



# Department of Environmental Protection

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Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

BUREAU OF AIR REGULATION

## I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for any air construction permit at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air permit. Also use this form to apply for an air construction permit:

- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- Where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- Where the applicant proposes 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/renewal Title V air operation permit.

**Air Construction Permit & Title V Air Operation Permit (Concurrent Processing Option)** – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

### Identification of Facility

1. Facility Owner/Company Name: Florida Power Corporation dba Progress Energy Florida, Inc.	
2. Site Name: Anclote Power Plant	
3. Facility Identification Number: 1010017	
4. Facility Location... Street Address or Other Locator: 1729 Baillies Bluff Road City: Holiday County: Pasco Zip Code: 34691-9753	
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: Ann Quillian, P.E.	
2. Application Contact Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: 299 First Avenue North, MAC PEF-903 City: Saint Petersburg State: FL Zip Code: 33701	
3. Application Contact Telephone Numbers... Telephone: (727) 820 - 5962 ext. Fax: (727) 820 - 5229	
4. Application Contact Email Address: Ann.Quillian@pgnmail.com	

### Application Processing Information (DEP Use)

1. Date of Receipt of Application: 5-4-07	3. PSD Number (if applicable):
2. Project Number(s): 1010017-009-AE 1010017-010-A'	4. Siting Number (if applicable):

**APPLICATION INFORMATION**  
**Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)**

**Purpose of Application**

**This application for air permit is 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**

Purpose of this application is to update obsolete permit language to reflect the Acid Rain SO<sub>2</sub> monitoring requirements for the Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002 respectively.

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

**Scope of Application**

<b>Emissions Unit ID Number</b>	<b>Description of Emissions Unit</b>	<b>Air Permit Type</b>	<b>Air Permit Proc. Fee</b>
-001	Fossil Fuel Fired Steam Generator #1		
-002	Fossil Fuel Fired Steam Generator #2		

**Application Processing Fee**

Check one:  Attached - Amount: \_\_\_\_\_  Not Applicable

**Owner/Authorized Representative Statement**


**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 Email Address:
5. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative of the facility 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 requirements identified in this application to which the facility 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.</i>  _____ Signature  _____ Date

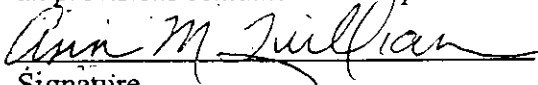
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

**Application Responsible Official Certification**

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

1. Application Responsible Official Name: Jeffrey Swartz
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.
3. Application Responsible Official Mailing Address... Organization/Firm: Florida Power Corporation dba Progress Energy Florida, Inc. Street Address: 1729 Baillies Bluff Road City: Holiday State: FL Zip Code: 34691
4. Application Responsible Official Telephone Numbers... Telephone: (727) 943 - 3006 ext. Fax: (727) 943 - 3050
5. Application Responsible Official Email Address:
6. Application Responsible Official Certification: <i>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.</i>  Signature  Date <u>4/30/07</u>

**Professional Engineer Certification**

1.	Professional Engineer Name: Ann M. Quillian Registration Number: 047610
2.	Professional Engineer Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: 299 First Avenue North, MAC PEF-903 City: Saint Petersburg State: FL Zip Code: 33701
3.	Professional Engineer Telephone Numbers... Telephone: (727) 820 - 5962 ext. Fax: (727) 820 - 5229
4.	Professional Engineer Email Address:
5.	Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i>  (1) <i>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>  (2) <i>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>  (3) <i>If the purpose of this application is to obtain a Title V air operation permit (check here <input 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>  (4) <i>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 checked="" 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>  (5) <i>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>  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">                       Signature                       (seal)                 </div> <div style="width: 45%; text-align: right;">                     4-26-07                      Date                 </div> </div>

\* Attach any exception to certification statement.

