.; and, AO 64-216420, AO-216421, AO 64-216422, and AO 64-216423.]

B.6. Sulfur Content. The sulfur content of the new No. 2 fuel oil shall not exceed 0.5 percent, by weight, and the sulfur content of the natural gas shall not exceed 1 gr/100 dscf.

[Rule 62-213.440, F.A.C.; and, AO 64-216420, AO-216421, AO 64-216422, and AO 64-216423.]

Excess Emissions

B.7. Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and 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.]

B.8. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

B.9. The permittee shall demonstrate compliance with the sulfur content limit with a fuel analysis provided by the vendor or permittee upon each fuel delivery. See Specific Condition **B.12**.
[Rule 62-213.440, F.A.C.; and, AO 52-216420, AO 52-216421, AO 52-216422, and AO 52-216423.]

B.10. 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.]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.11. The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
[Rules 62-204.800, 62-296.320(4)(b)4.a. and 62-297.401, F.A.C.]

B.12. The fuel sulfur content, percent by weight, provided by the vendor or permittee for each delivery of liquid fuels shall be evaluated using either ASTM D1552-90 or later editions, ASTM D2622-94, ASTM D4294-90, or both ASTM D4057-88 and ASTM D129-91, or the later editions. In addition, any ASTM method (or later editions) referenced in Rule 62-297-440(1) F.A.C., or in 40 CFR 60.335 (b) (10) is acceptable.
[Rules 62-213.440 and 62-297.440, F.A.C.]

B.13. Operating Rate During Testing.

Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than capacity. If it is impracticable 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.
[Rules 62-297.310(2) & (2)(b), F.A.C.]

B.14. Applicable Test Procedures.

(a) **Required Sampling Time.**

2. Opacity Compliance Tests. When EPA Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

[Rule 62-297.310(4)(a)2.c., F.A.C.]

B.15. Frequency of Compliance Tests. The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

a. Did not operate; or

b. In the case of a fuel burning emissions unit, burned liquid fuel for a total of no more than 400 hours.

4. During each federal fiscal year (October 1 - September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:

a. Visible emissions, if there is an applicable standard;

8. Any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit.

9. The owner or operator shall notify the Air Quality Division of the Pinellas County Department of Environmental Management, 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.

(b) Special Compliance Tests. When the Air Quality Division of the Pinellas County Department of Environmental Management, 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 may 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 Air Quality Division of the Pinellas County Department of Environmental Management.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test

procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.

[Rule 62-297.310(7), F.A.C.; and, SIP approved]

B.15.1. CTP 2 and CTP 4 shall comply with **Appendix CP-1, Compliance Plan**, attached as a part of this permit.

[Rule 62-213.440(2), F.A.C.]

B.16. Visible Emissions Testing - Annual. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning:

- a. only gaseous fuels; or
- b. gaseous fuels in combination with any amount of liquid fuels for less than 400 hours per year; or
- c. only liquid fuels for less than 400 hours per year.

[Rules 62-297.310(7)(a)4. and 8., F.A.C.]

Record keeping and Reporting Requirements

B.17. Malfunction Reporting. In the case of excess emissions resulting from malfunctions as defined in Specific Conditions B.7 and B.8, each owner or operator shall notify the Department 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 Air Quality Division of the Pinellas County Department of Environmental Management.

[Rule 62-210.700(6), F.A.C.]

B.18. Test Reports.

(a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Air Quality Division of the Pinellas County Department of Environmental Management on the results of each such test.

(b) The required test report shall be filed with the Air Quality Division of the Pinellas County Department of Environmental Management as soon as practical but no later than 45 days after the last sampling run of each test is completed.

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

Section III. Emissions Unit(s) and Conditions.

Subsection C. This section addresses the following emissions unit(s).

| <u>E.U. ID No.</u> | <u>Brief Description</u> |
|---------------------------|---------------------------------------|
| -7775047 -001 | Relocatable Diesel Fired Generator(s) |

The relocatable diesel generator(s) will have a maximum (combined) heat input of 25.74 MMBtu/hour while being fueled by 186.3 gallons of new No. 2 fuel oil per hour with a maximum (combined) rating of 2460 kilowatts. Emissions from the generator(s) are uncontrolled. The relocatable diesel generator conditions were requested in the Initial Title V Permit Application for the Anclote Power Plant received June 14, 1996. The generator(s) may be relocated at this facility and any of the following facilities:

1. Crystal River Plant, Powerline Road, Red Level, Citrus County.
2. Bartow Plant, Weedon Island, St. Petersburg, Pinellas County.
3. Anclote Power Plant, 1729 Baileys Bluff Road, Holliday, Pasco County.
4. Bayboro Plant, 13th Ave. & 2nd St. South, St. Petersburg, Pinellas County.
5. Wildwood Reclamation Facility, State Road 462, 1 mi. east of U.S. 301, Wildwood, Sumter County.
6. The future FPC Polk County Site (now known as Hines Energy Complex), County Road 555, 1 mi. Southwest of Homeland, Polk County.

{Permitting notes: These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required. Each generator has its own stack.}

The following specific conditions apply to the emissions units listed above regardless of location:

Essential Potential to Emit (PTE) Parameters

C.1. These conditions become active and enforceable once FPC has given notification to the Air Quality Division of the Pinellas County Department of Environmental Management, if appropriate, that these units will be relocated to this facility. Notification shall be given as per Specific Condition C.24. [Rule 62-4.070(3), F.A.C.; Anclote Power Plant Permit AC 09-202080; and, Initial Title V Permit Application for the Anclote Power Plant received June 14,1996.]

C.2. Permitted Capacity. The maximum operation heat input rates are as follows:
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

| <u>Unit No.</u> | <u>MMBtu/hr/generator(s) Heat Input</u> | <u>Fuel Type</u> |
|------------------------|--|-------------------------------|
| -7775047 -001 | 25.74 | New Low Sulfur No. 2 Fuel Oil |

C.3. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition C.14.
[Rule 62-297.310(2), F.A.C.]

C.4. Methods of Operation - Fuels. Only new low sulfur No. 2 fuel oil shall be fired in these diesel generators.
[Rule 62-213.410, F.A.C.]

C.5. Hours of Operation. The hours of operation expressed as “engine-hours” shall not exceed 2970 hours in any consecutive 12 month period. The total hours of operation, expressed as “engine-hours”, shall be the summation of the individual hours of operation of each generator.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

{Permitting note: The averaging time for condition C.6. is based on the run time of the specified test method, unless otherwise specified in this permit.}

C.6. Visible Emissions. Visible emissions from each generator shall not be equal to or greater than 20 percent opacity.
[Rule 62-296.320(4)(b)1., F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

C.7. Sulfur Dioxide - Sulfur Content. The sulfur content of the new No. 2 fuel oil shall not exceed 0.50 percent, by weight.
[Requested in initial Title V Permit application dated June 14, 1996; and, Anclote Power Plant Permit AC 09-202080.]

Excess Emissions

C.8. Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and 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.]

C.9. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

C.10. The permittee shall demonstrate compliance with the liquid fuel sulfur limit by means of a fuel analysis provided by the vendor or permittee upon each fuel delivery. See Specific Condition C.13.
[Rule 62-213.440, F.A.C.]

C.11. 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.]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

C.12. The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)4.a. and 62-297.401, F.A.C.]

C.13. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using either ASTM D1552-90 or later editions, ASTM D2622-94, ASTM D4294-90, or both ASTM D4057-88, and ASTM D129-95, or later editions. In addition, any ASTM method (or later editions) referenced in Rule 62-297-440(1) F.A.C., or in 40 CFR 60.335 (b) (10) is acceptable.
[Rules 62-213.440 and 62-297.440, F.A.C.]

