



 ORIGINAL

TITLE V AIR OPERATING PERMIT RENEWAL/REVISION APPLICATION

PEF – Avon Park Plant

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DIVISION OF AIR
RESOURCE MANAGEMENT

Report

Submitted To: Progress Energy Florida, Inc.

Submitted By: Golder Associates Inc.

Distribution: 4 copies – Florida Department of Environmental Protection
2 copies – PEF
1 copy – Golder Associates Inc.

May 2012

113-89575

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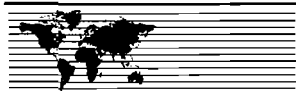


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PROJECT DESCRIPTION

ATTACHMENT A – Application for Air Permit – Long Form – FDEP Form No. 62-210.900(1)



PROJECT DESCRIPTION

Florida Power Corporation d/b/a Progress Energy Florida, Inc. (PEF) operates the existing Avon Park Power Plant at 1172 Memorial Drive, Avon Park, Highlands County, Florida, under Permit No. 0550003-006-AV. The facility consists of two gas turbine peaking units, designated No. 1 and No. 2. Both units have separate exhaust stacks, and are permitted to fire No. 2 fuel oil or natural gas. Each turbine is rated at 33.8 MW, at a maximum heat input of 562.6 MMBtu/hr. The units began commercial service in 1968.

The facility also includes a retired Acid Rain unit and miscellaneous unregulated/insignificant emission units and/or activities.

The currently operated emission units are regulated under Rule 62-210.300, F.A.C. and the CAIR program. However, these units are not subject to any federal requirements, NSPS – 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines, or the Federal Acid Rain Program.

This application is for the Title V Renewal and Revision of Title V Air Operation Permit No. 0550003-006-AV. Requested Changes to current Title V air operation permit have been provided as Attachment AV-FI-C7.

The Title V renewal application is due by July 5, 2012. Completed application forms (DEP Form No. 62-210.900(1)) and associated attachments are provided in Attachment A.



May 2012

Project No.11389575

ATTACHMENT A
APPLICATION FOR AIR PERMIT - LONG FORM
DEP Form No. 62-210.900(1)



Department of Environmental Protection

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Division of Air Resource Management

DIVISION OF AIR

APPLICATION FOR AIR PERMIT - LONG FORM

RESOURCE MANAGEMENT

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit:

- For any required purpose at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air operation permit;
- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment new source review, or maximum achievable control technology (MACT);
- To assume a restriction on the potential emissions of one or more pollutants to escape a requirement such as PSD review, nonattainment new source review, MACT, or Title V; or
- To establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial, revised, or renewal Title V air operation permit.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Florida Power Corporation d/b/a Progress Energy Florida, Inc.	
2. Site Name: Avon Park Plant	
3. Facility Identification Number: 0550003	
4. Facility Location... Street Address or Other Locator: 1172 Memorial Drive City: Avon Park County: Highlands Zip Code: 33825	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Gus Schaefer, Senior Environmental Specialist	
2. Application Contact Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: P.O. Box 14042 PEF 903 City: Saint Petersburg State: FL Zip Code: 33733	
3. Application Contact Telephone Numbers... Telephone: (727) 820 - 5351 ext. Fax: (727) 820 - 4611	
4. Application Contact E-mail Address: gustave.schaefer@pgnmail.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application: 5-21-2012	3. PSD Number (if applicable):
2. Project Number(s): 0550003-007AV	4. Siting Number (if applicable):

APPLICATION INFORMATION

Purpose of Application

This application for air permit is being submitted to obtain: (Check one)

Air Construction Permit

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

This application is for the Title V Renewal and Revision of Title V Air Operation Permit No. 0550003-006-AV. Requested Changes to current Title V air operation permit have been provided as Attachment AV-FI-C7. In addition, revisions have been made to the list of Insignificant Activities (Attachment AV-FI-C4), which have been provided in a track change format.

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Processing Fee
003	Gas Turbine Peaking Unit No. 1		NA
004	Gas Turbine Peaking Unit No. 2		NA

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement – N/A

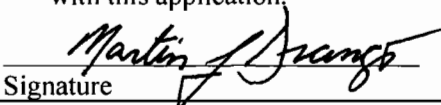
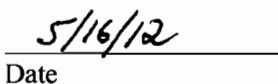
Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name :
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Owner/Authorized Representative Telephone Numbers... Telephone: () - ext. Fax: () -
4. Owner/Authorized Representative E-mail Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.</i> _____ Signature _____ Date

APPLICATION INFORMATION

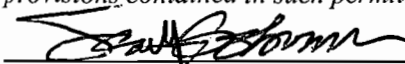
Application Responsible Official Certification

Complete if applying for an initial, revised, or renewal Title V air operation permit or concurrent processing of an air construction permit and revised or renewal Title V air operation permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

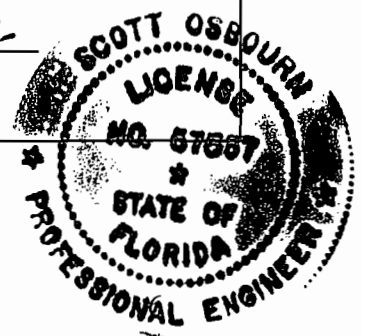
1. Application Responsible Official Name: Martin J. Drango, P.E., Plant Manager
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source or CAIR source.
3. Application Responsible Official Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: P.O. Box 14042, IC 44 City: Saint Petersburg State: FL Zip Code: 33733
4. Application Responsible Official Telephone Numbers... Telephone: (863) 679 - 3020 ext. Fax: (863) 679 - 3055
5. Application Responsible Official E-mail Address: Martin.Drango@pgnmail.com
6. Application Responsible Official Certification: I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.  Signature  Date

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Scott Osbourn Registration Number: 57557
2. Professional Engineer Mailing Address... Organization/Firm: Golder Associates, Inc.* Street Address: 5100 Lemon Street, Suite 208 City: Tampa State: FL Zip Code: 33609
3. Professional Engineer Telephone Numbers... Telephone: (813) 287 - 1717 ext. 53304 Fax: (813) 287 - 1716
4. Professional Engineer E-mail Address: sosbourn@golder.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input checked="" type="checkbox"/>), if so, I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  _____ Signature Date <u>5/17/12</u> (seal)

* Attach any exception to certification statement.



II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates... Zone 17 East (km) 451.4 North (km) 3050.7		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) 27/34/46.1 Longitude (DD/MM/SS) -81/29/34.3	
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4911
7. Facility Comment : The facility consists of two gas turbine peaking units, designated No. 1 and No. 2. Both units have separate exhaust stacks, and are permitted to fire No. 2 fuel oil or natural gas. Each turbine is rated at 33.8 MW, at a maximum heat input of 562.6 MMBtu/hr. Each CT is subject to regulation under the CAIR program. The facility also includes a retired Acid Rain unit, and miscellaneous unregulated/insignificant emissions units and/or activities.			

Facility Contact

1. Facility Contact Name: Gus Schaefer, Senior Environmental Specialist
2. Facility Contact Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: P.O. Box 14042, PEF 903 City: Saint Petersburg State: FL Zip Code: 33733
3. Facility Contact Telephone Numbers: Telephone: (727) 820 - 5351 ext. Fax: (727) 820 - 4611
4. Facility Contact E-mail Address:

Facility Primary Responsible Official

Complete if an "application responsible official" is identified in Section I that is not the facility "primary responsible official."

1. Facility Primary Responsible Official Name:
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Facility Primary Responsible Official Telephone Numbers... Telephone: () - ext. Fax: () -
4. Facility Primary Responsible Official E-mail Address:

FACILITY INFORMATION

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment: The currently operated emission units are regulated under Rule 62-210.300, F.A.C. and the CAIR program. However, these units are not subject to any federal requirements, NSPS – 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines, or the Federal Acid Rain Program.	

FACILITY INFORMATION

List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
SO₂ - Sulfur Dioxide	A	N

FACILITY INFORMATION

B. EMISSIONS CAPS

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility-Wide Cap [Y or N]? (all units)	3. Emissions Unit ID's Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap

7. Facility-Wide or Multi-Unit Emissions Cap Comment:

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
<input checked="" type="checkbox"/>	Attached, Document ID: AV-FI-C1 <input type="checkbox"/> Previously Submitted, Date: _____
2.	Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
<input checked="" type="checkbox"/>	Attached, Document ID: AV-FI-C2 <input type="checkbox"/> Previously Submitted, Date: _____
3.	Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
<input checked="" type="checkbox"/>	Attached, Document ID: AV-FI-C3 <input type="checkbox"/> Previously Submitted, Date: _____

Additional Requirements for Air Construction Permit Applications – N/A

1.	Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (existing permitted facility)
2.	Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL): <input type="checkbox"/> Attached, Document ID: _____
3.	Rule Applicability Analysis: <input type="checkbox"/> Attached, Document ID: _____
4.	List of Exempt Emissions Units: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (no exempt units at facility)
5.	Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
6.	Air Quality Analysis (Rule 62-212.400(7), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
7.	Source Impact Analysis (Rule 62-212.400(5), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
8.	Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9.	Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
10.	Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for FESOP Applications – N/A

1. List of Exempt Emissions Units: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (no exempt units at facility)

Additional Requirements for Title V Air Operation Permit Applications

1. List of Insignificant Activities: (Required for initial/renewal applications only) <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-C4 <input type="checkbox"/> Not Applicable (revision application)
--

2. Identification of Applicable Requirements: (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-C5 <input type="checkbox"/> Not Applicable (revision application with no change in applicable requirements)
--

3. Compliance Report and Plan: (Required for all initial/revision/renewal applications) <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-C6 Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.

4. List of Equipment/Activities Regulated under Title VI: (If applicable, required for initial/renewal applications only) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities Onsite but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable

5. Verification of Risk Management Plan Submission to EPA: (If applicable, required for initial/renewal applications only) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
--

6. Requested Changes to Current Title V Air Operation Permit: <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-C7 <input type="checkbox"/> Not Applicable

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Facilities Subject to Acid Rain, CAIR, or Hg Budget Program

1. Acid Rain Program Forms: Acid Rain Part Application (DEP Form No. 62-210.900(1)(a)): <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-AR <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Not Applicable (not an Acid Rain source) Phase II NO _x Averaging Plan (DEP Form No. 62-210.900(1)(a)1.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable New Unit Exemption (DEP Form No. 62-210.900(1)(a)2.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
2. CAIR Part (DEP Form No. 62-210.900(1)(b)): <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-CAIR <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Not Applicable (not a CAIR source)

Additional Requirements Comment

EMISSIONS UNIT INFORMATION

Section [1] of [1]

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application - Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

EMISSIONS UNIT INFORMATION

Section [1] of [1]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
Gas Turbine Peaking Unit No. 1 and No. 2.

3. Emissions Unit Identification Number: **003 and 004**

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: December 20, 1968	7. Emissions Unit Major Group SIC Code: 49
---	--------------------------------	--	--

8. Federal Program Applicability: (Check all that apply)

Acid Rain Unit

CAIR Unit

9. Package Unit:
Manufacturer: **Pratt-Whitney** Model Number:

10. Generator Nameplate Rating: **33.8 MW each turbine**

11. Emissions Unit Comment:
The gas turbines may fire natural gas or No. 2 fuel oil having a maximum sulfur content of 1.0 percent by weight. Each turbine exhausts through a separate stack.