**II. FACILITY INFORMATION**

**A. GENERAL FACILITY INFORMATION**

**Facility Location and Type**

1. Facility UTM Coordinates...		2. Facility Latitude/Longitude...	
Zone 17	East (km) 324.4 North (km) 3118.7	Latitude (DD/MM/SS) 28/48/17	Longitude (DD/MM/SS) 82/47/08
3. Governmental Facility Code:	4. Facility Status Code:	5. Facility Major Group SIC Code:	6. Facility SIC(s):
0	A	49	4911
7. Facility Comment :			

**Facility Contact**

1. Facility Contact Name: Suzanne Hamilton
2. Facility Contact Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: 1729 Baillies Bluff Road City: Holiday State: FL Zip Code: 34691
3. Facility Contact Telephone Numbers: Telephone: (727) 943 - 3001 ext. Fax: (727) 943 - 3050
4. Facility Contact Email Address: Suzanne.Hamilton@pgnmail.com

**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 Email Address:

**FACILITY INFORMATION**

**Ancote Power Plant – TV/AC Revision (Part 75 Appendix D)**

**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 checked="" 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:	



**FACILITY INFORMATION**

Anclofe Power Plant – TV/AC Revision (Part 75 Appendix D)

**List of Pollutants Emitted by Facility**

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
CO	A	N
NOx	A	N
PB	A	N
PM	A	N
PM10	A	N
SO2	A	N
VOC	A	N
SAM	A	N
FL	A	N
HAPS	A	N
H106	A	N
H107	A	N
H133	A	N

**FACILITY INFORMATION**

**Ancote Power Plant – TV/AC Revision (Part 75 Appendix D)**

**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 No.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**

**Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)**

**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 type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <u>05/14/2004</u>
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 type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <u>05/14/2004</u>
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 type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: <u>05/14/2004</u>

**Additional Requirements for Air Construction Permit Applications**

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL): <input checked="" type="checkbox"/> Attached, Document ID: <u>FAI-1</u>
3. Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: <u>FAI-2</u>
4. List of Exempt Emissions Units (Rule 62-210.300(3), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Air Quality Analysis (Rule 62-212.400(7), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Source Impact Analysis (Rule 62-212.400(5), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" 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 checked="" 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 checked="" type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**FACILITY INFORMATION**

**Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)**

**Additional Requirements for FESOP Applications**

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.):  
 Attached, Document ID: \_\_\_\_\_  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):  
 Attached, Document ID: \_\_\_\_\_  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):  
 Attached, Document ID: FAI-2  
 Not Applicable (revision application with no change in applicable requirements)

3. Compliance Report and Plan (Required for all initial/revision/renewal applications):  
 Attached, Document ID: \_\_\_\_\_  
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):  
 Attached, Document ID: \_\_\_\_\_  
 Equipment/Activities On site but Not Required to be Individually Listed  
 Not Applicable

5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only) :  
 Attached, Document ID: \_\_\_\_\_  Not Applicable

6. Requested Changes to Current Title V Air Operation Permit:  
 Attached, Document ID: FAI-1 \_\_\_\_\_  Not Applicable

**Additional Requirements Comment**

## EMISSIONS UNIT INFORMATION

Section [1] of [1]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

### 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 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 for air permit. 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 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/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. **The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit.** 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 construction permitting and insignificant emissions units 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]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**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:  
Fossil Fuel Fired Steam Generators #1 and #2

3. Emissions Unit Identification Number: -001 and -002

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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9. Package Unit:  
Manufacturer: \_\_\_\_\_ Model Number: \_\_\_\_\_

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**Emissions Unit Control Equipment**

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

**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [ 1 ]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**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: See Comment Below million Btu/hr		
4. Maximum Incineration Rate: pounds/hr tons/day		
5. Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment: Per Existing Title V Permit No. 1010017-008-AV Specific Condition A.1.1 Maximum Heat Input Rates: EU -001: Oil: 4964 mmBTU/hr Natural Gas: 2300 mmBTU/hr Co-fired Natural Gas & Oil: 5073 mmBTU/hr  EU -002: Oil: 4850 mmBTU/hr Natural Gas: 2300 mmBTU/hr Co-fired Natural Gas & Oil: 4957 mmBTU/hr		