C.14. Operating Rate During Testing. Testing of emissions shall be conducted with the generator(s) operating at 90 to 100 percent of the maximum fuel firing rate of 186.3 gallons per hour. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity (i.e., at less than 90 percent of the maximum operation rate allowed by the permit); in this case, subsequent emissions unit operations may be limited to 110 percent of the test load until a new test is conducted, provided however, operations do not exceed 100 percent of the maximum operation rate allowed by the permit. Once the emissions 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. Failure to submit the actual operating rate may invalidate the test.
[Rules 62-297.310(2), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

C.15. Applicable Test Procedures.

(a) Required Sampling Time.

2. Opacity Compliance Tests. The required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

[Rule 62-297.310(4)(a)2.c., F.A.C.]

C.16. Frequency of Compliance Tests. The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

(a) General Compliance Testing.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

a. Did not operate; or

b. In the case of a fuel burning emissions unit, burned liquid fuel for a total of no more than 400 hours.

4. During each federal fiscal year (October 1 - September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:

a. Visible emissions, if there is an applicable standard;

8. Any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit.

9. The owner or operator shall notify the Air Quality Division of the Pinellas County Department of Environmental Management 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.

(b) Special Compliance Tests. When the Air Quality Division of the Pinellas County Department of Environmental Management, 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 may 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 Air Quality Division of the Pinellas County Department of Environmental Management.

(c) Waiver of Compliance Test Requirements. If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.

[Rule 62-297.310(7), F.A.C.; SIP approved; and, Anclote Power Plant Permit AO 09-205952.]

C.17. Visible Emissions Testing - Annual. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning liquid fuels for less than 400 hours per year.

[Rules 62-297.310(7)(a)4. & 8., F.A.C.]

C.18. After each relocation, each generator shall be tested within 30 days of startup for opacity and the fuel shall be analyzed for the sulfur content. See Specific Conditions C.6, C.7, C.10, C.13, and C.14. [Rules 62-4.070(3) and 62-297.310(7)(b), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

Recordkeeping and Reporting Requirements

C.19. Malfunction Reporting. In the case of excess emissions resulting from malfunctions, the owner or operator shall notify the Air Quality Division of the Pinellas County Department of Environmental Management 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 Air Quality Division of the Pinellas County Department of Environmental Management. [Rule 62-210.700(6), F.A.C.]

C.20. Test Reports.

- (a) Each generator shall be tested on an annual basis within 30 days of the date October 25.
- (b) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Air Quality Division of the Pinellas County Department of Environmental Management on the results of each such test.
- (c) The required test report shall be filed with the Air Quality Division of the Pinellas County Department of Environmental Management as soon as practical but no later than 45 days after the last sampling run of each test is completed.
- (d) The test reports for a unit that has been relocated shall be submitted to the Department office that will handle compliance issues for the new location within 45 days of testing. [Rule 62-297.310(8), F.A.C.; and, Anclote Power Plant Permit AO 09-25952.]

C.21. To demonstrate compliance with Specific Condition C.5, records shall indicate the daily hours of operation for each diesel generator, the daily hours of operation expressed as “engine- hours”, and cumulative total hours of operation expressed as “engine hours” for each month. The records shall be maintained for a minimum of 5 years and made available to the Air Quality Division of the Pinellas County Department of Environmental Management upon request. [Rules 62-213.440 and 62-297.310(8), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

C.22. To demonstrate compliance with Specific Condition C.7, records of the sulfur content, in percent by weight, of all the fuel burned shall be kept based on either vendor provided as-delivered or as-received fuel sample analysis. The records shall be maintained for a minimum of 5 years and made available to the Air Quality Division of the Pinellas County Department of Environmental Management upon request. [Rule 62-297.310(8), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

Source Obligation

C.23. Specific conditions in Anclote Power Plant construction permit AC 09-202080, limiting the “engine hours” were accepted by the applicant to escape Prevention of Significant Deterioration review. If Florida Power Corporation requests a relaxation of any of the federally enforceable emission limits in this permit, the relaxation of limits may be subject to the preconstruction review requirements of Rule 62-212.400(5), F.A.C., as though construction had not yet begun. [Rule 62-212.400(2)(g), F.A.C.; and, Anclote Power Plant Permits AC 09-202080 and AO 09-205952.]

C.24. Florida Power Corporation shall notify the Department's district office and the local air program (when applicable) of where the diesel generator(s) is/are presently located and where the diesel generator(s) is/are to be relocated, in writing, at least 15 days prior to the date on which any diesel generator(s) is/are to be relocated. The notification shall specify the following:

- a. which generator(s), by serial number, is/are being relocated,
- b. which location the generator(s) is being relocated from and which location it is being relocated to, and
- c. the approximate startup date at the new location.

[Rule 62-4.070(3), F.A.C.; and, Anclote Power Plant Permit AC 09-202080]

Section IV. This section is the Acid Rain Part.

Operated by: Florida Power Corporation
ORIS code: 630

Subsection A. This subsection addresses Acid Rain, Phase II.

The emissions units listed below are regulated under Acid Rain Program, Phase II.

| E.U. ID No. | Brief Description |
|--------------------|---|
| -001 | Fossil Fuel Fired Steam Generator - SG 1 (Retired Acid Rain Unit) |
| -002 | Fossil Fuel Fired Steam Generator - SG 2 (Retired Acid Rain Unit) |
| -003 | Fossil Fuel Fired Steam Generator - SG 3 (Retired Acid Rain Unit) |

The three (3) Fossil Fuel Fired Steam Generators (SGs) (Pre-NSPS) - SG 1, SG 2, & SG 3, Emissions Unit ID Numbers -001, -002 and -003, were torn down and therefore permanently shutdown on October 20, 2006. The SGs had been on long-term reserve shutdown since January 24, 1994 (Rule 62-210.300(2)(a)3.d., F.A.C.). These units are regulated under the Federal Acid Rain Program, Phase II for Retired Units. The date of permanent retirement of these units is January 1, 2007.

A.1. The Designated Representative of these acid rain units applied for exemptions from the requirements of the Federal Acid Rain Program by submitting completed and signed "New Retired Unit Exemption" forms (DEP Form Nos. 62-210.900(1)(a)3., F.A.C.) to the Department. The date of permanent retirement of these units is January 1, 2007. These units have been completely dismantled and removed from the facility. Operation of these units has been formally surrendered in the Title V permit renewal application received on June 21, 2007.
[Chapter 62-213; Rule 62-214.340(2), F.A.C.; and, 40 CFR 72.8.]

A.2. The "New Retired Unit Exemption" forms (DEP Form No. 62-210.900(1)(a)3., F.A.C., Effective: 4-16-01) signed by the Designated Representative on June 11, 2007, submitted for this facility constitute the Acid Rain Part applications pursuant to 40 CFR 72.8 and are a part of this permit. The owners and operators of these acid rain units shall comply with the standard requirements and special provisions set forth in the DEP Form Nos. 62-210.900(1)(a)3., F.A.C., Effective: 4-16-01, attached.

These units are subject to the following: 40 CFR 72.1 which requires the units to have an Acid Rain Part as part of its Title V permit; 40 CFR 72.2 which provides associated definitions; 40 CFR 72.3 which provides measurements, abbreviations, and acronyms; 40 CFR 72.4 which provides the federal authority of the Administrator; 40 CFR 72.5 which provides the authority of the states; 40 CFR 72.6 which makes the boilers Phase II units; 40 CFR 72.10 which gives the public access to information about this unit; and, 40 CFR 72.13 which incorporates certain ASTM methods into 40 CFR Part 72.
[Chapter 62-213 and Rule 62-214.340(2), F.A.C.]