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

EMISSIONS UNIT INFORMATION

Section [1] of [1]

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:
2. Maximum Production Rate:
3. Maximum Heat Input Rate: 562.6 million Btu/hr for each turbine
4. Maximum Incineration Rate: pounds/hr tons/day
5. Requested Maximum Operating Schedule: 24 hours/day 7 days/week 52 weeks/year 8,760 hours/year
6. Operating Capacity/Schedule Comment: The maximum heat input rate to each turbine shall not exceed 562.6 million Btu/hr while firing No. 2 fuel oil or natural gas (47 °F, HHV).

EMISSIONS UNIT INFORMATION

Section [1] of [1]

C. EMISSION POINT (STACK/VENT) INFORMATION**(Optional for unregulated emissions units.)****Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: Gas turbine gases exhaust through a single stack per turbine unit.			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: V	6. Stack Height: 55 feet	7. Exit Diameter: 10 feet	
8. Exit Temperature: 850 °F	9. Actual Volumetric Flow Rate: 2,000,000 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm			
13. Emission Point UTM Coordinates... Zone: 17 East (km): 451.4 North (km): 3050.5			
15. Emission Point Comment: Stack parameters for each combustion turbine.			

EMISSIONS UNIT INFORMATION

Section [1] of [1]

D. SEGMENT (PROCESS/FUEL) INFORMATION**Segment Description and Rate: Segment 1 of 2**

1. Segment Description (Process/Fuel Type): Internal Combustion - Electric Generation - Distillate Oil/Diesel Turbine.		
2. Source Classification Code (SCC): 2-01-001-01		3. SCC Units: Thousand Gallons Burned
4. Maximum Hourly Rate: 4.06	5. Maximum Annual Rate: 35,565.6	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.0	8. Maximum % Ash: 0.1	9. Million Btu per SCC Unit: 138.45
10. Segment Comment: 1. Maximum annual rate is based on 8,760 hr/yr. 2. Maximum hourly rate is based on an inlet temperature of 47 °F. 3. Heat content - HHV		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): Internal Combustion - Electric Generation- Natural Gas Turbine		
2. Source Classification Code (SCC): 2-01-002-01		3. SCC Units: Million Cubic Feet Burned
4. Maximum Hourly Rate: 0.49	5. Maximum Annual Rate: 4,320	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1140
10. Segment Comment: 1. Maximum annual rate based on 8,760 hr/yr. 2. Maximum hourly rate is based on an inlet temperature of 47 °F. 3. Heat content - HHV		

EMISSIONS UNIT INFORMATION

Section [1] of [1]

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
SO ₂	NA	NA	EL

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: SO₂		2. Total Percent Efficiency of Control: 0%	
3. Potential Emissions: 577 lb/hour 2,529 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 1% sulfur Reference: Permit No. 0550003-005-AV, Condition A.6.		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: Hourly Emissions = [(563 MMBtu/hr / (19,500 Btu/lb)) x [(1/100)(64/32)] = 577 lb/hr Annual Emissions = (577 lb/hr) (1 ton/2,000 lb)(8,760 hr/yr) = 2,529 TPY			
11. Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 1% sulfur	4. Equivalent Allowable Emissions: 577 lb/hour 2,529 tons/year
5. Method of Compliance: Fuel analysis and sampling upon each fuel delivery (Permit No. 0550003-005-AV, Conditions A.9 and A.12.	
6. Allowable Emissions Comment (Description of Operating Method): Permit Limit.	

Allowable Emissions Allowable Emissions of

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions of

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA Method 9. Permit No. 0550003-005-AV, Conditions A.5 and A.11.	
5. Visible Emissions Comment:	

Visible Emissions Limitation: Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: VE99	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: Best operational practice.	
5. Visible Emissions Comment: Excess emissions resulting from startup, shutdown or malfunction shall not exceed two hours in any 24 hour period. Permit No. 0550003-005-AV, Condition A.7.	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

H. CONTINUOUS MONITOR INFORMATION**Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.****Continuous Monitoring System:** Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer:	
Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer:	
Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

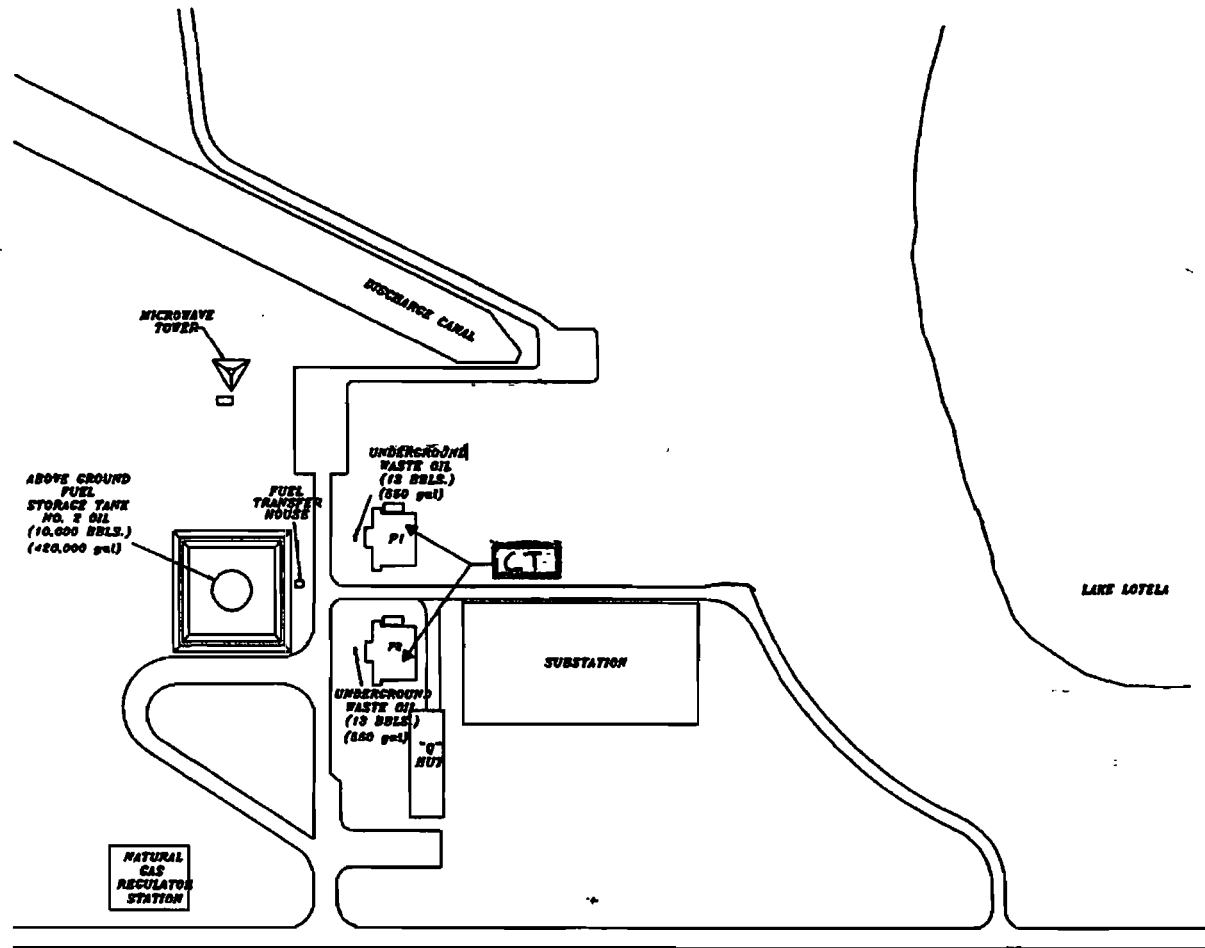
I. EMISSIONS UNIT ADDITIONAL INFORMATION


Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: AV-FI-C2 <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: AV-EU1-I1 <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: N/A <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: AV-EU1-I2 <input type="checkbox"/> Previously Submitted, Date _____ <input type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records: <input checked="" type="checkbox"/> Attached, Document ID: AV-EU1-I3 Test Date(s)/Pollutant(s) Tested: _____ VE test scheduled for May 18, 2012 <input type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

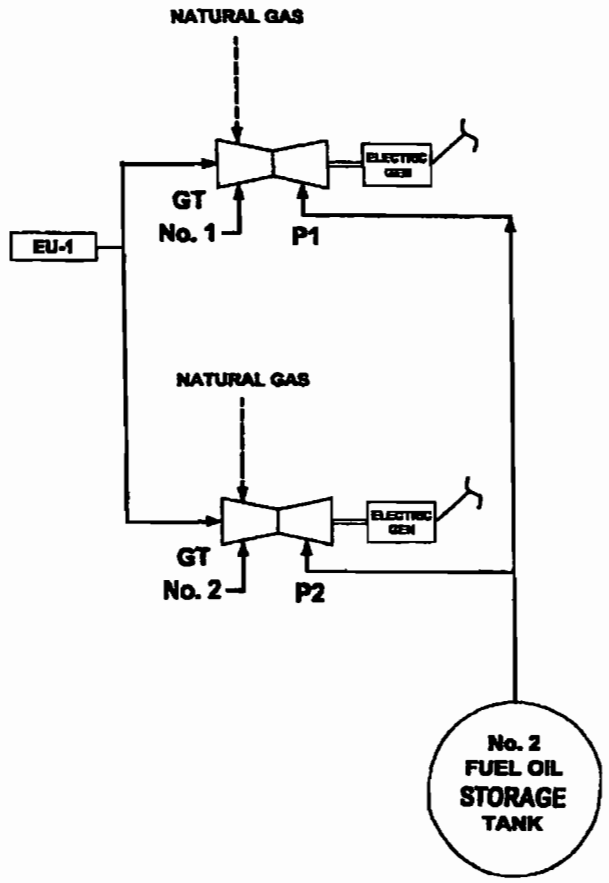
FACILITY ATTACHMENTS


**Attachment AV-FI-C1
Facility Plot Plan**



CLIENT/PROJECT			TAMPA, FLORIDA			TITLE				
Progress Energy Florida, Inc.			 Golder Associates			ATTACHMENT AV-FI-C1 Facility Plot Plan				
DRAWN	CHECKED	REVIEWED	DATE	NOT TO SCALE	FILE NO.	Job No.	DWG NO.	SUBTITLE	REV. NO.	
			5/15/2012			11389575				

**Attachment AV-FI-C2
Process Flow Diagram**



CLIENT/PROJECT		TAMPA, FLORIDA		TITLE					
Progress Energy Florida, Inc.		 Golder Associates		ATTACHMENT AV-FI-C2 Process Flow Diagram					
DRAWN	CHECKED	REVIEWED	DATE	NOT TO SCALE	FILE NO.	Job No.	DWG NO.	SUBTITLE	REV. NO.
			5/15/2012			11389575			

Attachment AV-FI-C3
Precautions to Prevent Emissions of Unconfined Particulate Matter

Precautions to Prevent Emissions of Unconfined Particulate Matter

The facility has negligible amounts of unconfined particulate matter as a result of the operation of the facility. Potential examples of particulate matter include:

- Fugitive dust from paved and unpaved roads, and
- Fugitive particulates from the use of bagged chemical products.

Operational measures are undertaken at the facility, which also minimize particulate emissions, in accordance with 62-296.3 10(3), F. A.C.:

- Maintenance of paved areas as needed,
- Regular mowing of grass and care of vegetation, and
- Other techniques as necessary.