**EMISSIONS UNIT INFORMATION**

Section [ 1 ] of [1]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**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: 2	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: EUs -001 and -002 share the same stack.			
5. Discharge Type Code: V	6. Stack Height: 499 feet		7. Exit Diameter: 24 feet
8. Exit Temperature: 320 °F	9. Actual Volumetric Flow Rate: 1.7 E 06 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment:			

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 1 of 4

1. Segment Description (Process/Fuel Type): External Combustion Boilers – Electric Generation – Residual Oil (No. 6 Oil) – Tangential Firing		
2. Source Classification Code (SCC): 1-01-004-04		3. SCC Units: 1000 Gallons No. 6 Oil Burned
4. Maximum Hourly Rate: See Comment	5. Maximum Annual Rate: See Comment	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.8	8. Maximum % Ash:	9. Million Btu per SCC Unit: 150
10. Segment Comment: Per Title V Permit No. 1010017-008-AV, Specific Condition A.3.1 for Max. % Sulfur and Specific Condition A.1.1 for Max Hourly and Annual Rates: EU -001: $(4964 \text{ mmBTU/hr}) / (150 \text{ mmBTU/Kgallons}) = 33 \text{ Kgallons/hr}$ ; $(33 \text{ Kgal/hr}) \times (8760 \text{ hr/yr}) = 289,080 \text{ kgal/yr}$ EU -002: $(4850 \text{ mmBTU/hr}) / (150 \text{ mmBTU/Kgallons}) = 32 \text{ Kgallons/hr}$ ; $(32 \text{ Kgal/hr}) \times (8760 \text{ hr/yr}) = 280,320 \text{ kgal/yr}$		

**Segment Description and Rate:** Segment 2 of 4

1. Segment Description (Process/Fuel Type): External Combustion Boilers – Electric Generation – Distillate Oil (Nos. 1 and 2 Oil) Firing		
2. Source Classification Code (SCC): 1-01-005-01		3. SCC Units: 1000 Gallons Nos. 1 and 2 Oil Burned
4. Maximum Hourly Rate: See Comment	5. Maximum Annual Rate: See Comment	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.8	8. Maximum % Ash:	9. Million Btu per SCC Unit: 130
10. Segment Comment: Per Title V Permit No. 1010017-008-AV, Specific Condition A.3.1 for Max. % Sulfur and Specific Condition A.1.1 for Max Hourly and Annual Rates: EU -001: $(4964 \text{ mmBTU/hr}) / (130 \text{ mmBTU/Kgallons}) = 38 \text{ Kgallons/hr}$ ; $(38 \text{ Kgal/hr}) \times (8760 \text{ hr/yr}) = 332,880 \text{ kgal/yr}$ EU -002: $(4850 \text{ mmBTU/hr}) / (130 \text{ mmBTU/Kgallons}) = 37 \text{ Kgallons/hr}$ ; $(37 \text{ Kgal/hr}) \times (8760 \text{ hr/yr}) = 324,120 \text{ kgal/yr}$		

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 3 of 4

1. Segment Description (Process/Fuel Type): External Combustion Boilers – Electric Generation – Natural Gas Firing		
2. Source Classification Code (SCC): 1-01-006-01	3. SCC Units: Million Cubic Feet Natural Gas Burned	
4. Maximum Hourly Rate: See Comment	5. Maximum Annual Rate: See Comment	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1050
10. Segment Comment: Per Title V Permit No. 1010017-008-AV, Specific Condition A.1.1 for Max Hourly and Annual Rates: EU -001: $(2300 \text{ mmBTU/hr}) / (1050 \text{ mmBTU/mmCF}) = 2.2 \text{ mmCF/hr}$ ; $(2.2 \text{ mmCF/hr}) \times (8760 \text{ hr/yr}) = 19,272 \text{ mmCF/yr}$ EU -002: $(2300 \text{ mmBTU/hr}) / (1050 \text{ mmBTU/mmCF}) = 2.2 \text{ mmCF/hr}$ ; $(2.2 \text{ mmCF/hr}) \times (8760 \text{ hr/yr}) = 19,272 \text{ mmCF/yr}$		