A.3 Sulfur dioxide (SO₂) allowance allocations requirements for each Acid Rain unit are as follows:

| E.U. ID No. | EPA ID | Year | 2008 | 2009 | 2010 | 2011 | 2012 |
|--------------------|---------------|--|-------------|-------------|-------------|-------------|-------------|
| -001 | 1 | SO₂ allowances, under Table 2 or 3 of 40 CFR Part 73 | 423* | 423* | 423* | 423* | 423* |
| -002 | 2 | SO₂ allowances, under Table 2 or 3 of 40 CFR Part 73 | 475* | 475* | 475* | 475* | 475* |
| -003 | 3 | SO₂ allowances, under Table 2 or 3 of 40 CFR Part 73 | 969* | 969* | 434* | 434* | 434* |

*The number of allowances held by an Acid Rain source in a unit account may differ from the number allocated by the USEPA under Table 2 or 3 of 40 CFR 73.

A.4. Emission Allowances. Emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.

1. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.400(3), F.A.C.
2. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.
3. Allowances shall be accounted for under the Federal Acid Rain Program.
[Rule 62-213.440(1)(c), F.A.C.]

A.5. Fast-Track Revisions of Acid Rain Parts. Those Acid Rain sources making a change described at Rule 62- 214.370(4), F.A.C., may request such change as provided in Rule 62-213.413, F.A.C., Fast-Track Revisions of Acid Rain Parts.
[Rules 62-213.413 and 62-214.370(4), F.A.C.]

A.6. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
[40 CFR 70.6(a)(1)(ii); and, Rule 62-210.200, Definitions - Applicable Requirements, F.A.C.]

A.7. Comments, notes, and justifications: none.

Appendix U-1, List of Unregulated Emissions Units and/or Activities.

Florida Power Corporation
d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

Unregulated Emissions Units and/or Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

| <u>E.U. ID</u> | <u>Brief Description of Emissions Units and/or Activity</u> |
|-----------------------|--|
| -010 | Fuel Storage Tanks |

Appendix I-1, List of Insignificant Emissions Units and/or Activities.

Florida Power Corporation
d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, or that meet the criteria specified in Rule 62-210.300(3)(b)1., F.A.C., Generic Emissions Unit Exemption, are exempt from the permitting requirements of Chapters 62-210, 62-212 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

Brief Description of Emissions Units and/or Activities

| |
|--------------------------------------|
| Lube Oil System Vents |
| Lube Oil Reservoir Tank |
| Parts Washers/Degreasers |
| Waste Oil Storage Tanks |
| Lube Oil Storage Shed |
| Surface Coating and Solvent Cleaning |
| No. 2 Diesel Truck Fueling Station |

Appendix AR-1, Acid Rain.

Florida Power Corporation
d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

The emissions units listed below are regulated under Acid Rain Program, Phase II.

| <u>E.U. ID No.</u> | <u>Brief Description</u> |
|---------------------------|---|
| -001 | Fossil Fuel Fired Steam Generator - SG 1 (Retired Acid Rain Unit) |
| -002 | Fossil Fuel Fired Steam Generator - SG 2 (Retired Acid Rain Unit) |
| -003 | Fossil Fuel Fired Steam Generator - SG 3 (Retired Acid Rain Unit) |

The Designated Representative of these acid rain units applied for exemptions from the requirements of the Federal Acid Rain Program by submitting to the Department completed "New Retired Unit Exemption" forms (DEP Form Nos. 62-210.900(1)(a)3., F.A.C., Effective: 4-16-01) signed by the Designated Representative on June 11, 2007.

The submitted forms were scanned and attached in this appendix.

Retired Unit Exemption

For more information, see instructions and refer to Rule 62-214.340(2), F.A.C., and 40 CFR 72.8

This submission is:

New

Revised

Page 1

STEP 1

Identify the unit by plant name, State, ORIS code and unit ID#.

| | | | |
|------------|---------|-----------|----------|
| Higgins | Florida | 0630 | 1 |
| Plant Name | State | ORIS Code | Unit ID# |

STEP 2

Identify the first full calendar year in which the unit meets (or will meet) the requirements of Rule 62-214.340(2)(a), F.A.C.

January 1, 2007.

STEP 3

Read the special provisions.

Special Provisions

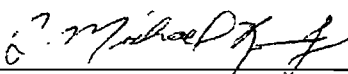
- (1) A unit exempt under Rule 62-214.340(2), F.A.C., shall not emit any sulfur dioxide and nitrogen oxides starting on the date that the exemption takes effect. The owners and operators of the unit will be allocated allowances in accordance with 40 CFR part 73 subpart B. If the unit is a Phase I unit, for each calendar year in Phase I, the designated representative of the unit shall submit a Phase I permit application in accordance with 40 CFR part 72 subparts C and D and an annual certification report in accordance with 40 CFR 72.90 through 72.92 and is subject to 40 CFR 72.95 and 72.96.
- (2) A unit exempt under Rule 62-214.340(2), F.A.C., shall not resume operation unless the designated representative of the source that includes the unit submits a complete Acid Rain part application under Rule 62-214.320, F.A.C., for the unit not less than 24 months prior to the date on which the unit is first to resume operation.
- (3) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under Rule 62-214.340(2), F.A.C., shall comply with the requirements of Chapter 62-214, F.A.C., and the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
- (4) For any period for which a unit is exempt under Rule 62-214.340(2), F.A.C., the unit is not an Acid Rain unit and is not eligible to be an opt-in source under 40 CFR part 74. As a non-Acid Rain Unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR part 70.
- (5) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-214.340(2), F.A.C., shall retain at the source that includes the unit records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the EPA or the Department. The owners and operators bear the burden of proof that the unit is permanently retired.
- (6) On the earlier of the following dates, a unit exempt under Rule 62-214.340(2), F.A.C., shall lose its exemption and become an Acid Rain Unit: (i) the date on which the designated representative submits an Acid Rain part application under paragraph (2); or (ii) the date on which the designated representative is required under paragraph (2) to submit an Acid Rain part application. For the purpose of applying monitoring requirements under 40 CFR part 75, a unit that loses its exemption under Rule 62-214.340(2), F.A.C., shall be treated as a new unit that commenced commercial operation on the first date on which the unit resumes operation.

STEP 4

Read the appropriate certification and sign and date.

Certification (for designated representatives only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|---|--------------|
| Name J. Michael Kennedy | |
| Signature  | Date 6/11/07 |

Plant Name (from Step 1)
Higgins

STEP 4, cont'd.
Read the appropriate
certification and sign
and date.

Certification (for certifying officials only)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|-----------|------|
| Name | |
| Signature | Date |

Certification (for additional certifying officials, if applicable)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|-----------|------|
| Name | |
| Signature | Date |

Certification (for additional certifying officials, if applicable)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|-----------|------|
| Name | |
| Signature | Date |

Acid Rain Program

Instructions for Retired Unit Exemption

Form (Rule 62-214.340(2), F.A.C., and 40 CFR 72.8)

The Acid Rain regulations provide that an Acid Rain unit that is permanently retired is exempted from the requirements to obtain a Phase II acid rain part, monitor emissions, and hold allowances, except for requirements concerning reduced utilization in Phase I (1995-1999). The designated representative or certifying official(s) of such a unit must submit the Retired Unit Exemption form. The provisions governing the retired unit exemption are found at Rule 62-214.340(2), F.A.C.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 Use the plant name and ORIS code listed on the Certificate of Representation (if any) for the Acid Rain source. An ORIS code is a 4 digit number assigned by the Energy Information Agency (EIA) at the U.S. Department of Energy to power plants owned by utilities. If the plant is not owned by a utility but has a 5 digit facility code (also assigned by EIA), use the facility code. If there is uncertainty regarding what the code number is, contact EIA at (202) 426-1234 (for ORIS codes), or (202) 426-1269 (for facility codes).