**Attachment AV-FI-C4
List of Insignificant Activities**

List of Insignificant Emissions Units and/or Activities

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 the 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 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
1. Lube Oil Vent with demister
2. Fuel Oil Storage Tanks (underground) – 2,600 gal.
3. Two Waste Oil Storage Tanks – 550 gal.
4. Tank No. CT5 – No.2 Fuel Oil (10,000 bbls)
5. Turbine Lube Oil Tank – 800 gal.
<u>6. Parts Washers/Degreasers</u>
<u>7. Brazing, Soldering, Welding</u>
<u>8. Non-halogenated Solvents</u>
<u>9. 55 Gallon Drums – Oily Rags/Water/Dirt</u>
<u>10. Surface Coating and Solvent Cleaning</u>
<u>11. General Purpose Engines- Portable</u>

Attachment AV-FI-C5
Identification of Applicable Requirements

Title V Core List

Effective: 03/01/02

[**Note:** The Title V Core List is meant to simplify the completion of the "List of Applicable Regulations" for DEP Form No. 62-210.900(1), Application for Air Permit - Long Form. The Title V Core List is a list of rules to which all Title V Sources are presumptively subject. The Title V Core List may be referenced in its entirety, or with specific exceptions. The Department may periodically update the Title V Core List.]

Federal: (description)

40 CFR 61, Subpart M: NESHAP for Asbestos.

40 CFR 82: Protection of Stratospheric Ozone.

40 CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC).

40 CFR 82, Subpart F: Recycling and Emissions Reduction.

State: (description)

CHAPTER 62-4, F.A.C.: PERMITS, effective 06-01-01

62-4.030, F.A.C.: General Prohibition.

62-4.040, F.A.C.: Exemptions.

62-4.050, F.A.C.: Procedure to Obtain Permits; Application

62-4.060, F.A.C.: Consultation.

62-4.070, F.A.C.: Standards for Issuing or Denying Permits; Issuance; Denial.

62-4.080, F.A.C.: Modification of Permit Conditions.

62-4.090, F.A.C.: Renewals.

62-4.100, F.A.C.: Suspension and Revocation.

62-4.110, F.A.C.: Financial Responsibility.

62-4.120, F.A.C.: Transfer of Permits.

62-4.130, F.A.C.: Plant Operation - Problems.

62-4.150, F.A.C.: Review.

62-4.160, F.A.C.: Permit Conditions.

62-4.210, F.A.C.: Construction Permits.

62-4.220, F.A.C.: Operation Permit for New Sources.

CHAPTER 62-210, F.A.C.: STATIONARY SOURCES - GENERAL REQUIREMENTS, effective 06-21-01

62-210.300, F.A.C.: Permits Required.

62-210.300(1), F.A.C.: Air Construction Permits.

62-210.300(2), F.A.C.: Air Operation Permits.

62-210.300(3), F.A.C.: Exemptions.

62-210.300(5), F.A.C.: Notification of Startup.

62-210.300(6), F.A.C.: Emissions Unit Reclassification.

62-210.300(7), F.A.C.: Transfer of Air Permits.

Title V Core List

Effective: 03/01/02

62-210.350, F.A.C.: Public Notice and Comment.
62-210.350(1), F.A.C.: Public Notice of Proposed Agency Action.
62-210.350(2), F.A.C.: Additional Public Notice Requirements for Emissions Units Subject to Prevention of Significant Deterioration or Nonattainment-Area Preconstruction Review.
62-210.350(3), F.A.C.: Additional Public Notice Requirements for Sources Subject to Operation Permits for Title V Sources.

62-210.360, F.A.C.: Administrative Permit Corrections.
62-210.370(3), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility.
62-210.400, F.A.C.: Emission Estimates.
62-210.650, F.A.C.: Circumvention.
62-210.700, F.A.C.: Excess Emissions.

62-210.900, F.A.C.: Forms and Instructions.
62-210.900(1), F.A.C.: Application for Air Permit – Title V Source, Form and Instructions.
62-210.900(5), F.A.C.: Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions.
62-210.900(7), F.A.C.: Application for Transfer of Air Permit – Title V and Non-Title V Source.

CHAPTER 62-212, F.A.C.: STATIONARY SOURCES - PRECONSTRUCTION REVIEW, effective 08-17-00

CHAPTER 62-213, F.A.C.: OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION, effective 04-16-01

62-213.205, F.A.C.: Annual Emissions Fee.
62-213.400, F.A.C.: Permits and Permit Revisions Required.
62-213.410, F.A.C.: Changes Without Permit Revision.
62-213.412, F.A.C.: Immediate Implementation Pending Revision Process.
62-213.415, F.A.C.: Trading of Emissions Within a Source.
62-213.420, F.A.C.: Permit Applications.
62-213.430, F.A.C.: Permit Issuance, Renewal, and Revision.
62-213.440, F.A.C.: Permit Content.
62-213.450, F.A.C.: Permit Review by EPA and Affected States
62-213.460, F.A.C.: Permit Shield.

62-213.900, F.A.C.: Forms and Instructions.
62-213.900(1), F.A.C.: Major Air Pollution Source Annual Emissions Fee Form.
62-213.900(7), F.A.C.: Statement of Compliance Form.

Title V Core List

Effective: 03/01/02

CHAPTER 62-296, F.A.C.: STATIONARY SOURCES - EMISSION STANDARDS, effective 03-02-99

62-296.320(4)(c), F.A.C.: Unconfined Emissions of Particulate Matter.

62-296.320(2), F.A.C.: Objectionable Odor Prohibited.

CHAPTER 62-297, F.A.C.: STATIONARY SOURCES - EMISSIONS MONITORING, effective 03-02-99

62-297.310, F.A.C.: General Test Requirements.

62-297.330, F.A.C.: Applicable Test Procedures.

62-297.340, F.A.C.: Frequency of Compliance Tests.

62-297.345, F.A.C.: Stack Sampling Facilities Provided by the Owner of an Emissions Unit.

62-297.350, F.A.C.: Determination of Process Variables.

62-297.570, F.A.C.: Test Report.

62-297.620, F.A.C.: Exceptions and Approval of Alternate Procedures and Requirements.

Miscellaneous:

CHAPTER 28-106, F.A.C.: Decisions Determining Substantial Interests

**CHAPTER 62-110, F.A.C.: Exception to the Uniform Rules of Procedure, effective
07-01-98**

CHAPTER 62-256, F.A.C.: Open Burning and Frost Protection Fires, effective 11-30-94

CHAPTER 62-257, F.A.C.: Asbestos Notification and Fee, effective 02-09-99

**CHAPTER 62-281, F.A.C.: Motor Vehicle Air Conditioning Refrigerant Recovery and
Recycling, effective 09-10-96**

**Attachment AV-FI-C6
Compliance Report and Plan**

Compliance Plan

Table 1. Compliance Report and Plan, Florida Power Corp. d/b/a Progress Energy Florida, Inc. Avon Park Plant, Combustion Turbine Peaking Units 1 and 2.

Parameter	Value	Compliance Schedule
Run hours	8,760	Annual report
Fuel Type, Sulfur Content	No. 2 fuel oil shall not exceed 1% sulfur by weight	Annual Report
Fuel Analysis	Sulfur content (% by weight); fuel type; heat input	As needed
Visible Emissions	VE shall not be equal to or exceed 20 % opacity.	Annual Test

Annual Compliance Test

Annual compliance tests for visible emissions must be performed at yearly intervals. The visible emission test can be waived on a year to year basis if the unit burns oil for 400 hours or less per year and the unit is not expected to burn oil for more than 400 hours during the next 12 months.

Attachment AV-FI-C7 also requests a permit revision that would also allow this exemption to be provided prior to Title V renewal. Therefore, the purpose of this Compliance Plan would be to require Avon Park to test for compliance during oil firing within 15 days of the date that oil is fired in either of the CTs.

Annual Report

An annual operation report must be submitted on the form supplied by FDEP on or before April 1 of each year per Rule 62-210.370(3)(c), Florida Administrative Code (F.A.C.).

Attachment AV-FI-C7
Requested Changes to Current Title V Air Operation Permit

Requested Changes to Current Title V Air Operation Permit

The following change to the current Avon Park Power Plant Title V Permit No. 0550003-006-AV is requested.

1. Visible Emission Test Requirements

Condition A.16 requires a VE test for each combustion turbine peaking unit while firing fuel oil prior to obtaining a renewed operation permit. Condition A.16 contains a similar VE test requirement on an annual basis but excludes testing if a unit fired fuel oil for less than 400 hours per year. The Avon Park Power Plant combustion turbine peaking units seldom fire fuel oil. This will continue to be the case in the future since natural gas prices are projected to remain low for many years. Accordingly, to comply with Condition A.16 each combustion turbine peaking unit would need to be fired with fuel oil prior to operation permit renewal solely for the purpose of conducting a VE test.

It is long-standing Department policy to not require an emission unit to operate solely for the purpose of testing. To do so will result in emissions that would otherwise not occur. For the Avon Park Power Plant combustion turbine peaking units, firing the units on fuel oil instead of natural gas will result in an unnecessary increase in emissions and a significant adverse economic impact due to the much higher price of fuel oil compared to natural gas.

Therefore, Progress Energy Florida (PEF), requests the following revision to Condition A.16:

A.16 Visible Emission Testing – Annual and Prior to Operation Permit Renewal. By this permit **condition**, annual emissions compliance testing **and compliance testing prior to operation permit renewal** for visible emissions is not required for these emissions units while burning:

- a. Only gaseous fuels; or
- b. Gaseous fuels in combustion 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.

2. Temporary Use of Replacement Combustion Turbines

The Avon Park Power Plant includes two Pratt & Whitney Twin-Pac simple cycle combustion turbine peaking units. Each Twin-Pac unit is comprised of two simple cycle combustion turbines (CTs) that power a common generator. To facilitate routine repairs of the modular CTs, PEF requests approval to swap out a CT with a spare CT that is stored at PEF's Intercession City facility CT repair shop. Once the removed CT is repaired/overhauled, it will be placed back into the location from which it was removed at the Avon Park Power Plant and the temporary CT returned to the repair shop until needed for another swap. While the temporary CT is operating, for CAIR purposes the highest NOx rate is reported. When the repaired CT is returned to service, the original NOx PEMS curve is utilized. Based on the above, PEF requests the following permit condition:

A.19. Temporary Use of Replacement Combustion Turbines

To facilitate routine repair and overhaul of the modular combustion turbines (CTs), temporary use of identical CT model replacement units is authorized as follows:

- a. The requirements of Conditions A.1 through A.18 shall apply to the temporary replacement CT.
- b. Written Notification of Temporary Replacement CT Installation. Written notification (by letter or email) of the planned date of temporary replacement CT installation shall be provided to the Florida Department of Environmental; Protection, Southwest District Office no less than seven (7) days prior to installation. Written notification shall include the following information:
 - i. Identification of the CT being replaced (emission unit number and facility location)
 - ii. Identification of the temporary replacement CT including make and model.
 - iii. Dates the temporary replacement CT will be brought on-site and commence operation; and
 - iv. Expected period of time the temporary replacement CT will be operated.
- c. Written Notification of Temporary Replacement CT Removal. Written notification (by letter or email) of the date the replacement CT is removed shall be provided to the Florida Department of Environmental; Protection, Southwest District within seven (7) days following removal.