**Segment Description and Rate:** Segment 4 of 4

1. Segment Description (Process/Fuel Type): External Combustion Boilers – Electric Generation – Used Oil Firing		
2. Source Classification Code (SCC): 1-01-103-02	3. SCC Units: 1000 Gallons Used Oil Burned	
4. Maximum Hourly Rate: See Comment	5. Maximum Annual Rate: See Comment	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.8	8. Maximum % Ash:	9. Million Btu per SCC Unit: See Comment
10. Segment Comment: Per Title V Permit No. 1010017-008-AV, Specific Condition A.3.1 for Max. % Sulfur and Specific Condition A.1.1 for Max Hourly and Annual Rates (assumed heat content similar to distillate oil): EU -001: $(4964 \text{ mmBTU/hr}) / (130 \text{ mmBTU/Kgallons}) = 38 \text{ Kgallons/hr}$ ; $(38 \text{ Kgal/hr}) \times (8760 \text{ hr/yr}) = 332,880 \text{ kgal/yr}$ EU -002: $(4850 \text{ mmBTU/hr}) / (130 \text{ mmBTU/Kgallons}) = 37 \text{ Kgallons/hr}$ ; $(37 \text{ Kgal/hr}) \times (8760 \text{ hr/yr}) = 324,120 \text{ kgal/yr}$		

**EMISSIONS UNIT INFORMATION**

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Anclore Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**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
CO			NS
NOx			NS
PB			NS
PM			EL
PM10			EL
SO2			EL
VOC			NS
SAM			NS
FL			NS
HAPS			NS
H106			NS
H107			NS
H133			NS

**EMISSIONS UNIT INFORMATION**

**POLLUTANT DETAIL INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

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

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PM		2. Total Percent Efficiency of Control:	
3. Potential Emissions: See Field 10 Calculation of Emissions. lb/hour		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: 0.1 lb/mmBTU Reference: Title V Permit 1010017-008-AV		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	
<p>10. Calculation of Emissions: Specific Condition A.1.1, TV Permit No. 1010017-008-AV Max Heat Input (Natural Gas &amp; Oil Co-fired): EU -001: 5073 mmBTU/hr; EU-002: 4957 mmBTU/hr</p> <p>EU -001: (0.1 lb PM/mmBTU) x (5073 mmBTU/hr) = 507 lb PM/hr ((0.1 x 21/24 + 0.3 x 3/24)lb PM/mmBTU) x (5073 mmBTU/hr) x (8760 hrs/year) x (0.0005 tons/lb) = 2777 TPY</p> <p>EU-002: (0.1 lb PM/mmBTU) x (4957 mmBTU/hr) = 496 lb PM/hr ((0.1 x 21/24 + 0.3 x 3/24)lb PM/mmBTU) x (4957 mmBTU/hr) x (8760 hrs/year) x (0.0005 tons/lb) = 2714 TPY</p> <p>Total of EU -001 plus EU -002: 507 + 496 = 1003 lb PM/hr 2777+ 2714 = 5491 TPY PM</p>			
<p>11. Potential, Fugitive, and Actual Emissions Comment: Title V Permit 1010017-008-AV Specific Condition A.7. PM emission limitation: 0.1 lb PM/mmBTU Specific Condition A.8. PM emission limitation for soot blowing and load change: 0.3 lb PM/mmBTU</p>			

**EMISSIONS UNIT INFORMATION****POLLUTANT DETAIL INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS****Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.1 lb PM/mmBTU	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance: Compliance Test	
6. Allowable Emissions Comment (Description of Operating Method): TV Permit No. 1010017-008-AV Specific Conditions A.7; A.28	

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.3 lb PM/mmBTU	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance: Compliance Test	
6. Allowable Emissions Comment (Description of Operating Method): TV Permit No. 1010017-008-AV Specific Conditions A.8; A.28	

