




Florida Department of
Environmental Protection

Memorandum

TO: Joseph Kahn

THRU: Trina L. Vielhauer 
A. A. Linero, P.E. 

FROM: Scott M. Sheplak, P.E. 

DATE: December 3, 2007

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

FINAL Permit Package
Title V Air Operation Permit Renewal
FINAL Permit No.: 1030012-005-AV

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 STATEMENT OF BASIS contains a brief overview of the changes made in this permit compared to the most recently posted Title V permit on the web site. This permit was processed using a parallel review.

We recommend your approval and signature.

Attachments

TLV/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

NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit Renewal by:

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

Title V Permit Renewal No. 1030012-005-AV
Higgins Power Plant
Pinellas County

Enclosed is FINAL Title V Permit Renewal Number 1030012-005-AV for the operation of the Higgins Power Plant, located at 998 East Shore Drive, Oldsmar, Pinellas County, issued pursuant to Chapter 403, Florida Statutes (F.S.).

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

Executed in Tallahassee, Florida.

Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/aal/sms

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by e-mail with return receipt requested before the close of business on 12/11/07 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
- 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 §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) _____ (Date) 12/11/07

FINAL PERMIT DETERMINATION

I. Public Notice.

A "Written Notice of Intent to Issue Title V Air Operation Permit" to Florida Power Corporation d.b.a. Progress Energy Florida, Inc. for the Higgins Power Plant, located at 998 East Shore Drive, Oldsmar, Pinellas County, was clerked and posted on the Department's web site on October 9, 2007. This permit was processed using a parallel review. The DRAFT/PROPOSED Permit was available for public inspection at the Pinellas County Local Air Program Office in Clearwater, the Department's Southwest District Office in Tampa and the permitting authority's office in Tallahassee. The "Public Notice of Intent to Issue Title V Air Operation Permit" was published in the St. Petersburg Times on October 16. Proof of publication of the "Public Notice of Intent to Issue Title V Air Operation Permit" was received on October 22.

II. Public Comment(s).

No comments were received from the public concerning the DRAFT/PROPOSED Title V Permit Renewal.

III. U.S. EPA Review.

On October 9, the Department informed U.S. EPA Region 4 that this permit was being processed using a parallel review. U.S. EPA was notified of the publication date of the Public Notice on October 22. The U.S. EPA review period ended on November 30 (Day 45). No comments were received from U.S. EPA Region 4 on the DRAFT/PROPOSED Title V Permit Renewal.

IV. Conclusion.

The permitting authority hereby issues the FINAL Title V Permit Renewal.

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
FINAL 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 (HAP).

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

FINAL 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:

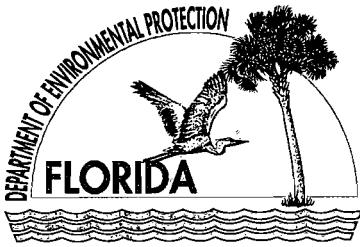
Pinellas County Department of Environmental Management
Air Quality Division
300 South Garden Avenue
Clearwater, Florida 33756-5424
Telephone: 727/464-4422
Fax: 727/464-4420

Title V Air Operation Permit Renewal

FINAL 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

FINAL 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 (HAP).

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
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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

FINAL 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 October 9, 2007.

Public Notice published on October 16, 2007.

Notification to U.S. EPA Region 4 of Publication of Public Notice dated October 22, 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 No. 62-210.900(1)(a)3 - Form) 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 - Form, 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 - Form, 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.]

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

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

FINAL 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>No.</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

FINAL 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

FINAL 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 No. 62-210.900(1)(a)3 - Form, 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.

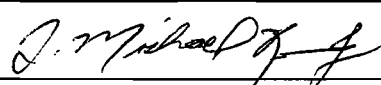
(6) On the earlier of the following dates, a unit exempt under Rule 62-214.340(2), F.A.C., shall lose its exemption and become an Acid Rain Unit: (i) the date on which the designated representative submits an Acid Rain part application under paragraph (2); or (ii) the date on which the designated representative 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)

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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 permit, 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.

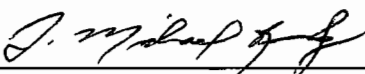
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STEP 4

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

STEP 4, cont'd.
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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)

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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).

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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.

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

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.

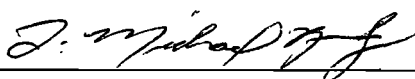
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STEP 4
Read the appropriate certification and sign and date.

Certification (for designated representatives only)

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

Plant Name (from Step 1)
Higgins

STEP 4, cont'd.
Read the appropriate
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Submission Deadlines

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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 C
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

FINAL 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

FINAL 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

FINAL 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

FINAL 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

FINAL 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 ³	12/31/2012	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

FINAL 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; phesslin@co.pinellas.fl.us; Forney.Kathleen@epamail.epa.gov

Cc: Sheplak, Scott

Subject: FINAL 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, FINAL Compliance Plan.pdf; 1030012-005-AV FINAL Appendix AR-.1.pdf; 1030012-005-AV FINAL Appendix H-1.pdf; 1030012-005-AV FINAL Appendix I-1.pdf; 1030012-005-AV FINAL Appendix U-1.pdf; 1030012-005-AV FINAL Permit.pdf; 1030012-005-AV FINAL statement of basis.pdf; 1030012-005-AV FINAL Table 1-1.pdf; 1030012-005-AV FINAL Table 2-1.pdf; 1030012-005-AVFINAL Notice & FD.pdf; 1030012-005-AVFINALPermitSignaturePage.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).