Identify the Acid Rain unit by providing the appropriate unit identification number. The identification number entered for the unit should be consistent with the Certificate of Representation (if any) for the Acid Rain source, with the unit identification numbers listed in NADB (for units that commenced operation prior to 1993), and with the unit identification number used in reporting to DOE and/or EIA. NADB is the National Allowance Data Base for the Acid Rain Program, and can be downloaded from the Acid Rain Program Website at www.epa.gov/acidrain/ or obtained on diskette by calling the Acid Rain Hotline at (202) 564-9620. This data file is in dBase format for use on an IBM-compatible PC and requires 2 megabytes of hard drive memory.

STEP 2 Enter the first full calendar year in which the unit is permanently retired. The exemption becomes effective January 1 of that year, but the unit may lose the exemption as provided in 40 CFR 72.8(d)(6).

STEP 4 For a unit for which a designated representative has been authorized, the designated representative or alternate designated representative must read, sign, and date the certification at STEP 4 labeled "for designated representatives only" and submit this form.

If no designated representative has been authorized, a certifying official for each owner of the unit must read, sign, and date the certification at STEP 4 labeled "for certifying officials only" and submit this form. A certifying official is not required to submit a Certificate of Representation. If there is more than one owner of a unit for which no designated representative has been authorized, each owner of the unit must have a certifying official sign the appropriate certification at STEP 4.

Submission Deadlines

The form must be submitted by December 31 of the first year in which the unit is to be exempt.

Submission Instructions

Submit this form and 1 copy to the appropriate title V air permitting authority and a copy to:

U.S. Environmental Protection Agency
Acid Rain Program (6204J)
Attn: Retired Unit Exemption
401 M St., SW
Washington, DC 20460.

If you have questions regarding this form, contact your local, State, or EPA Regional acid rain contact, or call EPA's Acid Rain Hotline at (202) 564-9620.

Retired Unit Exemption

For more information, see instructions and refer to Rule 62-214.340(2), F.A.C., and 40 CFR 72.8

This submission is:

New

Revised

Page 1

STEP 1

Identify the unit by plant name, State, ORIS code and unit ID#.

| | | | |
|------------|---------|-----------|----------|
| Higgins | Florida | 0630 | 2 |
| Plant Name | State | ORIS Code | Unit ID# |

STEP 2

Identify the first full calendar year in which the unit meets (or will meet) the requirements of Rule 62-214.340(2)(a), F.A.C.

January 1, 2007.

STEP 3

Read the special provisions.

Special Provisions

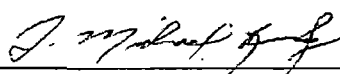
- (1) A unit exempt under Rule 62-214.340(2), F.A.C., shall not emit any sulfur dioxide and nitrogen oxides starting on the date that the exemption takes effect. The owners and operators of the unit will be allocated allowances in accordance with 40 CFR part 73 subpart B. If the unit is a Phase I unit, for each calendar year in Phase I, the designated representative of the unit shall submit a Phase I permit application in accordance with 40 CFR part 72 subparts C and D and an annual certification report in accordance with 40 CFR 72.90 through 72.92 and is subject to 40 CFR 72.95 and 72.96.
- (2) A unit exempt under Rule 62-214.340(2), F.A.C., shall not resume operation unless the designated representative of the source that includes the unit submits a complete Acid Rain part application under Rule 62-214.320, F.A.C., for the unit not less than 24 months prior to the date on which the unit is first to resume operation.
- (3) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under Rule 62-214.340(2), F.A.C., shall comply with the requirements of Chapter 62-214, F.A.C., and the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
- (4) For any period for which a unit is exempt under Rule 62-214.340(2), F.A.C., the unit is not an Acid Rain unit and is not eligible to be an opt-in source under 40 CFR part 74. As a non-Acid Rain Unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR part 70.
- (5) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-214.340(2), F.A.C., shall retain at the source that includes the unit records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the EPA or the Department. The owners and operators bear the burden of proof that the unit is permanently retired.
- (6) On the earlier of the following dates, a unit exempt under Rule 62-214.340(2), F.A.C., shall lose its exemption and become an Acid Rain Unit: (i) the date on which the designated representative submits an Acid Rain part application under paragraph (2); or (ii) the date on which the designated representative is required under paragraph (2) to submit an Acid Rain part application. For the purpose of applying monitoring requirements under 40 CFR part 75, a unit that loses its exemption under Rule 62-214.340(2), F.A.C., shall be treated as a new unit that commenced commercial operation on the first date on which the unit resumes operation.

STEP 4

Read the appropriate certification and sign and date.

Certification (for designated representatives only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|---|--------------|
| Name J. Michael Kennedy | |
| Signature  | Date 6/11/07 |

Plant Name (from Step 1)
Higgins

STEP 4, cont'd.
Read the appropriate
certification and sign
and date.

Certification (for certifying officials only)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|-----------|------|
| Name | |
| Signature | Date |

Certification (for additional certifying officials, if applicable)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
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| | |
|-----------|------|
| Name | |
| Signature | Date |

Acid Rain Program

Instructions for Retired Unit Exemption

Form (Rule 62-214.340(2), F.A.C., and 40 CFR 72.8)

The Acid Rain regulations provide that an Acid Rain unit that is permanently retired is exempted from the requirements to obtain a Phase II acid rain part, monitor emissions, and hold allowances, except for requirements concerning reduced utilization in Phase I (1995-1999). The designated representative or certifying official(s) of such a unit must submit the Retired Unit Exemption form. The provisions governing the retired unit exemption are found at Rule 62-214.340(2), F.A.C.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 Use the plant name and ORIS code listed on the Certificate of Representation (if any) for the Acid Rain source. An ORIS code is a 4 digit number assigned by the Energy Information Agency (EIA) at the U.S. Department of Energy to power plants owned by utilities. If the plant is not owned by a utility but has a 5 digit facility code (also assigned by EIA), use the facility code. If there is uncertainty regarding what the code number is, contact EIA at (202) 426-1234 (for ORIS codes), or (202) 426-1269 (for facility codes).

Identify the Acid Rain unit by providing the appropriate unit identification number. The identification number entered for the unit should be consistent with the Certificate of Representation (if any) for the Acid Rain source, with the unit identification numbers listed in NADB (for units that commenced operation prior to 1993), and with the unit identification number used in reporting to DOE and/or EIA. NADB is the National Allowance Data Base for the Acid Rain Program, and can be downloaded from the Acid Rain Program Website at www.epa.gov/acidrain/ or obtained on diskette by calling the Acid Rain Hotline at (202) 564-9620. This data file is in dBase format for use on an IBM-compatible PC and requires 2 megabytes of hard drive memory.

STEP 2 Enter the first full calendar year in which the unit is permanently retired. The exemption becomes effective January 1 of that year, but the unit may lose the exemption as provided in 40 CFR 72.8(d)(6).

STEP 4 For a unit for which a designated representative has been authorized, the designated representative or alternate designated representative must read, sign, and date the certification at STEP 4 labeled "for designated representatives only" and submit this form.

If no designated representative has been authorized, a certifying official for each owner of the unit must read, sign, and date the certification at STEP 4 labeled "for certifying officials only" and submit this form. A certifying official is not required to submit a Certificate of Representation. If there is more than one owner of a unit for which no designated representative has been authorized, each owner of the unit must have a certifying official sign the appropriate certification at STEP 4.