**EMISSIONS UNIT INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

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

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PM10		2. Total Percent Efficiency of Control:	
3. Potential Emissions: See Field 10 Calculation of Emissions. lb/hour		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: 0.1 lb/mmBTU Reference: Title V Permit 1010017-008-AV		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	
<p>10. Calculation of Emissions: Specific Condition A.1.1, TV Permit No. 1010017-008-AV Max Heat Input (Natural Gas &amp; Oil Co-fired): EU -001: 5073 mmBTU/hr; EU-002: 4957 mmBTU/hr</p> <p>EU -001:  <math>(0.1 \text{ lb PM10/mmBTU}) \times (5073 \text{ mmBTU/hr}) = 507 \text{ lb PM10/hr}</math>  <math>((0.1 \times 21/24 + 0.3 \times 3/24) \text{ lb PM10/mmBTU}) \times (5073 \text{ mmBTU/hr}) \times (8760 \text{ hrs/year}) \times (0.0005 \text{ tons/lb}) = 2777 \text{ TPY}</math></p> <p>EU-002:  <math>(0.1 \text{ lb PM10/mmBTU}) \times (4957 \text{ mmBTU/hr}) = 496 \text{ lb PM10/hr}</math>  <math>((0.1 \times 21/24 + 0.3 \times 3/24) \text{ lb PM10/mmBTU}) \times (4957 \text{ mmBTU/hr}) \times (8760 \text{ hrs/year}) \times (0.0005 \text{ tons/lb}) = 2714 \text{ TPY}</math></p> <p>Total of EU -001 plus EU -002: <math>507 + 496 = 1003 \text{ lb PM10/hr}</math>  <math>2777 + 2714 = 5491 \text{ TPY PM10}</math></p>			
<p>11. Potential, Fugitive, and Actual Emissions Comment: Title V Permit 1010017-008-AV Specific Condition A.7. PM emission limitation: 0.1 lb PM/mmBTU Specific Condition A.8. PM emission limitation for soot blowing and load change: 0.3 lb PM/mmBTU</p>			

**EMISSIONS UNIT INFORMATION****POLLUTANT DETAIL INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS****Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.****Allowable Emissions** Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.1 lb PM/mmBTU	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance: Compliance Test	
6. Allowable Emissions Comment (Description of Operating Method): TV Permit No. 1010017-008-AV Specific Conditions A.7; A.28	

**Allowable Emissions** Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.3 lb PM/mmBTU	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance: Compliance Test	
6. Allowable Emissions Comment (Description of Operating Method): TV Permit No. 1010017-008-AV Specific Conditions A.8; A.28	



**EMISSIONS UNIT INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

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

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: SO2		2. Total Percent Efficiency of Control:	
3. Potential Emissions: See Field 10 Calculation of Emissions. lb/hour		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: 2.75 lb SO2/mmBTU  Reference: Title V Permit 1010017-008-AV		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	
<p>10. Calculation of Emissions: Specific Condition A.1.1, TV Permit No. 1010017-008-AV Max Heat Input (Fuel Oil): EU -001: 4964 mmBTU/hr; EU-002: 4850 mmBTU/hr</p> <p>EU -001: (2.75 lb SO2/mmBTU) x (4964 mmBTU/hr) = 13,651 lb SO2/hr (2.75 lb SO2/mmBTU) x (4964 mmBTU/hr) x (8760 hrs/year) x (0.0005 tons/lb) = 59,791 TPY</p> <p>EU-002: (2.75 lb SO2/mmBTU) x (4850 mmBTU/hr) = 13,337 lb SO2/hr (2.75 lb SO2/mmBTU) x (4850 mmBTU/hr) x (8760 hrs/year) x (0.0005 tons/lb) = 58,418 TPY</p> <p>Total of EU -001 plus EU -002: 13,651 + 13,337 = 26,988 lb SO2/hr 59,791+ 58,418 = 118,209 TPY SO2</p>			
11. Potential, Fugitive, and Actual Emissions Comment: Title V Permit 1010017-008-AV Specific Condition A.9. SO2 emission limitation: 2.75 lb SO2/mmBTU			

**EMISSIONS UNIT INFORMATION**

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Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

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

**ALLOWABLE EMISSIONS**

**Complete 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: Rule	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 2.75 lb SO2/mmBTU	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance: Fuel sulfur content	
6. Allowable Emissions Comment (Description of Operating Method): TV Permit No. 1010017-008-AV Specific Condition A.10.; A.14.1	

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**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**G. VISIBLE EMISSIONS INFORMATION**

**Complete 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: VE40	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 40 % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: DEP Method 9 (per Specific Conditions A.16 and A.27)	
5. Visible Emissions Comment: Existing permit condition (TV Permit No. 1010017-008-AV, Specific Condition A.5) and OGC File Nos. 86-1574 and 86-1575.	