List of Insignificant Emissions Units and/or Activities

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 the 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 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
1. Lube Oil Vent with demister
2. Fuel Oil Storage Tanks (underground) – 2,600 gal.
3. Two Waste Oil Storage Tanks – 550 gal.
4. Tank No. CT5 – No.2 Fuel Oil (10,000 bbls)
5. Turbine Lube Oil Tank – 800 gal.
<u>6. Parts Washers/Degreasers</u>
<u>7. Brazing, Soldering, Welding</u>
<u>8. Non-halogenated Solvents</u>
<u>9. 55 Gallon Drums – Oily Rags/Water/Dirt</u>
<u>10. Surface Coating and Solvent Cleaning</u>
<u>11. General Purpose Engines- Portable</u>

**Attachment AV-EU1-I1
Fuel Analysis or Specification**

Fuel Analysis – No. 2 Fuel Oil

<u>Parameter</u>	<u>Typical Value</u>	<u>Max Value</u>
API gravity @ 60 F	30 ¹	
Relative density	7.1 lb/gal ²	
Heat content	19,500 Btu/lb (HHV)	
% sulfur	0.12 ²	1.0 ³
% nitrogen	0.025 – 0.030	
% ash	negligible	0.1 ¹

Note: The values listed are "typical" values based upon 1) information gathered by laboratory analysis, and 2) Florida Power Corp. d/b/a Progress Energy Florida, Inc. fuel purchasing specifications. However, analytical results from grab samples of fuel taken at any given point in time may vary from those listed.

¹ Data taken from the Florida Power Corp. d/b/a Progress Energy Florida, Inc. fuel procurement specification.

² Data from laboratory analysis.

³ Data from current air permit.

Fuel Analysis – Natural gas

<u>Parameter</u>	<u>Typical Value</u>	<u>Max Value</u>
Relative density	0.58 (compared to air)	
heat content	950 - 1140 Btu/cu ft.	
% sulfur	0.43 grains/CCF ¹	2 grain/100 CF
% nitrogen	0.8 % by volume	
% ash	negligible	

Note: The values listed are "typical" values based upon information supplied to Florida Power Corp. d/b/a Progress Energy Florida, Inc. by Florida Gas Transmission (FGT). However, analytical results from grab samples of fuel taken at any given point in time may vary from those listed.

¹ Data from laboratory analysis

**Attachment AV-EU1-I2
Procedures for Startup and Shutdown**

Procedures for Startup and Shutdown

Startup for the gas turbine begins with an electric control system using a switch to initiate the unit startup cycle. The unit generator is synchronized with the grid and can be "on line" (electrical power production) as soon as practical.

The gas turbine has no emission controls. If excess emissions are encountered during startup or shutdown, the nature and cause of any malfunction is identified, along with the corrective action taken or preventative measures adopted. Corrective actions may include switching the unit from automatic (remote) to local control. Best Operating Practices are adhered to and all efforts to minimize both the level and duration of excess emissions are undertaken.

Shutdown is performed by reducing the unit load (electrical production) to a minimum level, opening the breaker (which disconnects the unit generator from the system electrical grid), shutting off the fuel, and coasting to a stop.

**Attachment AV-EU1-I3
Compliance Demonstration Reports/Records**

VE testing conducted on May 18, 2012. Test reports will follow.

**Attachment AV-EU1-I4
Identification of Applicable Requirements**

Florida Department of Environmental Protection

Memorandum

TO: Joseph Kahn, Division of Air Resource Management
THROUGH: Trina Vielhauer, Bureau of Air Regulation *TV*
Jon Holtom, Title V Section *JH*
FROM: Scott M. Sheplak, Title V Section *SMS*
DATE: January 26, 2009
SUBJECT: Final Permit No. 0550003-006-AV
Progress Energy Florida
Avon Park Plant
Title V Air Operation Permit Revision - CAIR Part

The Final Permit for this project is attached for your approval and signature, which revises the Title V air operation permit to include the Clean Air Interstate Rule (CAIR) Part form as a new section added to the existing Title V air operation permit for the above referenced facility.

The attached Final Determination identifies issuance of the combined Draft/Proposed permit, summarizes the publication process, and provides the Department's response(s) to comment(s) (if any) on the Draft Permit. There are no pending petitions for administrative hearings or extensions of time to file a petition for an administrative hearing.

I recommend your approval of the attached Final Permit for this project.

TLV/jkh/sms

Attachments

NOTICE OF FINAL PERMIT

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

Florida Power Corporation dba Progress Energy
P.O. Box 14042, IC-44
St. Petersburg, Florida 33733-4042

Final Permit No. 0550003-006-AV
Avon Park Plant

Title V Air Operation Permit Revision - CAIR Part
Highlands County

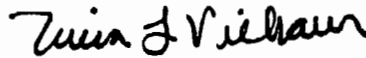
Designated Representative:

Ms. Brenda Brickhouse
Director, Environmental Services Section

Enclosed is the final permit package to revise the Title V air operation permit for the Avon Park Plant. This Title V air operation permit revision is being issued to incorporate the Clean Air Interstate Rule (CAIR) provisions into the Title V air operation permit No. 0550003-005-AV. **Only the changes made to the Title V air operation permit as a result of this revision are provided.** This existing facility is located at 1172 Memorial Drive, Avon Park in Highlands County, Florida. This permit is issued pursuant to Chapter 403, Florida Statutes.

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-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/jkh/sms

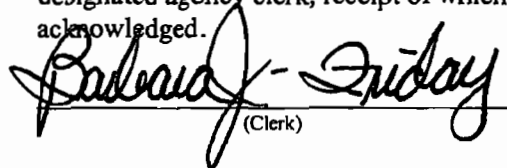
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final Determination, the Statement of Basis and the Final Permit), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested to the persons listed below:

Ms. Brenda Brickhouse (Brenda.Brickhouse@pgnmail.com)
Ms. Julie Turner, Plant Manager (julie.turner@pgnmail.com)
Ms. Katy R. Forney, U.S. EPA, Region 4 (Forney.Kathleen@epamail.epa.gov)
Ms. Ana Oquendo, US EPA, Region 4 (oquendo.ana@epamail.epa.gov)
Mr. A. J. Satyal, DEP SD (ajaya.satyal@dep.state.fl.us)
Ms. Barbara Friday, DEP BAR (Barbara.Friday@dep.state.fl.us) (for posting with U.S. EPA, Region 4)
Ms. Victoria Gibson, DEP BAR (victoria.gibson@dep.state.fl.us) (for reading file)

Clerk Stamp

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


(Clerk)

1/30/09
(Date)

FINAL DETERMINATION

PERMITTEE

Florida Power Corporation dba Progress Energy
Avon Park Plant

PERMITTING AUTHORITY

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

PROJECT

The purpose of this permit is for the revision of the Title V Air Operation Permit to include the Clean Air Interstate Rule (CAIR) Part as an enforceable section of the permit.

This permit was processed using a parallel review.

PUBLIC NOTICE

A Written Notice of Intent to Issue a Title V Air Operation Permit to the Florida Power Corporation dba Progress Energy for the Avon Park Plant located in Highlands County at 1172 Memorial Drive, Avon Park, Florida, was clerked on June 3, 2008. The Public Notice of Intent to Issue a Title V Air Operation Permit was published in the Highlands Today on June 27, 2008. The Draft/Proposed Title V air operation permit was available for public inspection at the permitting authority's office in Tallahassee. Proof of publication of the Public Notice of Intent to Issue a Title V Air Operation Permit was received on June 30, 2008.

COMMENTS

No comments on the Draft/Proposed Permit were received from the US EPA Region 4 Office. No comments were received from the public during the 30-day public comment period. On July 21, 2008, a comment was received from the applicant concerning the July 11, 2008 D.C. Circuit Court issued remand & vacatur order. No changes to the permit are necessary based on the applicant's comment.

DEPARTMENT INITIATED CHANGES

Changes initiated by the Department were made in this Final permit.

Statewide Format Changes

1. The effective date of the permit revision as shown on the placard page is changed from: January 1, 2009 to: January 27, 2009.
2. A cover page and a Table of Contents is added to the Final permit package.

CONCLUSION

The final action of the Department is to issue the Final permit with the changes noted above.

STATEMENT OF BASIS

Progress Energy Florida
Avon Park Plant
Facility ID No. 0550003
Highlands County

Final Permit No. 0550003-006-AV

Title V Operation Permit Revision

CAIR Part

PROJECT DESCRIPTION

On April 28, 2008, the applicant submitted a CAIR Part Form in order to incorporate the Clean Air Interstate Rule provisions into Title V Air Operation Permit No. 0550003-005-AV.

On July 11, 2008, the D.C. Circuit Court issued a remand & vacatur order of the CAIR regulations. Due to the vacatur status, the processing of the CAIR Part was stopped. On December 23, 2008 the D.C. Circuit Court issued a remand without vacatur order of the CAIR regulations. The processing of the revision request to incorporate the Clean Air Interstate Rule provisions into the Title V air operation permit is hereby resumed.

FACILITY DESCRIPTION

This existing facility consists of two nominal 33.8 megawatt gas turbine peaking units that are permitted to fire natural gas or No. 2 fuel oil with a maximum sulfur limitation of 1 percent. The two units began commercial service in 1968.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Revision received on April 28, 2008.

Draft/Proposed Permit posted on web site on June 3, 2008.

Public Notice published on June 27, 2008.

Proof of Publication of Public Notice received on June 30, 2008.

Notification to U.S. EPA Region 4 of Publication of Public Notice on July 8, 2008.

PROJECT REVIEW

CAIR Part

- The EPA unit identification numbers under the acid rain program for these units are "P1" and "P2" not "-003" and "-004" as indicated on the form.
- On June 12, 2008, the applicant submitted a correction to page 1 of the CAIR Part Form. The corrected page is included in the Final permit.
- The CAIR Part Form is now a part of this permit and has been incorporated as Section V., CAIR Part Form. This section identifies the units that must comply with the standard requirements and special provisions set forth in the CAIR Part Form.

CONCLUSION

This project revises Title V Air Operation Permit No. 0550003-005-AV, which was effective January 1, 2008. This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C. In accordance with the terms and conditions of this permit, the above named permittee is hereby authorized to operate the facility as shown on the application and approved drawings, plans, and other documents, on file with the permitting authority.

Progress Energy Florida
Avon Park Plant
Facility ID No. 0550003
Highlands County

Title V Air Operation Permit Revision

Final Permit No. 0550003-006-AV
(1st Revision of Title V Air Operation Permit No. 0550003-005-AV)

Permitting Authority

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

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

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

Compliance Authority

State of Florida
Department of Environmental Protection
South District Office

2295 Victoria Avenue, Suite 364
Fort Myers, FL 33902-2549

Telephone: 239/332-6975
Fax: 239/332-6969

Title V Air Operation Permit Revision
Final Permit No. 0550003-006-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:

Progress Energy Florida, Inc
dba Progress Energy Florida, Inc.
Avon Park Power Plant

Final Permit No. 0550003-006-AV

Facility ID No. 0550003

SIC No. 4911

Project: Title V Air Operation Permit Revision -
CAIR Part

The purpose of this permit is for the revision of the Title V Air Operating Permit to include the Clean Air Interstate Rule (CAIR) Part as an enforceable section of the permit. This facility is located at 1172 Memorial Drive, Avon Park, Highlands County. UTM Coordinates: Zone 17, 451.4 km East and 3050.5 km North; Latitude: 27° 34' 45" North and Longitude: 81° 29' 33" West.

This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to perform the work or 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 revision:

Section V. CAIR Part Form

0550003-005-AV Effective Date: January 1, 2008

Revision Effective Date: January 27, 2009

Renewal Application Due Date: July 5, 2012

Expiration Date: December 31, 2012

Joseph Kahn, Director

Division of Air Resource Management

JK/tlv/jkh/sms

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Clean Air Interstate Rule (CAIR).

Operated by: Progress Energy
Plant Name: Avon Park
ORIS Code: 0624

The emissions units below are regulated under the Clean Air Interstate Rule.