Submission Deadlines

The form must be submitted by December 31 of the first year in which the unit is to be exempt.

Submission Instructions

Submit this form and 1 copy to the appropriate title V air permitting authority and a copy to:

U.S. Environmental Protection Agency
Acid Rain Program (6204J)
Attn: Retired Unit Exemption
401 M St., SW
Washington, DC 20460.

If you have questions regarding this form, contact your local, State, or EPA Regional acid rain contact, or call EPA's Acid Rain Hotline at (202) 564-9620.

Retired Unit Exemption

For more information, see instructions and refer to Rule 62-214.340(2), F.A.C., and 40 CFR 72.8

This submission is:

New

Revised

Page 1

STEP 1

Identify the unit by plant name, State, ORIS code and unit ID#.

| | | | |
|------------|---------|-----------|----------|
| Higgins | Florida | 0630 | 3 |
| Plant Name | State | ORIS Code | Unit ID# |

STEP 2

Identify the first full calendar year in which the unit meets (or will meet) the requirements of Rule 62-214.340(2)(a), F.A.C.

January 1, 2007.

STEP 3

Read the special provisions.

Special Provisions

(1) A unit exempt under Rule 62-214.340(2), F.A.C., shall not emit any sulfur dioxide and nitrogen oxides starting on the date that the exemption takes effect. The owners and operators of the unit will be allocated allowances in accordance with 40 CFR part 73 subpart B. If the unit is a Phase I unit, for each calendar year in Phase I, the designated representative of the unit shall submit a Phase I permit application in accordance with 40 CFR part 72 subparts C and D and an annual certification report in accordance with 40 CFR 72.90 through 72.92 and is subject to 40 CFR 72.95 and 72.96.

(2) A unit exempt under Rule 62-214.340(2), F.A.C., shall not resume operation unless the designated representative of the source that includes the unit submits a complete Acid Rain part application under Rule 62-214.320, F.A.C., for the unit not less than 24 months prior to the date on which the unit is first to resume operation.

(3) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under Rule 62-214.340(2), F.A.C., shall comply with the requirements of Chapter 62-214, F.A.C., and the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(4) For any period for which a unit is exempt under Rule 62-214.340(2), F.A.C., the unit is not an Acid Rain unit and is not eligible to be an opt-in source under 40 CFR part 74. As a non-Acid Rain Unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR part 70.

(5) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-214.340(2), F.A.C., shall retain at the source that includes the unit records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the EPA or the Department. The owners and operators bear the burden of proof that the unit is permanently retired.

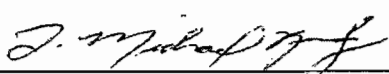
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STEP 4

Read the appropriate certification and sign and date.

Certification (for designated representatives only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

| | |
|---|---------------------|
| Name J. Michael Kennedy | |
| Signature  | Date 6/11/07 |

Plant Name (from Step 1)
Higgins

STEP 4, cont'd.
Read the appropriate
certification and sign
and date.

Certification (for certifying officials only)

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| | |
|-----------|------|
| Name | |
| Signature | Date |

Certification (for additional certifying officials, if applicable)

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| | |
|-----------|------|
| Name | |
| Signature | Date |

Acid Rain Program

Instructions for Retired Unit Exemption

Form (Rule 62-214.340(2), F.A.C., and 40 CFR 72.8)

The Acid Rain regulations provide that an Acid Rain unit that is permanently retired is exempted from the requirements to obtain a Phase II acid rain part, monitor emissions, and hold allowances, except for requirements concerning reduced utilization in Phase I (1995-1999). The designated representative or certifying official(s) of such a unit must submit the Retired Unit Exemption form. The provisions governing the retired unit exemption are found at Rule 62-214.340(2), F.A.C.

Please type or print. If assistance is needed, contact the title V permitting authority.

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Identify the Acid Rain unit by providing the appropriate unit identification number. The identification number entered for the unit should be consistent with the Certificate of Representation (if any) for the Acid Rain source, with the unit identification numbers listed in NADB (for units that commenced operation prior to 1993), and with the unit identification number used in reporting to DOE and/or EIA. NADB is the National Allowance Data Base for the Acid Rain Program, and can be downloaded from the Acid Rain Program Website at "www.epa.gov/acidrain/" or obtained on diskette by calling the Acid Rain Hotline at (202) 564-9620. This data file is in dBase format for use on an IBM-compatible PC and requires 2 megabytes of hard drive memory.

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Submission Deadlines

The form must be submitted by December 31 of the first year in which the unit is to be exempt.

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U.S. Environmental Protection Agency
Acid Rain Program (6204J)
Attn: Retired Unit Exemption
401 M St., SW
Washington, DC 20460.

If you have questions regarding this form, contact your local, State, or EPA Regional acid rain contact, or call EPA's Acid Rain Hotline at (202) 564-9620.

Certificate of Representation Report

05/30/2007

Facility Information

Facility ID (ORISPL): 630

Facility Name: Higgins

State: FL

County: Pinellas

EPA AIRS ID:

Latitude: 28.0002 **Longitude:** -82.3946

Facility Detail (Mini Detail)

Representative Information

Name: J Michael Kennedy

Company: Progress Energy Corporation

Title: Principal Environmental Specialist

Address: P O Box 14042

MAC - CX1B

City: St. Petersburg **State:** FL **Zip:** 33733

Phone: (727) 820-5567 **Fax:** (727) 820-5229

Email: j-michael.kennedy@pgnmail.com

People Detail Layout (Multiple)

Current Representatives

| Program | Primary Representative, Effective Date | Alternate, Effective Date | Primary Representative, End Date | Alternate, End Date |
|---------|--|---------------------------|----------------------------------|-------------------------------|
| ARP | J Michael Kennedy, 10/27/2000 | None | | Brenda Brickhouse, 05/30/2007 |
| CAIRNOX | J Michael Kennedy, 05/30/2007 | None | | |
| CAIROS | J Michael Kennedy, 05/30/2007 | None | | |
| CAIRSO2 | J Michael Kennedy, 05/30/2007 | None | | |

Basic Table Layout

Units

| Unit ID | Program | Unit Classification | Operating Status | Unit Type | Source Category | NAICS Code | Commence Operation Date | Commence Operation Date Code | Comm. Commercial Operation Date | Comm. Commercial Operation Date Code |
|---------|---------|---------------------|------------------|-----------|-----------------|-------------|-------------------------|------------------------------|---------------------------------|--------------------------------------|
| 1 | ARP | Phase 2 | Shutdown | | | | | | 05/01/1951 | A |
| 2 | ARP | Phase 2 | Shutdown | | | | | | 05/01/1953 | A |
| 3 | ARP | Phase 2 | Shutdown | | | | | | 12/01/1953 | A |
| P1 | CAIRNOX | Affected | Operating | CT | Electric | Fossil fuel | 03/15/1969 | A | 03/15/1969 | A |

| | | | | | Utility | electric power generation | | | | |
|----|---------|----------|-----------|----|------------------|---------------------------------------|------------|---|------------|---|
| P1 | CAIROS | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 03/15/1969 | A | 03/15/1969 | A |
| P1 | CAIRSO2 | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 03/15/1969 | A | 03/15/1969 | A |
| P2 | CAIRNOX | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 04/12/1969 | A | 04/12/1969 | A |
| P2 | CAIROS | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 04/12/1969 | A | 04/12/1969 | A |
| P2 | CAIRSO2 | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 04/12/1969 | A | 04/12/1969 | A |
| P3 | CAIRNOX | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 12/01/1970 | A | 12/01/1970 | A |
| P3 | CAIROS | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 12/01/1970 | A | 12/01/1970 | A |
| P3 | CAIRSO2 | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 12/01/1970 | A | 12/01/1970 | A |
| P4 | CAIRNOX | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 01/09/1971 | A | 01/09/1971 | A |
| P4 | CAIROS | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 01/09/1971 | A | 01/09/1971 | A |
| P4 | CAIRSO2 | Affected | Operating | CT | Electric Utility | Fossil fuel electric power generation | 01/09/1971 | A | 01/09/1971 | A |