**Visible Emissions Limitation:** Visible Emissions Limitation 2 of 2

1. Visible Emissions Subtype: VE60	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 60 % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 24 min/hour	
4. Method of Compliance: DEP Method 9 (per Specific Conditions A.16 and A.27)	
5. Visible Emissions Comment: Existing permit condition (TV Permit No. 1010017-008-AV, Specific Condition A.6); Rule 62-210.700(3), F.A.C.: VE ≤ 60% for soot blowing and load change during 3 hours in any 24 hour period; VE > 60% for not more than 4, 6-minute averages during this 3-hour period.	

**EMISSIONS UNIT INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**H. CONTINUOUS MONITOR INFORMATION**

**Complete if this emissions unit is or would be subject to continuous monitoring.**

**Continuous Monitoring System:** Continuous Monitor 1 of 4

1. Parameter Code: EM	2. Pollutant(s): NOX
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information... Manufacturer: TECO Model Number: EU1: 42I; EU2: 42I Serial Number: See Field 7 below	
5. Installation Date: EU1: 04/10/2006; EU2: 05/11/2006	6. Performance Specification Test Date: EU1: 05/05/2006; EU2: 06/01//2006
7. Continuous Monitor Comment: Acid Rain Program: 40 CFR 72.9 Note that NOx monitors have been on these emissions units since 1994. However, these monitors were replaced and the information provided is for the new monitors.  Serial Numbers: EU 1: 0607315739; EU 2: 0607315740	

**Continuous Monitoring System:** Continuous Monitor 2 of 4

1. Parameter Code: CO2	2. Pollutant(s):
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information... Manufacturer: TECO Model Number: EU1: 410I; EU2: 410I Serial Number: See Field 7 below	
5. Installation Date: EU1: 04/10/2006; EU2: 05/11/2006	6. Performance Specification Test Date: EU1: 05/05/2006; EU2: 06/01//2006
7. Continuous Monitor Comment: Acid Rain Program: 40 CFR 72.9 Note that CO2 monitors have been on these emissions units since 1994. However, these monitors were replaced and the information provided is for the new monitors.  Serial Numbers: EU 1: 0607315741; EU 2: 0607315742	

**EMISSIONS UNIT INFORMATION**

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Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**H. CONTINUOUS MONITOR INFORMATION (CONTINUED)**

Complete if this emissions unit is or would be subject to continuous monitoring.

**Continuous Monitoring System:** Continuous Monitor 3 of 4

1. Parameter Code: VE	2. Pollutant(s):
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Durag Model Number: EU1: D-R290 AV; EU2: D-R290 AV Serial Number: See Field 7 below	
5. Installation Date: EU1: 02/01/2006; EU2: 02/01/2006	6. Performance Specification Test Date: EU1: 02/15/2006; EU2: 02/15/2006
7. Continuous Monitor Comment: Acid Rain Program: 40 CFR 72.9 Note that opacity monitors have been on these emissions units since 1994. However, these monitors were replaced and the information provided is for the new monitors.  Serial Numbers: EU 1: 421651; EU 2: 421652	

**Continuous Monitoring System:** Continuous Monitor 4 of 4

1. Parameter Code: EM	2. Pollutant(s): SO2
3. CMS Requirement:	<input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... See Field 7 below Manufacturer: Model Number: Serial Number:	
5. Installation Date: EU1: 10/01/2006; EU2: 10/01/2006	6. Performance Specification Test Date: EU1: 10/01/2006; EU2: 10/01/2006
7. Continuous Monitor Comment Acid Rain Program: 40 CFR 72.9; 40 CFR 75 Appendix D  See Monitoring Plan Pages 3 and 4 (Monitoring Systems/Analytical Components (RT 510)) enclosed in the October 31, 2006 Progress Energy letter to Mr. Manuel Oliva, US EPA which is included in Attachment FAI-1 of this application.	