E.U. ID No.	EPA Unit ID#	Brief Description
-003	P1	Gas Turbine Peaking Unit No. 1
-004	P2	Gas Turbine Peaking Unit No. 2

1. Clean Air Interstate Rule Application. The Clean Air Interstate Rule Part Form submitted for this facility is a part of this permit. The owners and operators of these CAIR units as identified in this form must comply with the standard requirements and special provisions set forth in the CAIR Part Form (DEP Form No. 62-210.900(1)(b) - Form, Effective: 3/16/08), which is attached at the end of this section. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]

**SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS**

Clean Air Interstate Rule (CAIR) Part

For more information, see instructions and refer to 40 CFR §§ 121, 88, 122, 88, 221, 88, 222, 88, 321, and 88, 322, and Rule 62-256470, F.A.C.

This submission is: New Revised Renewal

STEP 1

Identify the source by plant name and ORIS or EIA plant code

Plant Name: AVON PARK	State: Florida	ORIS or EIA Plant Code: 624
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STEP 2

In column "a" enter the unit ID# for every CAIR unit at the CAIR source.

In columns "b," "c," and "d," indicate to which CAIR program(s) each unit is subject by placing an "X" in the column(s).

For new units, enter the requested information in columns "e" and "f."

a	b	c	d	e	f
Unit ID#	Unit will hold nitrogen oxides (NO _x) allowances in accordance with 40 CFR 88.108(c)(1)	Unit will hold sulfur dioxide (SO ₂) allowances in accordance with 40 CFR 88.206(c)(1)	Unit will hold NO _x Ozone Season allowances in accordance with 40 CFR 88.886(b)(1)	New Units Expected Commence Commercial Operation Date	New Units Expected Monitor Certification Deadline
E.U.-003	X	X	X		
E.U.-004	X	X	X		

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Plant Name (from STEP 1) **AVON PARK**

STEP 3

**Read the
standard
requirements.**

CAIR NO_x ANNUAL TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO_x source and each CAIR NO_x unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR NO_x source and each CAIR NO_x unit of the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source and each CAIR NO_x unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO_x source with the following CAIR NO_x Emissions Requirements.

NO_x Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
- (2) A CAIR NO_x unit shall be subject to the requirements under paragraph (1) of the NO_x Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Requirements, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.
- (4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
- (5) A CAIR NO_x allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR NO_x allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x unit.

Excess Emissions Requirements.

- If a CAIR NO_x source emits NO_x during any control period in excess of the CAIR NO_x emissions limitation, then:
- (1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
 - (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
 - (i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO_x unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
 - (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.
 - (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.
- (2) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Plant Name (from STEP 1)	AVON PARK
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**STEP 3,
Continued**

Liability.

- (1) Each CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program.
- (2) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x source or the CAIR designated representative of a CAIR NO_x source shall also apply to the owners and operators of such source and of the CAIR NO_x units at the source.
- (3) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x unit or the CAIR designated representative of a CAIR NO_x unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR SO₂ TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR SO₂ source and each SO₂ CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 98, Subpart HHH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 98, Subpart HHH, shall be used to determine compliance by each CAIR SO₂ source with the following CAIR SO₂ Emission Requirements.

SO₂ Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
- (2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO₂ Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
- (5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR SO₂ allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO₂ unit.

Excess Emissions Requirements.

If a CAIR SO₂ source emits SO₂ during any control period in excess of the CAIR SO₂ emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

Plant Name (from STEP 1) **AVON PARK**

**STEP 3,
Continued**

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.

(i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

(2) The CAIR designated representative of a CAIR SO₂ source and each CAIR SO₂ unit at the source shall submit the reports required under the CAIR SO₂ Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

(1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.

(2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source or the CAIR designated representative of a CAIR SO₂ source shall also apply to the owners and operators of such source and of the CAIR SO₂ units at the source.

(3) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ unit or the CAIR designated representative of a CAIR SO₂ unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR SO₂ Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO₂ source or CAIR SO₂ unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR NO_x OZONE SEASON TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall:

(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-298.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and

(ii) [Reserved];

(2) The owners and operators of each CAIR NO_x Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO_x Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-298.470, F.A.C.

(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO_x Ozone Season source with the following CAIR NO_x Ozone Season Emissions Requirements.

NO_x Ozone Season Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.

(2) A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.

(3) A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.

(4) CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.

(5) A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO_x Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a

SECTION V. CAIR PART FORM
CLEAN AIR INTERSTATE RULE PROVISIONS

CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x Ozone Season unit.

Plant Name (from STEP 1)	AVON PARK
--------------------------	-----------

**STEP 3,
Continued**

Excess Emissions Requirements.

If a CAIR NO_x Ozone Season source emits NO_x during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:
(1) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under 40 CFR 98.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 98, Subpart AAAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
(i) The certificate of representation under 40 CFR 98.313 for the CAIR designated representative for the source and each CAIR NO_x Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 98.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with 40 CFR Part 98, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 98, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Ozone Season Trading Program.
(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Ozone Season Trading Program.
(2) The CAIR designated representative of a CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall submit the reports required under the CAIR NO_x Ozone Season Trading Program, including those under 40 CFR Part 98, Subpart HHHH.

Liability.

(1) Each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit shall meet the requirements of the CAIR NO_x Ozone Season Trading Program.
(2) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season source or the CAIR designated representative of a CAIR NO_x Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO_x Ozone Season units at the source.
(3) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season unit or the CAIR designated representative of a CAIR NO_x Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

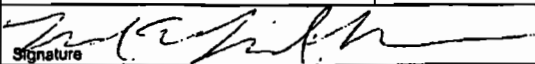
No provision of the CAIR NO_x Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 98.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x Ozone Season source or CAIR NO_x Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

STEP 4

Certification (for designated representative or alternate designated representative only)

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR 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: Brenda Brickhouse	Title: Director, Environmental Services Section
Company Owner Name: FLORIDA POWER CORPORATION DBA PROGRESS ENERGY FLORIDA, INC.	
Phone: 727.820.5153	E-mail Address: Brenda.Brickhouse@pgnmail.com
Signature: 	Date: 4/21/08

Friday, Barbara

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott; Holtom,
Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Attachments: 0550003-006-AVCAIRNoticeofFinalPermit.pdf

Dear Sir/ Madam:

Attached is the official **Notice of Final Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send". **We must receive verification that you are able to access the documents.** Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0550003.006.AV.F_pdf.zip

Attention: Scott Sheplak

Owner/Company Name: FLORIDA POWER CORPORATION D/B/A PROGRESS

Facility Name: AVON PARK

Project Number: 0550003-006-AV

Permit Status: FINAL

Permit Activity: PERMIT REVISION

Facility County: HIGHLANDS

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

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Barbara Friday

Bureau of Air Regulation

Division of Air Resource Management (DARM)

(850)921-9524

Friday, Barbara

From: Brickhouse, Brenda [Brenda.Brickhouse@pgnmail.com]
To: Friday, Barbara
Sent: Friday, January 30, 2009 12:54 PM
Subject: Read: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brenda.Brickhouse@pgnmail.com
Subject:

was read on 1/30/2009 12:54 PM.

Friday, Barbara

From: Bradley, Chris [Chris.Bradley@pgnmail.com]
Sent: Monday, February 02, 2009 12:05 PM
To: Friday, Barbara; Sheplak, Scott
Cc: McDaniel, Kim; Brickhouse, Brenda; Meyer, Dave
Subject: RE: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Ms. Friday & Mr. Sheplak –

We are able to view the listed documents for the Avon Park Plant. If you have any questions, please contact Dave Meyer at (727) 820-5295 or me at (727) 820-5962.

Sincerely,

Chris Bradley
Sr. Environmental Specialist
Technical Services/EHSS Section-POG
Progress Energy Florida, Inc.
Telephone: 727.820.5962
Fax: 727.820.5229
E-mail: Chris.Bradley@pgnmail.com

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Friday, January 30, 2009 12:08 PM
To: Brickhouse, Brenda
Cc: Turner, Julie; Forney.Kathleen@epamail.epa.gov; Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott; Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Dear Sir/ Madam:

Attached is the official **Notice of Final Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send". **We must receive verification that you are able to access the documents.** Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0550003.006.AV.F_pdf.zip

Attention: Scott Sheplak

Owner/Company Name: FLORIDA POWER CORPORATION D/B/A PROGRESS
Facility Name: AVON PARK
Project Number: 0550003-006-AV
Permit Status: FINAL
Permit Activity: PERMIT REVISION
Facility County: HIGHLANDS

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Permit project documents are addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Barbara Friday

Bureau of Air Regulation

Division of Air Resource Management (DARM)

(850)921-9524

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

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mseive01.rtp.epa.gov]
Sent: Friday, January 30, 2009 12:08 PM
To: Friday, Barbara
Subject: Successful Mail Delivery Report
Attachments: Delivery report; Message Headers

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 498333D8_22192_7836_1 03B7A4451D

<Oquendo.Ana@epamail.epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250 OK, sent 498333D8_22192_7836_1 03B7A4451D

Friday, Barbara

From: Oquendo.Ana@epamail.epa.gov
Sent: Monday, February 02, 2009 9:44 AM
To: Friday, Barbara
Subject: Re: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Attachments: 0550003-006-AVCAIRNoticeofFinalPermit.pdf

Barbara,

I could access all files. Thanks.

Wishing you a great day!

Ana M. Oquendo
Air Permits Section
Air, Pesticides and Toxics Management Division U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, GA 30303

email. quendo.ana@epa.gov
phone. 404-562-9781
fax. 404-562-9019

Please consider the environment before printing this email.

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

01/30/2009 12:07
PM

To
<Brenda.Brickhouse@pgnmail.com>
cc
<Julie.Turner@pgnmail.com>,
Kathleen Forney/R4/USEPA/US@EPA,
Ana Oquendo/R4/USEPA/US@EPA,
"Satyal, Ajaya"
<Ajaya.Satyal@dep.state.fl.us>,
"Gibson, Victoria"
<Victoria.Gibson@dep.state.fl.us>
, "Sheplak, Scott"
<Scott.Sheplak@dep.state.fl.us>,
"Holtom, Jonathan"
<Jonathan.Holtom@dep.state.fl.us>

Subject
PROGRESS ENERGY FLORIDA, INC. -
AVON PARK PLANT; 0550003-006-AV

Dear Sir/ Madam:

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http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0550003.006.AV.F_pdf.zip

Attention: Scott Sheplak

Owner/Company Name: FLORIDA POWER CORPORATION D/B/A PROGRESS Facility Name: AVON PARK Project Number: 0550003-006-AV Permit Status: FINAL Permit Activity: PERMIT REVISION Facility County: HIGHLANDS The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Access these documents by clicking on the link provided above, or search for other project documents using the "Air Permit Documents Search" website at

<http://www.dep.state.fl.us/air/eproducts/apds/default.asp> .

Permit project documents are addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Barbara Friday

Bureau of Air Regulation

Division of Air Resource Management (DARM)
(850)921-9524

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Friday, Barbara

From: System Administrator
To: Satyal, Ajaya
Sent: Friday, January 30, 2009 12:08 PM
Subject: Delivered:PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: .PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was delivered to the following recipient(s):

Satyal, Ajaya on 1/30/2009 12:08 PM

Friday, Barbara

From: Satyal, Ajaya
Sent: Friday, January 30, 2009 2:06 PM
To: Friday, Barbara
Subject: RE: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Received the e-mail regarding the ref. project.