Basic Table Layout

Generator Information

| Generator ID | Unit ID | ARP Nameplate Capacity | CAIR Nameplate Capacity | Effective Date |
|--------------|---------|------------------------|-------------------------|----------------|
| P1 | P1 | | 37.0 | 05/01/2007 |
| P2 | P2 | | 37.0 | 05/01/2007 |
| P3 | P3 | | 43.0 | 05/01/2007 |
| P4 | P4 | | 43.0 | 05/01/2007 |

Basic Table Layout

Current Owners and Operators

| Unit ID | Owner/Operator Company Name | Type | Effective Date | End Date |
|---------|-----------------------------|----------------|----------------|----------|
| 1 | Florida Power Corporation | Owner/Operator | 03/07/2003 | |
| 2 | Florida Power Corporation | Owner/Operator | 03/07/2003 | |
| 3 | Florida Power Corporation | Owner/Operator | 03/07/2003 | |
| P1 | Progress Energy Corporation | Owner/Operator | 05/01/2007 | |
| P2 | Progress Energy Corporation | Owner/Operator | 05/01/2007 | |
| P3 | Progress Energy Corporation | Owner/Operator | 05/01/2007 | |
| P4 | Progress Energy Corporation | Owner/Operator | 05/01/2007 | |

Basic Table Layout

Appendix CP-1, Compliance Plan

Florida Power Corporation
d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

Compliance Plan

A compliance plan is required because the combustion turbine peaking units CTP 2 and CTP 4 have not been able to complete the visible emissions tests while burning fuel oil as required by specific condition **B.15.** due to an operational problem as described by the applicant in the renewal application and the subsequent response to request for additional information. Specific condition **B.15.(a)8.** requires a VE test once every 5 years for any combustion turbine that operates less than 400 hours per year. CTP 2 and CTP 4 have operated on fuel oil for less than 5 hours since 2002.

The emissions units have separate fuel systems for gas and liquid fuels. The applicant stated there are no similar problems when operating on natural gas. The applicant indicated the combustion instability causes the units to trip offline.

The purpose of this compliance plan is to provide the permittee time to correct the root problem associated with the burning of fuel oil.

[Rule 62-213.440(2), F.A.C.]

1. By April 30, 2008, the permittee shall submit a progress report to the compliance authority regarding fixing the root problem associated with the burning of fuel oil. The report shall include specific steps already taken by the permittee and further action(s) necessary to repair the operational problem. The progress report shall be certified by the responsible official.
[Rule 62-213.420(4), F.A.C.]
2. By May 31, 2008, the permittee shall fix the combustion instability which is causing the units to trip offline.
3. The visible emissions (VE) tests shall be performed within forty-five (45) days of fixing the problem which is expected to be completed by May 31, 2008. {Repair of the problem is scheduled to occur during the planned May 2008 outage.}
4. The permittee shall comply with the test notification, applicable test procedures and reporting requirements as stated in the permit.
5. Operation on fuel oil by these emissions units is not authorized until the necessary repairs are made and compliance has been successfully demonstrated.

Table 1-1, Air Pollutant Emission Allowables and Terms

Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit ID No.: 1030012-005-AV

Facility ID No.: 1030012

E.U. ID Nos. Brief Description

| -004 & -005 | | Combustion Turbine Peaking Units - CTP 1 & CTP 2 | | | | | | | |
|-------------------|--------------------------|--|---|---------|-----|------------------------|--------------|---------------------------------|-------------------------|
| | | | Allowable Emissions | | | Equivalent Emissions * | | | |
| Pollutant Name | Fuel(s) | Hours/Year | Standards | lb/hour | TPY | lb/hour | TPY | Regulatory Citation(s) | See Permit Condition(s) |
| Visible Emissions | New No. 2 F.O. | 8760 | < 20% Opacity | | | | | Rule 62-296.320(4)(b)1., F.A.C. | B.5 |
| Sulfur Dioxide | New No. 2 F.O. N.G | 8760 | max. 0.5% S by wt. or 1 gr/100 dscf | | | 286.3 ** | 1253.9 ** | Rule 62-213.440, F.A.C. | B.6 |

| -006 & -007 | | Combustion Turbine Peaking Units - CTP 3 & CTP 4 | | | | | | | |
|-------------------|---------------------------|--|---|---------|-----|----------------------|---------------|---------------------------------|-------------------------|
| | | | Allowable Emissions | | | Equivalent Emissions | | | |
| Pollutant Name | Fuel(s) * | Hours/Year * | Standards | lb/hour | TPY | lb/hour | TPY | Regulatory Citation(s) | See Permit Condition(s) |
| Visible Emissions | New No. 2 F.O. | 8760 | < 20% Opacity | | | | | Rule 62-296.320(4)(b)1., F.A.C. | B.5 |
| Sulfur Dioxide | New No. 2 F.O. N.G. | 8760 | max. 0.5% S by wt. or 1 gr/100 dscf | | | 319.1 *** | 1397.5 *** | Rule 62-213.440, F.A.C. | B.6 |

* The "Equivalent Emissions" listed are for informational purposes only.

** Based on a maximum F.O. consumption of 96.0 bbl/hr, 7.1 lb/gal, operating 8760 hr/yr., and maximum F.O. sulfur content of 0.50 %, by wt.

*** Based on a maximum F.O. consumption of 107.0 bbl/hr, 7.1 lb/gal, operating 8760 hr/yr., and maximum F.O. sulfur content of 0.50 %, by wt.

This table summarizes information for convenience purposes only and does not supersede any of the terms or conditions of this permit.

Table 1-1, Air Pollutant Emission Allowables and Terms

Progress Energy Florida
Higgins Power Plant

DRAFT/PROPOSED Permit ID No.: 1030012-005-AV
Facility ID No.: 1030012

| E.U. ID Nos. | | Brief Description | | | | | | | |
|---------------------|--------------|--------------------------|---------------------|-------------|-----|----------------------|-----------|---------------------------------|----------------------------|
| 7775047-001 | | Relocatable Generator(s) | | | | | | | |
| | | | Allowable Emissions | | | Equivalent Emissions | | | |
| Pollutant Name | Fuel(s) * | Hours/ Year * | Standards | lb/ hour | TPY | lb/hour ** | TPY ** | Regulatory Citation(s) | See Permit Condition(s) |
| Visible Emissions | #2 F.O. | 8760 | 20% Opacity | | | | | Rule 62-296.320(4)(b)1., F.A.C. | C.6 |
| Sulfur Dioxide | #2 F.O. | 8760 | 0.50% by wt. | | | | | Rule 62-296.320(4)(b)1., F.A.C. | C.7 |

** The "Equivalent Emissions" listed are for informational purposes only.

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Note: The above unit(s), which are permitted to be located at seven Florida Power Corporation facilities.