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12/11/2007

Friday, Barbara

From: Fernandes, David [David.Fernandes@pgnmail.com]
To: Friday, Barbara
Sent: Tuesday, December 11, 2007 10:44 AM
Subject: Read: FINAL 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 12/11/2007 10:44 AM.

Friday, Barbara

From: Fernandes, David [David.Fernandes@pgnmail.com]
Sent: Wednesday, December 12, 2007 2:50 PM
To: Friday, Barbara
Subject: RE: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Barbara,

the email and attachments have been received.

Thank you,

David Fernandes

*Progress Energy - CT Operations
Plant Manager - SunCoast CTs
Bartow, Bayboro, Higgins & Suwannee
(727) 827-6235 - Office
(727) 827-6237 - Fax
(727) 409-3367 - Cell*

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

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, December 11, 2007 10:39 AM
To: Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phesslin@co.pinellas.fl.us; Forney.Kathleen@epamail.epa.gov
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

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Friday, Barbara

From: Schaefer, Gustave [Gustave.Schaefer@pgnmail.com]
Sent: Tuesday, December 11, 2007 12:13 PM
To: Friday, Barbara
Subject: RE: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

E-mail received with 11 attachments.
Gus Schaefer

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

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, December 11, 2007 10:39 AM
To: Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phesslerin@co.pinellas.fl.us; Forney.Kathleen@epamail.epa.gov
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Dear Sir/Madam:

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Friday, Barbara

From: Kennedy, J-Michael [J-Michael.Kennedy@pgnmail.com]
To: Friday, Barbara
Sent: Tuesday, December 11, 2007 10:43 AM
Subject: Read: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation
d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your message

To: J-Michael.Kennedy@pgnmail.com
Subject:

was read on 12/11/2007 10:43 AM.

Friday, Barbara

From: Quillian, Ann [Ann.Quillian@pgnmail.com]
To: Friday, Barbara
Sent: Tuesday, December 11, 2007 10:44 AM
Subject: Read: FINAL 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 12/11/2007 10:44 AM.

Friday, Barbara

From: Quillian, Ann [Ann.Quillian@pgnmail.com]
Sent: Tuesday, December 11, 2007 10:51 AM
To: Friday, Barbara; Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael
Cc: Sheplak, Scott; Meyer, Dave
Subject: RE: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

Your e-mail was received with 11 attachments.

Ann Quillian, PE
Progress Energy Florida, Inc.
Ann.Quillian@pgnmail.com

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

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, December 11, 2007 10:39 AM
To: Fernandes, David; Schaefer, Gustave; Kennedy, J-Michael; Quillian, Ann; Zhang-Torres; phesslin@co.pinellas.fl.us; Forney.Kathleen@epamail.epa.gov
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant

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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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12/11/2007

Friday, Barbara

From: System Administrator
To: Zhang-Torres
Sent: Tuesday, December 11, 2007 10:39 AM
Subject: Delivered:FINAL 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; 'phesslin@co.pinellas.fl.us'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 12/11/2007 10:39 AM

was delivered to the following recipient(s):

Zhang-Torres on 12/11/2007 10:39 AM

Friday, Barbara

From: Zhang-Torres
To: Friday, Barbara
Sent: Tuesday, December 11, 2007 10:53 AM
Subject: Read: FINAL 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; 'phesslin@co.pinellas.fl.us'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 12/11/2007 10:39 AM

was read on 12/11/2007 10:53 AM.

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mseive01.rtp.epa.gov]
Sent: Tuesday, December 11, 2007 10:40 AM
To: Friday, Barbara
Subject: Successful Mail Delivery Report

Attachments: Delivery report; Message Headers



Delivery report.txt
(488 B)



Message
Headers.txt (2 KB)

This is the mail system at host mseive01.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 475EAF3A_18297_9634_7

Friday, Barbara

From: System Administrator
To: Sheplak, Scott
Sent: Tuesday, December 11, 2007 10:39 AM
Subject: Delivered:FINAL 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; 'phesslin@co.pinellas.fl.us'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 12/11/2007 10:39 AM

was delivered to the following recipient(s):

Sheplak, Scott on 12/11/2007 10:39 AM

Friday, Barbara

From: Sheplak, Scott
To: Friday, Barbara
Sent: Tuesday, December 11, 2007 11:54 AM
Subject: Read: FINAL 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; 'phesslin@co.pinellas.fl.us'; 'Forney.Kathleen@epamail.epa.gov'
Cc: Sheplak, Scott
Subject: FINAL Title V Permit Renewal No.: 1030012-005-AV - Florida Power Corporation d.b.a. Progress Energy Florida, Inc. - Higgins Power Plant
Sent: 12/11/2007 10:39 AM

was read on 12/11/2007 11:54 AM.