AJ Satyal
South District

From: Friday, Barbara
Sent: Friday, January 30, 2009 12:08 PM
To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov; Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott; Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Dear Sir/ Madam:

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0550003.006.AV.F_pdf.zip

Attention: Scott Sheplak

Owner/Company Name: FLORIDA POWER CORPORATION D/B/A PROGRESS
Facility Name: AVON PARK
Project Number: 0550003-006-AV
Permit Status: FINAL
Permit Activity: PERMIT REVISION
Facility County: HIGHLANDS

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Permit project documents are addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Barbara Friday

Bureau of Air Regulation

Division of Air Resource Management (DARM)

(850)921-9524

Friday, Barbara

From: Satyal, Ajaya
To: Friday, Barbara
Sent: Friday, January 30, 2009 2:01 PM
Subject: Read: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was read on 1/30/2009 2:01 PM.

Friday, Barbara

From: System Administrator
To: Gibson, Victoria
Sent: Friday, January 30, 2009 12:08 PM
Subject: Delivered:PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was delivered to the following recipient(s):

Gibson, Victoria on 1/30/2009 12:08 PM

Friday, Barbara

From: Gibson, Victoria
To: Friday, Barbara
Sent: Friday, January 30, 2009 12:38 PM
Subject: Read: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was read on 1/30/2009 12:38 PM.

Friday, Barbara

From: System Administrator
To: Sheplak, Scott
Sent: Friday, January 30, 2009 12:08 PM
Subject: Delivered:PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was delivered to the following recipient(s):

Sheplak, Scott on 1/30/2009 12:08 PM

Friday, Barbara

From: Sheplak, Scott
To: Friday, Barbara
Sent: Friday, January 30, 2009 1:07 PM
Subject: Read: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgrmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was read on 1/30/2009 1:07 PM.

Friday, Barbara

From: System Administrator
To: Holtom, Jonathan
Sent: Friday, January 30, 2009 12:08 PM
Subject: Delivered:PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was delivered to the following recipient(s):

Holtom, Jonathan on 1/30/2009 12:08 PM

Friday, Barbara

From: Holtom, Jonathan
To: Friday, Barbara
Sent: Friday, January 30, 2009 1:34 PM
Subject: Read: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV

Your message

To: Brickhouse, Brenda
Cc: Julie.Turner@pgnmail.com; Forney.Kathleen@epamail.epa.gov;
Oquendo.Ana@epamail.epa.gov; Satyal, Ajaya; Gibson, Victoria; Sheplak, Scott;
Holtom, Jonathan
Subject: PROGRESS ENERGY FLORIDA, INC. - AVON PARK PLANT; 0550003-006-AV
Sent: 1/30/2009 12:08 PM

was read on 1/30/2009 1:34 PM.

Florida Department of
Environmental Protection

Memorandum

TO: Joseph Kahn, Director

THRU: Trina Vielhauer, Bureau Chief
A. Linero, Permitting South Administrator

FROM: Teresa Heron *T.H.*

DATE: December 3, 2007

SUBJECT: Progress Energy Florida, Inc
FINAL Title V Permit Renewal
Avon Power Plant

The Title V FINAL Permit Renewal for this facility is attached for your approval and signature.

TLV/aal/tmh

Attachments

NOTICE OF FINAL TITLE V PERMIT RENEWAL

In the Matter of an
Application for Permit by:

Ms. Julie Turner
Responsible Official
Progress Energy Florida, Inc
6525 Osceola-Polk County Line Rd
St. Petersburg, Florida 33848

Highlands County
FINAL Permit Project No.: 0550003-005-AV
Avon Park Power Plant
Progress Energy Florida
Facility ID No. 0550003

Enclosed is the FINAL Title V Permit Renewal, No. 0550003-005-AV for the Avon Park Power Plant located at 1172 Memorial Drive, Avon Park, Highlands County.

This permit renewal is issued pursuant to Chapter 403, Florida Statutes (F.S.). There were no comments received from Region 4, U.S. EPA, regarding the PROPOSED Permit.

Any party to this order (permit renewal) has the right to seek judicial review of the permit renewal pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department of Environmental Protection.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/aal/tmh

Enclosures

Title V Air Operation Permit Renewal
FINAL Permit Project No.: 0550003-005-AV
Avon Park Power Plant
Progress Energy Florida
Page 2 of 3

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this "Notice of Final Permit" (including the Statement of Basis and the FINAL Permit/package) was sent by electronic mail (received receipt requested) before the close of business on 12/19/07 to the persons listed below:

E-mail Copy furnished to:

Julie Turner, PEF: Julie.Turner@pgnmail

Scott Osbourn, PEF, P.E: sosbourn@golder.com

Dave Meyer, PEF: Dave.Meyer@pgnmail.com

Jim Little, EPA Region 4: little.james@epamail.epa.gov

Kathy Forney, EPA Region 4: forney.kathleen@epamail.epa.gov

James Bradner, DEP: james.bradner@dep.state.fl.us

Clerk Stamp

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


(Clerk) _____ (Date) 12/19/07

Title V Air Operation Permit Renewal
FINAL Permit Project No.: 0550003-005-AV
Avon Park Power Plant
Progress Energy Florida
Page 3 of 3

FINAL DETERMINATION

I. Comments.

No comments were received from the USEPA during their 45 day review period of the PROPOSED Permit. Day 45 is December 15, 2007.

II. Conclusion.

In conclusion, the permitting authority hereby issues the FINAL Permit.

STATEMENT OF BASIS

Progress Energy Florida
Avon Park Plant
Facility ID No. 0550003
Highlands County

FINAL Permit Project No. 0550003-005-AV
Title V Operation Permit Renewal

The application is for a routine renewal of the 5 year Title V Operation Permit (Permit Renewal) for the Progress Energy Avon Park Power Plant. There are no significant changes in the present renewal compared with the previous one.

This Title V 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 perform the work or 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.

This facility consists of two nominal 33.8 megawatt gas turbine peaking units that are permitted to fire natural gas or No. 2 fuel oil with a maximum sulfur limitation of 1 percent. The two units began commercial service in 1968.

Based on the application received July 5, 2007, this facility is not a major source of hazardous air pollutants (HAP). These units are not subject to the Standards of Performance for Stationary Gas Turbines at 40 CFR 60, Subpart GG. There is no emission control equipment on these units. Therefore a compliance assurance monitoring (CAM) plan is not required.

A fossil fuel fired steam generator is listed in the Draft Permit Renewal as ARMS E.U. ID No. 002 and EPA ID 2. It was retired in 1995. It has since been dismantled and removed from the facility. The facility holds ORIS facility code 0624 for that unit under the Federal Acid Rain Program. The final "Retired Unit Exemption" was issued by the U.S. EPA Region 4 on January 31, 1997. The allowances corresponding to this retired unit are included in this Permit Renewal.

Progress Energy Florida
Avon Park Plant
Facility ID No.: 0550003
Highlands County

Title V Air Operation Air Permit Renewal

FINAL Permit Project No. 0550003-005-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

Phone: 850/488-0114
Fax: 850/922-6979

Title V Air Operation Permit
FINAL Permit Renewal No. 0550003-005-AV

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Florida Department of Environmental Protection

Bob Martinez Center
2600 Blairstone Road
Tallahassee, Florida 32399-2400

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Governor
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Lt. Governor
Michael W. Sole
Secretary

Permittee:

Progress Energy Florida, Inc
6525 Osceola-Polk County Line Rd
Intercession City, Florida 33848

FINAL Permit Renewal No. **0550003-005-AV**

Facility ID No. **0550003**

SIC No.: 4911

Project: Title V Air Operation Permit Renewal

The purpose of this permit is for the renewal of the Title V Air Operating Permit. This facility is located at 1172 Memorial Drive, Avon Park, Highlands County. UTM Coordinates: Zone 17, 451.4 km East and 3050.5 km North; Latitude: 27° 34' 45" North and Longitude: 81° 29' 33" 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 perform the work or 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.

Retired Unit Exemption dated June 20, 2007.

Effective Date: January 1, 2008

Renewal Application Due Date: July 5, 2012

Expiration Date: December 31, 2012

Joseph Kahn, Director
Division of Air Resource
Management

JK/tlv/aal/tmh

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of two gas turbine peaking units, designated No. 1 and No. 2. Both units have separate exhaust stacks, and are permitted to fire No. 2 fuel oil or natural gas. Each turbine is rated at 33.8 MW, at a maximum heat input of 562.6 mmBtu/hr. The facility also includes a retired Acid Rain unit. In addition, included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V permit renewal application received July 5, 2007, this facility is *not* a major source of hazardous air pollutants (HAPs).

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

E.U. ID No.	Brief Description
-003	Gas Turbine Peaking Unit No. 1
-004	Gas Turbine Peaking Unit No. 2
-002	Fossil Fuel Fired Steam Generator (Retired Acid Rain Unit)

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:

Initial Title V Permit, 0550003-001-AV, issued on December 29, 1997

Title V Permit Renewal, 0550003-002-AV, issued on December 24, 2002

Title V Permit Revision, No. 0550003-004-AV, effective date August 4, 2005

Title V Permit Renewal, No. 0550003-005-AV, effective date January 1, 2008

Documents listed in Appendix H-1- History

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 with only one copy when requested or otherwise appropriate.}
2. **Not federally enforceable. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited.** The permittee shall not 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.
[Rule 62-296.320(4)(b)1., & 4., F.A.C.]
4. **Prevention of Accidental Releases (Section 112(r) of the Clean Air Act).**
 - 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 62-213.430(6), F.A.C.]
7. [Reserved.]
8. **General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.** The permittee shall allow no person to store, pump, handle,

process, load, unload or use in any process or installation, VOCs or OSs without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1)(a), F.A.C.]

9. Not federally enforceable. Reasonable precautions shall be taken to prevent emissions of unconfined particulate matter at this facility. Specific steps shall be taken at the facility to minimize particulate emissions as follows:

- Maintenance of paved areas as needed,
- Regular mowing of grass and care of vegetation, and
- 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 July 5, 2007.]

{Note: This condition implements the requirements of Rules 62-296.320(4)(c)1., 3., & 4., F.A.C. (see Condition 57. of Appendix TV-6, Title V Conditions).}

10. 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.]

11. 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).}

12. State Compliance Authority: The permittee shall submit all compliance related notifications and reports required of this permit to the Department's South District office:

Department of Environmental Protection
South District Office
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33902-2549
Telephone: (239) 332-6975
Fax: (239) 332-6969

13. EPA Compliance Authority: Any reports, data, notifications, certifications, and requests required for 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
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155
Fax: 404/562-9163

14. 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.]

Section III. Emissions Unit(s) & Conditions.

Subsection A. This section addresses the following emissions units.

E. U. ID No.	Brief Description
-003	Gas Turbine Peaking Unit No. 1
-004	Gas Turbine Peaking Unit No. 2

The above referenced gas turbines may fire natural gas or No. 2 fuel oil having a maximum sulfur content of 1.0 percent by weight. Each gas turbine is rated at 33.8 MW (megawatts of electricity), and has a maximum heat input of 562.6 mmBtu/hr. Emissions are *not controlled*, and each turbine exhausts through a separate stack. The units began commercial service in 1968.

{Permitting Note: The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required. However, these units are *not* subject to any federal requirements, NSPS - 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines, or the Federal Acid Rain Program.}

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

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum heat input rate to each turbine shall not exceed 562.6 mmBtu/hour while firing No. 2 fuel oil or natural gas.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

{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.}

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

A.3. Methods of Operation - Fuels. Only natural gas or No. 2 fuel oil, having a maximum sulfur content of 1.0 percent, by weight, shall be fired in the turbines.
[Rules 62-4.160(2) and 62-213.440(1), F.A.C.]