Table 2-1, Compliance Testing Requirements

Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit ID No.: 1030012-005-AV
Facility ID No.: 1030012

| E.U. ID | | | | | | | |
|-----------------------------|---------|----------------------|---------------------------|----------------------------------|---------------------------|-----|---------------------|
| Pollutant Name or parameter | Fuel(s) | EPA/Reference Method | Testing Time or Frequency | Frequency Base Date ² | Min. Compliance Test Time | CMS | Permit Condition(s) |

| E.U. CTP 1, 2, 3, & 4 | | | | | | | |
|----------------------------------|-----|----------------------------|---------------------------|--|------------|--|-------------------|
| SO ₂ | Oil | F.O. Analysis ¹ | Per Delivery ¹ | | NA | | B.12 |
| VE | Oil | EPA Method 9 | Annual | | 30 minutes | | B. 11,14,15, & 16 |

1- Sulfur content of the fuel oil shall be provided by the supplier or permittee for every delivery.

Relocatable Diesel Generator(s)

| E.U. 7775047-001 | | | | | | | |
|------------------------------------|-----|----------------------------|---------------------------|--|--------|--|--------------------|
| SO ₂ | Oil | F.O. Analysis ¹ | Per Delivery ¹ | | NA | | C.12 |
| VE | Oil | EPA Meth. 9 | Annual | | 1 Hour | | C.13, 15, 17, & 18 |

Note: The above unit(s) are permitted to be located at seven Florida Power Corporation facilities.

Appendix H-1, Permit History/ID Number Changes

Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

| E.U. ID No. | Description | Permit No. | Effective Date | Expiration Date | Project Type ¹ |
|-------------|-------------|-----------------------------|------------------------------------|-------------------------|---------------------------|
| All | Facility | 1030012-001-AV | 01/01/1998 | 12/31/2002 | Title V Initial Permit |
| All | Facility | 1030012-002-AV | 01/01/2003 | 12/31/2007 | Title V Renewal |
| | | 1030012-003-AC | | | Number not used in ARMS |
| All | Facility | 1030012-004-AV ² | 08/04/05 | 12/31/2007 ⁴ | Title V Revision |
| All | Facility | 1030012-005-AV | 01/01/2008 pending ³ | 12/31/2012 pending | Title V Renewal |
| | | | | | |

¹ Project Type (select one): Title V: Initial, Revision, Renewal, or Admin. Correction; Construction (new or mod.); or, Extension (AC only).

² The most recently posted Title V permit on the web site.

³ Future effective date for acid rain purposes.

⁴ Extension(s) of existing permit(s). Rule 62-213.420(1)(b)2., F.A.C. requires applicants having made a timely application for permit renewal to continue to operate the source under the authority and provisions of any existing valid permit or Florida Electrical Power Plant Siting Certification, and in accordance with applicable requirements of the Acid Rain Program, until the conclusion of proceedings associated with its permit application or until the new permit becomes effective, whichever is later.

Subsequent Permits Issued & Projects:

Compilation of permits and projects issued after the most recently posted Title V permit on the web site.

Air Permit Documents Search page of world wide web site (<http://www.dep.state.fl.us/air/eproducts/apds/default.asp>) accessed on 08/31/2007.

ARMS - Permitting Application – Projects, accessed on 08/31/2007.

| <u>E.U. ID No(s). & Section(s) of permit¹ affected</u> | <u>Project Description</u> | <u>Permit No.</u> | <u>Effective Date</u> | <u>Expiration Date</u> |
|---|----------------------------|-------------------|-----------------------|------------------------|
| | None | None | | |

Appendix H-1, Permit History/ID Number Changes

Florida Power Corporation d.b.a. Progress Energy Florida, Inc.
Higgins Power Plant

DRAFT/PROPOSED Permit No.: 1030012-005-AV
Facility ID No.: 1030012

Inactivated Emissions Units

Per the applicant's request received on June 21, 2007, these emissions units have been eliminated from the body of the Title V permit and will be inactivated in ARMS.

Section III. Subsection A.

| E.U. ID No. | Brief Description |
|-------------|--|
| -001 - 003 | 3 - Fossil Fuel Fired Steam Generators (Pre-NSPS) - SG 1, SG 2, & SG 3 |

Reason: The three (3) Fossil Fuel Fired Steam Generators (SGs) (Pre-NSPS) - SG 1, SG 2, & SG 3, Emissions Unit ID Numbers -001, -002 and -003, were torn down and therefore permanently shutdown on October 20, 2006. The SGs had been on long-term reserve shutdown.

Unregulated Emissions Units and/or Activities

| | |
|------|-------------------------|
| -009 | General Purpose Engines |
| -011 | Emergency Generator |

Reason: Removed from site.

Friday, Barbara

To: David.Fernandes@pgnmail.com; Gustave.Schaefer@pgnmail.com; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phessling@pinellascounty.org; Forney.Kathleen@epamail.epa.gov

Cc: Sheplak, Scott

Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Attachments: Appendix CP-1 Compliance Plan.pdf; 1030012-005-AV Appendix AR- 1.pdf; 1030012-005-AV Appendix H-1.pdf; 1030012-005-AV Appendix I-1.pdf; 1030012-005-AV Appendix U-1.pdf; 1030012-005-AV Permit.pdf; 1030012-005-AV statement of basis.pdf; 1030012-005-AV Table 1-1.pdf; 1030012-005-AV Table 2-1.pdf; 1030012-005-AVcover,intent&publicnotice.pdf

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

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. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

10/9/2007

Friday, Barbara

From: Fernandes, David [David.Fernandes@pgnmail.com]
To: Friday, Barbara
Sent: Tuesday, October 09, 2007 3:42 PM
Subject: Read: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: David.Fernandes@pgnmail.com
Subject:

was read on 10/9/2007 3:42 PM.

Friday, Barbara

From: Fernandes, David [David.Fernandes@pgnmail.com]
Sent: Tuesday, October 09, 2007 3:42 PM
To: Friday, Barbara
Subject: RE: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

-----Original Message-----

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, October 09, 2007 2:24 PM
To: Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phessling@pinellascounty.org; Forney.Kathleen@epamail.epa.gov
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

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Thank you,

DEP, Bureau of Air Regulation

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link](#) to the DEP Customer Survey. Thank you in advance for completing the survey.

Friday, Barbara

From: Kennedy, J-Michael [J-Michael.Kennedy@pgnmail.com]
Sent: Tuesday, October 09, 2007 7:14 PM
To: Friday, Barbara
Subject: RE: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Received. Thank you.

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tue 10/9/2007 2:23 PM
To: Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phessling@pinellascounty.org; Forney.Kathleen@epamail.epa.gov
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

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Friday, Barbara

From: Quillian, Ann [Ann.Quillian@pgnmail.com]
To: Friday, Barbara
Sent: Tuesday, October 09, 2007 5:11 PM
Subject: Read: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: Ann.Quillian@pgnmail.com
Subject:

was read on 10/9/2007 5:11 PM.

Friday, Barbara

From: Quillian, Ann [Ann.Quillian@pgnmail.com]
Sent: Wednesday, October 10, 2007 11:36 AM
To: Friday, Barbara; Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael
Cc: Sheplak, Scott
Subject: RE: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your email with ten (10) attachments was received.

*Ann Quillian, PE
EH&S Services (PEF-903)
Progress Energy Florida, Inc.
PO Box 14042
Saint Petersburg, FL 33733*

-----Original Message-----

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, October 09, 2007 2:24 PM
To: Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phessling@pinellascounty.org; Forney.Kathleen@epamail.epa.gov
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

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Thank you,

DEP, Bureau of Air Regulation

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10/10/2007

Friday, Barbara

From: System Administrator
To: Zhang-Torres
Sent: Tuesday, October 09, 2007 2:24 PM
Subject: Delivered: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: 'David.Fernandes@pgnmail.com'; 'Gustave.Schaefer@pgnmail.com'; 'Kennedy, J-Michael'; 'Quillian, Ann'; Zhang-Torres; 'phessling@pinellascounty.org'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 10/9/2007 2:24 PM

was delivered to the following recipient(s):

Zhang-Torres on 10/9/2007 2:24 PM

Friday, Barbara

From: Zhang-Torres
To: Friday, Barbara
Sent: Wednesday, October 10, 2007 8:44 AM
Subject: Read: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: 'David.Fernandes@pgnmail.com'; 'Gustave.Schaefer@pgnmail.com'; 'Kennedy, J-Michael'; 'Quillian, Ann'; Zhang-Torres; 'phessling@pinellascounty.org'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 10/9/2007 2:24 PM

was read on 10/10/2007 8:44 AM.

Friday, Barbara

From: System Administrator
To: phessling@pinellascounty.org
Sent: Tuesday, October 09, 2007 2:24 PM
Subject: Undeliverable:DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

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

Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 10/9/2007 2:24 PM

The following recipient(s) could not be reached:

phessling@pinellascounty.org on 10/9/2007 2:24 PM

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 <phessling@pinellascounty.org> is not a valid mailbox>

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mseive02.rtp.epa.gov]
Sent: Tuesday, October 09, 2007 2:24 PM
To: Friday, Barbara
Subject: Successful Mail Delivery Report

Attachments: Delivery report; Message Headers



Delivery report.txt
(490 B)



Message
Headers.txt (2 KB)

This is the mail system at host mseive02.rtp.epa.gov.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<Forney.Kathleen@epamail.epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250
OK, sent 470BC737_6181_58520_20

Friday, Barbara

From: Forney.Kathleen@epamail.epa.gov
Sent: Tuesday, October 16, 2007 11:12 AM
To: Friday, Barbara
Subject: Re: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

got it... thanks

Katy R. Forney
Air Permits Section
EPA - Region 4
61 Forsyth St., SW
Atlanta, GA 30024

Phone: 404-562-9130
Fax: 404-562-9019

"Friday,
Barbara"
<Barbara.Friday@
dep.state.fl.us>

10/09/2007 02:23
PM

To
<David.Fernandes@pgnmail.com>,
<Gustave.Schaefer@pgnmail.com>,
"Kennedy, J-Michael"
<J-Michael.Kennedy@pgnmail.com>,
"Quillian, Ann"
<Ann.Quillian@pgnmail.com>,
"Zhang-Torres"
<Cindy.Zhang-Torres@dep.state.fl.
us>,
<phessling@pinellascounty.org>,
Kathleen Forney/R4/USEPA/US@EPA
cc
"Sheplak, Scott"
<Scott.Sheplak@dep.state.fl.us>
Subject
DRAFT/PROPOSED Title V Permit
Renewal No.: 1030012-005-AV -
Florida Power Corporation d.b.a.
Progress Energy Florida, Inc. -
Higgins Power Plant

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open

and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site:
<http://www.adobe.com/products/acrobat/readstep.html>.

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Thank you,
DEP, Bureau of Air Regulation

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Friday, Barbara

From: System Administrator
To: Sheplak, Scott
Sent: Tuesday, October 09, 2007 2:24 PM
Subject: Delivered:DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: 'David.Fernandes@pgnmail.com'; 'Gustave.Schaefer@pgnmail.com'; 'Kennedy, J-Michael'; 'Quillian, Ann'; Zhang-Torres; 'phessling@pinellascounty.org'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 10/9/2007 2:24 PM

was delivered to the following recipient(s):

Sheplak, Scott on 10/9/2007 2:24 PM

Friday, Barbara

From: Sheplak, Scott
To: Friday, Barbara
Sent: Tuesday, October 09, 2007 2:24 PM
Subject: Read: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: 'David.Fernandes@pgnmail.com'; 'Gustave.Schaefer@pgnmail.com'; 'Kennedy, J-Michael'; 'Quillian, Ann'; Zhang-Torres; 'phessling@pinellascounty.org'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: DRAFT/PROPOSED Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 10/9/2007 2:24 PM

was read on 10/9/2007 2:24 PM.

St. Petersburg Times

Published Daily

St. Petersburg, Pinellas County, Florida

STATE OF FLORIDA
COUNTY OF Pinellas

} S.S.

Before the undersigned authority personally appeared **B. Harr** who on oath says that he/she is **Legal Clerk** of the **St. Petersburg Times** a daily newspaper published at St. Petersburg, in Pinellas County, Florida; that the attached copy of advertisement, being a **Legal Notice** in the matter **RE: NOTICE OF INTENT TO ISSUE PERMIT - PEF-903** was published in said newspaper in the issues of **North Pinellas Times**, **10/16/2007**.

Affiant further says the said **St. Petersburg Times** is a newspaper published at St. Petersburg, in said Pinellas County, Florida and that the said newspaper has heretofore been continuously published in said Pinellas County, Florida, each day and has been entered as second class mail matter at the post office in St. Petersburg, in said Pinellas County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

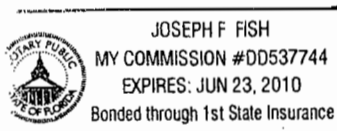
Signature of Affiant

Sworn to and subscribed before me
this **16th** day of **October** A.D.2007

Signature of Notary Public

Personally known or produced identification

Type of identification produced _____



RECEIVED

OCT 23 2007

BUREAU OF AIR REGULATION

LEGAL NOTICE

LEGAL NOTICE

PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT

Department of Environmental Protection
DRAFT/PROPOSED Title V Air Operation Permit No. 1030012-005-AV
Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Pinellas County

Applicant: The applicant for this project is Florida Power Corporation d.b.a. Progress Energy Florida, Inc., 299 First Avenue North, MAC PEF-903, St. Petersburg, Florida 33701. The applicant's responsible official is Mr. David Fernandes, Plant Manager.

Facility Location: The applicant operates the Higgins Power Plant, which is located at 998 East Shore Drive, Oldsmar, Pinellas County, Florida.

Project: The applicant submitted an application for a Title V Air Operation Permit Renewal.

The facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS sources. Each CT exhausts through a separate stack. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts may be relocated to this and six other Progress Energy facilities in Florida.

Permitting Authority: Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213, and 62-214 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to operate the facility. The Department of Environmental Protection, Bureau of Air Regulation, is the Permitting Authority responsible for making a permit determination regarding this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301. The Permitting Authority's mailing address is: 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114 and facsimile number is 850/921-9533.

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/PROPOSED Permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the DRAFT/PROPOSED Permit by visiting the following web site: <http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

Notice of Intent to Issue A Permit: The Permitting Authority gives notice of its intent to issue a permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a FINAL Permit in accordance with the conditions of the DRAFT/PROPOSED Permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the DRAFT/PROPOSED Permit for a period of thirty (30) days from the date of publication of this Public Notice. Written comments must be post-marked and all e-mail or facsimile comments must be received by the close of business (5 pm) on or before the end of this 30-day period by the Permitting Authority at the above address, email or facsimile. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the official web site for notices at Florida Administrative Weekly (FAW) at <http://faw.dos.state.fl.us/> and in a newspaper of general circulation in the area affected by the permitting action. Subsequent action on the Title V and Title IV parts of the Permit Renewal may be split if comments are received on the Title V portion of the DRAFT/PROPOSED Permit. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT/PROPOSED Permit, the Permitting Authority shall issue a Revised DRAFT 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 fourteen (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 fourteen (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 how and when the petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to 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. 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.

EPA Review & Objections: EPA has agreed to treat the DRAFT Title V Permit as a PROPOSED Title V Permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The FINAL Title V Air Operation Permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions.

The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following web site address <http://epa.gov/region4/air/permits/Florida.htm>.

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