A.4. Hours of Operation. These emissions units may operate continuously, i.e., 8,760 hours/year.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

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.}

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

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

[Rule 62-296.320(4)(b)1., F.A.C.; and, A028-202500.]

A.6. Not federally enforceable. Sulfur Content. The sulfur content of the No. 2 fuel oil shall not exceed 1.0 percent, by weight.

[0550003-001-AV, Specific Condition A.6.]

Excess Emissions

A.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.]

A.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

A.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 A.12.

[Rule 62-213.440, F.A.C.; and, AO28-202500.]

A.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.}

A.11. The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Rule 62-204.800, F.A.C., and referenced 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.]

A.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 later edition(s). 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.]

A.13. Operating Rate During Testing. Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. 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 operation is 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.
[Rule 62-297.310(2), F.A.C.]

A.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.]

A.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 Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
 10. An annual compliance test conducted for visible emissions shall not be required for units exempted from permitting at Rule 62-210.300(3)(a), F.A.C., or units permitted under the General Permit provisions at Rule 62-210.300(4), F.A.C.

(b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it 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 Department.

(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]

A.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.]

Recordkeeping and Reporting Requirements

A.17. Malfunction Reporting. In the case of excess emissions resulting from malfunctions, 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 Department.
[Rule 62-210.700(6), F.A.C.]

A.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 Department on the results of each such test.

(b) The required test report shall be filed with the Department 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 IV. Acid Rain Part.

Operated by: Progress Energy Florida
ORIS code: 0624

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

The emissions unit listed below is regulated under Phase II of the Federal Acid Rain Program.

E.U. ID No.	Description
-002	Fossil Fuel Fired Steam Generator - PERMANENTLY RETIRED

1. The "Retired Unit Exemption" form submitted for this facility constitutes the Acid Rain Part application pursuant to 40 CFR 72.8 and is a part of this permit. The owners and operators of this acid rain unit shall comply with the standard requirements and special provisions set forth in DEP Form No. 62-210.900(1)(a)3., dated April 16, 2001, and signed by the designated representative on July 30, 2002. This unit is subject to the following: 40 CFR 72.1 which requires the unit 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 boiler a Phase II unit; 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, F.A.C.]

2. Sulfur dioxide (SO₂) allowance allocations for the Acid Rain unit are as follows:

E.U. ID No.	EPA ID	Year	2008	2009	2010	2011	2012
-002	2	SO ₂ allowances, under Table 2 of 40 CFR 73	495*	495*	495*	495*	495*

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

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

a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.440(3), F.A.C.

b. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain program.

c. Allowances shall be accounted for under the Federal Acid Rain Program.

[Rule 62-213.440(1)(c), F.A.C.]

4. The designated representative of this acid rain unit applied for an exemption from the requirements of the Federal Acid Rain Program by submitting a completed and signed "Retired Unit Exemption" form (DEP Form No. 62-210.900(1)(a)3., F.A.C., attached) to the Department. The date of

permanent retirement is January 1, 1995. The unit has been completely dismantled and removed from the facility. Permit AO 28-211596 for this unit has been formally surrendered by letter on November 21, 1996. The final "Retired Unit Exemption" was issued by the U.S. EPA Region 4 on January 31, 1997. [Rule 62-214.340(2), F.A.C.; and, 40 CFR 72.8.]

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

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

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 unit is neither a “regulated emissions unit” nor an “insignificant emissions unit”.

E.U. ID No.	Brief Description of Emission Unit(s) and/or Activity
-002	Fossil Fuel Fired Steam Generator (Retired Acid Rain Unit)

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

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
1. Lube Oil Vent with demister
2. Fuel Oil Storage Tanks (underground) - 2600 gal.
3. Two Waste Oil Storage Tanks - 550 gal.
4. Tank No. CTS - No. 2 Fuel Oil (10,000 bbls)
5. Turbine Lube Oil Tank - 800 gal.

Appendix H-1. Permit History/ID Number Changes.

Permit History (for tracking purposes):

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date	Revised Date(s)
-003	Gas Turbine Peaking Unit (GTPU) No. 1	AO28-202500	10/10/91	10/10/96	08/16/96	
		0550003-001-AV	01/01/98	12/31/02		
-004	Gas Turbine Peaking Unit (GTPU) No. 2	AO28-202500	10/10/91	10/10/96	08/16/96	
		0550003-001-AV	01/01/98	12/31/02		
-002	Fossil Fuel Fired Steam Generator (Retired Acid Rain Unit)	AO28-211596	05/12/92	05/12/97*		
		0550003-001-AV	01/01/98	12/31/02		
003 & 004	GTPU No. 1 and No. 2	0550003-002-AV	12/24/2002			Renewal
		0550003-003-AV				No assigned
003 & 004	GTPU No. 1 and No. 2	0550003-004-AV				Revision
003 & 004	GTPU No. 1 and No. 2	0550003-005-AV				Renewal

ID Number Changes (for tracking purposes):

From: Facility ID No.: 52FTM280003

To: Facility ID No.: 0550003

*Permit AO28-211596 was formally surrendered on November 21, 1996. This Retired Acid Rain Unit was permanently shutdown on January 21, 1984. It has been dismantled and removed from the plant site.

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

Progress Energy Florida Avon Park Plant			Permit No. 0550003-005-AV Facility ID No. 0550003						
This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.									
E.U. ID No.		Brief Description							
-003		Gas Turbine Peaking Unit No. 1							
-004		Gas Turbine Peaking Unit No. 2							
			Allowable Emissions			Equivalent Emissions*			
Pollutant Name	Fuel(s)	Hours/Year	Standard(s)	lbs./hour	TPY	lbs./hour	TPY	Regulatory Citation(s)	See permit conditions
VE	No.2 fuel oil Natural Gas	8,760	Less than 20%	N/A	N/A			Rule 62-296.320(4)(b)1., F.A.C.	A.5.
SO ₂	No.2 fuel oil Natural Gas	8,760	1.0 % sulfur content by weight			577.0	2,527.0	A028-202500	A.6.
Notes: * The "Equivalent Emissions" listed are for informational purposes only.									

Table 2-1. Summary of Compliance Requirements.

Progress Energy Florida Avon Park Plant		Permit No. 0550003-005-AV Facility ID No. 0550003					
This table summarizes information for convenience purposes only. It does not supersede any of the terms or conditions of the permit.							
E.U. ID No.		Brief Description					
-003		Gas Turbine Peaking Unit No. 1					
-004		Gas Turbine Peaking Unit No. 2					
Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date *	Min. Compliance Test Duration	CMS**	See permit conditions
VE	All	EPA Method 9	Annually ***	17-Mar	30 Minutes		A.16.
SO ₂	Oil	Fuel Sampling and Analysis	Per delivery ticket				A.9., A.12.
Notes:							
* The frequency base date is established for planning purposes only; see Rule 62-297.310, F.A.C.							
** CMS [=] continuous monitoring system							
*** If a combustion turbine is operated less than 400 hours per year, test is only required once every 5 years, during the year prior to permit renewal.							

Friday, Barbara

To: Julie.Turner@pgnmail.com; 'sosbourn@golder.com'; Meyer, Dave;
'Little.James@epamail.epa.gov'; Forney.Kathleen@epamail.epa.gov; Bradner, James

Cc: Heron, Teresa

Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon
Park Power Plant

Attachments: 0550003005NoticeofFinalPermit&FD.pdf; 0550003005FinalPermit.pdf;
0550003005FinalPermitSignaturePage.pdf; 0550003005FINALStatement of Basis.pdf;
0550003005FINALTable 1.pdf; 0550003005FINALTable 2.pdf

Dear Sir/Madam:

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

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

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Thank you,

DEP, Bureau of Air Regulation

12/19/2007

Friday, Barbara

From: System Administrator
To: Bradner, James
Sent: Wednesday, December 19, 2007 10:32 AM
Subject: Delivered:FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: 'Julie.Turner@pgnmail.com'; 'sosbourn@golder.com'; 'Meyer, Dave'; 'Little.James@epamail.epa.gov'; 'Forney.Kathleen@epamail.epa.gov'; Bradner, James
Cc: Heron, Teresa
Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant
Sent: 12/19/2007 10:32 AM

was delivered to the following recipient(s):

Bradner, James on 12/19/2007 10:32 AM

Friday, Barbara

From: System Administrator
To: Heron, Teresa
Sent: Wednesday, December 19, 2007 10:32 AM
Subject: Delivered:FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: 'Julie.Turner@pgnmail.com'; 'sosbourn@golder.com'; 'Meyer, Dave'; 'Little.James@epamail.epa.gov'; 'Forney.Kathleen@epamail.epa.gov'; Bradner, James
Cc: Heron, Teresa
Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant
Sent: 12/19/2007 10:32 AM

was delivered to the following recipient(s):

Heron, Teresa on 12/19/2007 10:32 AM

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@sophos.golder.com]
Sent: Wednesday, December 19, 2007 10:32 AM
To: Friday, Barbara
Subject: Successful Mail Delivery Report

Attachments: Delivery report; Message Headers



Delivery report.txt
(461 B)



Message
Headers.txt (2 KB)

This is the mail system at host sophos.golder.com.

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

<sosbourn@golder.com>: delivery via 127.0.0.1[127.0.0.1]:10025: 250 OK, sent
47693965_17450_374_1

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mseive01.rtp.epa.gov]
Sent: Wednesday, December 19, 2007 10:32 AM
To: Friday, Barbara
Subject: Successful Mail Delivery Report

Attachments: Delivery report; Message Headers



Delivery report.txt
(723 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 47693965_15998_40901_1

<Little.James@epamail.epa.gov>: delivery via 127.0.0.1[127.0.0.1]:10025: 250
OK, sent 47693965_15998_40901_1

Friday, Barbara

From: Osbourn, Scott [Scott_Osbourn@golder.com]
To: undisclosed-recipients
Sent: Wednesday, December 19, 2007 10:36 AM
Subject: Read: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: Scott_Osbourn@golder.com
Subject:

was read on 12/19/2007 10:36 AM.

Friday, Barbara

From: Forney.Kathleen@epamail.epa.gov
Sent: Wednesday, December 19, 2007 10:50 AM
To: Friday, Barbara
Subject: Re: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

thanks

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

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

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

12/19/2007 10:31
AM

To
<Julie.Turner@pgnmail.com>,
<sosbourn@golder.com>, "Meyer,
Dave" <Dave.Meyer@pgnmail.com>,
James Little/R4/USEPA/US@EPA,
Kathleen Forney/R4/USEPA/US@EPA,
"Bradner, James"
<James.Bradner@dep.state.fl.us>
cc
"Heron, Teresa"
<Teresa.Heron@dep.state.fl.us>
Subject
FINAL Title V Permit Renewal No.:
0550003-005-AV - Progress Energy
Florida, Inc. - Avon Park Power
Plant

Dear Sir/Madam:

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

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<http://www.adobe.com/products/acrobat/readstep.html>.

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Thank you,
DEP, Bureau of Air Regulation

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey. Thank you in advance for completing the survey. [attachment "0550003005NoticeofFinalPermit&FD.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0550003005FinalPermit.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0550003005FinalPermitSignaturePage.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0550003005FINALStatement of Basis.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0550003005FINALTable 1.pdf" deleted by Kathleen Forney/R4/USEPA/US] [attachment "0550003005FINALTable 2.pdf" deleted by Kathleen Forney/R4/USEPA/US]

Friday, Barbara

From: Turner, Julie [julie.turner@pgnmail.com]
Sent: Wednesday, December 19, 2007 12:51 PM
To: Friday, Barbara
Subject: RE: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

received

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

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Wednesday, December 19, 2007 10:32 AM
To: Turner, Julie; sosbourn@golder.com; Meyer, Dave; Little.James@epamail.epa.gov; Forney.Kathleen@epamail.epa.gov; Bradner, James
Cc: Heron, Teresa
Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Dear Sir/Madam:

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

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Thank you,

DEP, Bureau of Air Regulation

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

Friday, Barbara

From: Turner, Julie [julie.turner@pgnmail.com]
To: Friday, Barbara
Sent: Wednesday, December 19, 2007 12:49 PM
Subject: Read: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: julie.turner@pgnmail.com
Subject:

was read on 12/19/2007 12:49 PM.

Friday, Barbara

From: Heron, Teresa
To: Friday, Barbara
Sent: Wednesday, December 19, 2007 11:26 AM
Subject: Read: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: 'Julie.Turner@pgnmail.com'; 'sosbourn@golder.com'; 'Meyer, Dave'; 'Little.James@epamail.epa.gov'; 'Forney.Kathleen@epamail.epa.gov'; Bradner, James
Cc: Heron, Teresa
Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant
Sent: 12/19/2007 10:32 AM

was read on 12/19/2007 11:26 AM.

Friday, Barbara

From: Bradner, James
Sent: Wednesday, December 19, 2007 11:12 AM
To: Friday, Barbara
Subject: RE: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Got it. Thanks and enjoy the holidays!

From: Friday, Barbara
Sent: Wednesday, December 19, 2007 10:32 AM
To: 'Julie.Turner@pgnmail.com'; 'sosbourn@golder.com'; 'Meyer, Dave'; 'Little.James@epamail.epa.gov'; 'Forney.Kathleen@epamail.epa.gov'; Bradner, James
Cc: Heron, Teresa
Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Dear Sir/Madam:

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

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Thank you,

DEP, Bureau of Air Regulation

12/19/2007

Friday, Barbara

From: Bradner, James
To: Friday, Barbara
Sent: Wednesday, December 19, 2007 11:12 AM
Subject: Read: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: 'Julie.Turner@pgnmail.com'; 'sosbourn@golder.com'; 'Meyer, Dave'; 'Little.James@epamail.epa.gov'; 'Forney.Kathleen@epamail.epa.gov'; Bradner, James
Cc: Heron, Teresa
Subject: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant
Sent: 12/19/2007 10:32 AM

was read on 12/19/2007 11:11 AM.

Friday, Barbara

From: Meyer, Dave [Dave.Meyer@pgnmail.com]
To: Friday, Barbara
Sent: Wednesday, December 19, 2007 4:21 PM
Subject: Read: FINAL Title V Permit Renewal No.: 0550003-005-AV - Progress Energy Florida, Inc. - Avon Park Power Plant

Your message

To: Dave.Meyer@pgnmail.com
Subject:

was read on 12/19/2007 4:21 PM.

Attachment AV-FI-AR
Acid Rain Part Application (DEP Form No. 62-210.900(1)(a))

Acid Rain and CAIR Retired Unit Exemption

For more information, see instructions and refer to 40 CFR 72.8, 96.105, 96.205, 96.305 and Rules 62-214.340(2) and 62-296.470, F.A.C.

New Revised Renewal

STEP 1

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

Plant Name	AVON PARK PLANT	State	FLORIDA	ORIS/Plant Code	624	Unit ID#	2
------------	-----------------	-------	---------	-----------------	-----	----------	---

Applicable Program(s): ~ Acid Rain ~ CAIR NO_x Annual ~ CAIR SO₂ ~ CAIR NO_x Ozone Season

STEP 2

Identify the date on which the unit was (or will be) permanently retired.

01 / 01 / 1995

STEP 3

If an acid rain affected unit, identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.8(d).

January 1, 1995

STEP 4

Read the special provisions.

Acid Rain 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 Chapter 62-213, F.A.C.
- (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 DEP. 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.

Acid Rain and CAIR Retired Unit Exemption

For more information, see instructions and refer to 40 CFR 72.8, 96.105, 96.205, 96.305 and Rules 62-214.340(2) and 62-296.470, F.A.C.

New Revised Renewal

STEP 1

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

AVON PARK PLANT Plant Name	FLORIDA State	624 ORIS/Plant Code	2 Unit ID#
-------------------------------	------------------	------------------------	---------------

Applicable Program(s): ~ Acid Rain ~ CAIR NO_x Annual ~ CAIR SO₂ ~ CAIR NO_x Ozone Season

STEP 2

Identify the date on which the unit was (or will be) permanently retired.

_ 01 / _ 21 / 1984

STEP 3

If an acid rain affected unit, identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.8(d).

January 1, 1995

STEP 4

Read the special provisions.

Acid Rain 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 Chapter 62-213, F.A.C.
- (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 DEP. 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.

Plant Name (from STEP 1) AVON PARK PLANT

STEP 4
(continued)

CAIR Special Provisions

- (1) A unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a), shall not emit any sulfur dioxide or nitrogen oxides starting on the date that the exemption takes effect. The DEP will allocate CAIR NO_x allowances in accordance with Rule 62-296.470, F.A.C.
- (2) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-296.470, 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 DEP. The owners and operators bear the burden of proof that the unit is permanently retired.
- (3) The owners and operators and, to the extent applicable, the CAIR designated representative of a unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a), shall comply with the applicable requirements of the CAIR NO_x Annual Trading Program, the CAIR SO₂ Trading Program, and the CAIR NO_x Ozone Season Trading 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) A unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a), and located at a source that is required, or but for this exemption would be required, to have a title V operating permit shall not resume operation unless the CAIR designated representative of the source submits a complete CAIR Part application under Rule 62-213.420, F.A.C., for the unit before the date on which the unit resumes operation.
- (5) On the earlier of the following dates, a unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a) shall lose its exemption:
 - (i) the date on which the CAIR designated representative submits a CAIR Part application under Special Provision (4) above;
 - (ii) the date on which the CAIR designated representative is required under Special Provision (4) above to submit an CAIR Part application for the unit; or
 - (iii) the date on which the unit resumes operation, if the CAIR designated representative is not required to submit a CAIR Part application for the unit.
- (6) For the purpose of applying monitoring, reporting and recordkeeping requirements under 40 CFR Part 96, Subparts HH, HHH, and/or HHHH, a unit that loses its exemption under 40 CFR 96.105(a), 96.205(a), or 96.305(a), shall be treated as a unit that commences commercial operation on the first date on which the unit resumes operation.

Plant Name (from STEP 1) AVON PARK PLANT

STEP 5
Make Statement of Compliance.

Statement of Compliance

I state that the unit identified above in STEP 1 was (or will be) permanently retired on the date identified in STEP 2 and will comply with the Special Provisions listed in STEP 4.

STEP 6
Read the certification and sign and date.

Certification (for designated representatives or alternate designated representatives only)

I am authorized to make this submission on behalf of the owners and operators of the affected source and affected unit 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: Patricia Q. West	Title: Manager, Environmental, Energy Supply - Florida
Owner Company Name: Florida Power Corporation d/b/a Progress Energy Florida, Inc.	
Phone: (727) 820-5739	Email: Patricia.West@pgnmail.com
Signature <i>Patricia Q. West</i>	Date <i>4/26/12</i>

**Attachment AV-FI-CAIR
CAIR Part (DEP Form No. 62-210.900(1)(b))**

Plant Name (from STEP 1) AVON PARK PLANT

STEP 3

Read the standard requirements.

CAIR NO_x ANNUAL TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO_x source and each CAIR NO_x unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source and each CAIR NO_x unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO_x source with the following CAIR NO_x Emissions Requirements.

NO_x Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
- (2) A CAIR NO_x unit shall be subject to the requirements under paragraph (1) of the NO_x Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Requirements, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.
- (4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
- (5) A CAIR NO_x allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR NO_x allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x unit.

Excess Emissions Requirements.

If a CAIR NO_x source emits NO_x during any control period in excess of the CAIR NO_x emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
 - (i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO_x unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
 - (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.
 - (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.
- (2) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

Plant Name (from STEP 1) **AVON PARK PLANT**

**STEP 3,
Continued**

Liability.

- (1) Each CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program.
- (2) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x source or the CAIR designated representative of a CAIR NO_x source shall also apply to the owners and operators of such source and of the CAIR NO_x units at the source.
- (3) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x unit or the CAIR designated representative of a CAIR NO_x unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR SO₂ TRADING PROGRAM

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall:
 - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
 - (ii) [Reserved];
- (2) The owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR SO₂ source and each SO₂ CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH, shall be used to determine compliance by each CAIR SO₂ source with the following CAIR SO₂ Emission Requirements.

SO₂ Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
- (2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO₂ Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
- (5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR SO₂ allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO₂ unit.

Excess Emissions Requirements.

If a CAIR SO₂ source emits SO₂ during any control period in excess of the CAIR SO₂ emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

Plant Name (from STEP 1) **AVON PARK PLANT**

**STEP 3,
Continued**

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.

(i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

(2) The CAIR designated representative of a CAIR SO₂ source and each CAIR SO₂ unit at the source shall submit the reports required under the CAIR SO₂ Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

(1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.

(2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source or the CAIR designated representative of a CAIR SO₂ source shall also apply to the owners and operators of such source and of the CAIR SO₂ units at the source.

(3) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ unit or the CAIR designated representative of a CAIR SO₂ unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR SO₂ Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO₂ source or CAIR SO₂ unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR NO_x OZONE SEASON TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall:

(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and

(ii) [Reserved];

(2) The owners and operators of each CAIR NO_x Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO_x Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-296.470, F.A.C.

(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO_x Ozone Season source with the following CAIR NO_x Ozone Season Emissions Requirements.

NO_x Ozone Season Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO_x emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.

(2) A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.

(3) A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_x Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.

(4) CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.

(5) A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of NO_x in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO_x Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a

CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_x Ozone Season unit.

Plant Name (from STEP 1) **AVON PARK PLANT**

**STEP 3,
Continued**

Excess Emissions Requirements.

If a CAIR NO_x Ozone Season source emits NO_x during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:
 (1) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under 40 CFR 96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
 (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
 (i) The certificate of representation under 40 CFR 96.313 for the CAIR designated representative for the source and each CAIR NO_x Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
 (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Ozone Season Trading Program.
 (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_x Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Ozone Season Trading Program.
 (2) The CAIR designated representative of a CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall submit the reports required under the CAIR NO_x Ozone Season Trading Program, including those under 40 CFR Part 96, Subpart HHHH.

Liability.

(1) Each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit shall meet the requirements of the CAIR NO_x Ozone Season Trading Program.
 (2) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season source or the CAIR designated representative of a CAIR NO_x Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO_x Ozone Season units at the source.
 (3) Any provision of the CAIR NO_x Ozone Season Trading Program that applies to a CAIR NO_x Ozone Season unit or the CAIR designated representative of a CAIR NO_x Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_x Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 96.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x Ozone Season source or CAIR NO_x Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

STEP 4

Certification (for designated representative or alternate designated representative only)

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR 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: Patricia Q. West		Title: Manager, Environmental, Energy Supply - Florida	
Company/Owner Name: Florida Power Corporation d/b/a Progress Energy Florida Inc.			
Phone: (727) 820-5739		E-mail Address: Patricia.West@pgnmail.com	
Signature <i>Patricia Q. West</i>		Date <i>4/26/12</i>	

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