**EMISSIONS UNIT INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**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 type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date <u>05/14/2004</u>
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 type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date <u>05/14/2004</u>
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: _____ <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 type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date <u>05/14/2004</u> <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 checked="" type="checkbox"/> Previously Submitted, Date <u>05/14/2004</u> <input type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <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 checked="" type="checkbox"/> Not Applicable <p>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.</p>
7. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**EMISSIONS UNIT INFORMATION**

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Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)

Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**Additional Requirements for Air Construction Permit Applications**

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**Additional Requirements for Title V Air Operation Permit Applications**

1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>FAI-2</u>
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input checked="" type="checkbox"/> Attached, Document ID: <u>FAI-3</u> <input type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

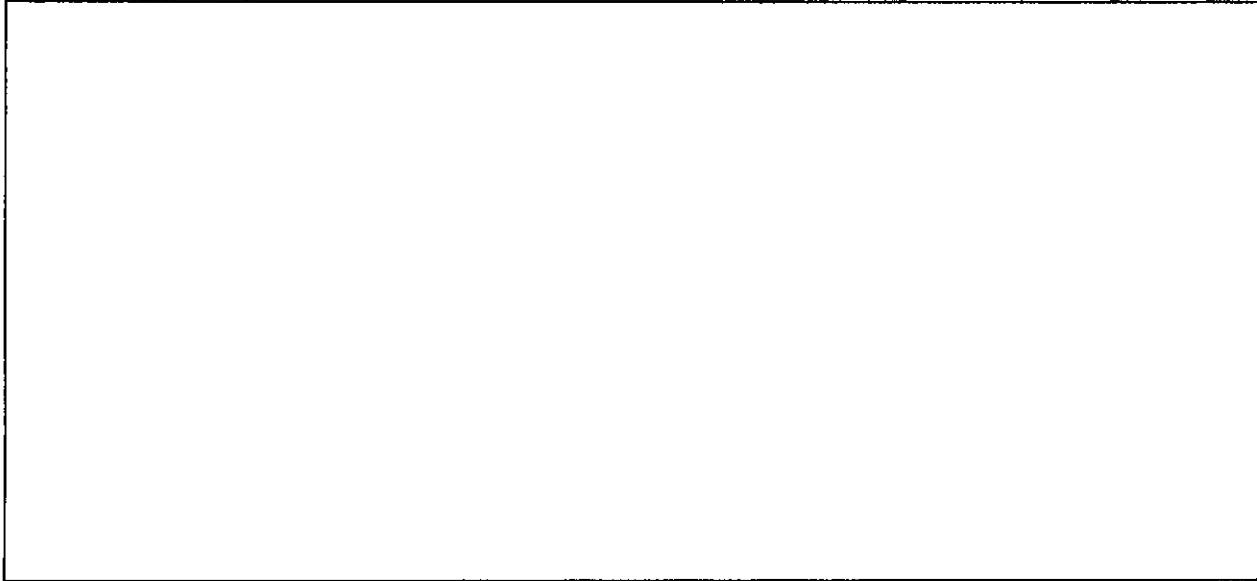
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Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

**Additional Requirements Comment**





**Attachment FAI-1**  
**Description of Changes to Current Title V Permit and Related**  
**Construction Permit**  
**Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)**  
**Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002**

Attachment FAI-1  
Description of Changes to Current Title V Permit and Related  
Construction Permit  
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)  
Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

The Florida Power Corporation dba Progress Energy Florida, Inc. (PEF) Anclote Power Plant's Fossil Fuel Fired Steam Generator Units 1 and 2 are regulated by the Acid Rain Program (40 CFR 72 and 75). For oil-fired units, there are three (3) options by which to measure and to record sulfur dioxide (SO<sub>2</sub>) emissions per 40 CFR 75.11(d). These options are as follows: (1) sulfur dioxide (SO<sub>2</sub>) continuous emission monitoring system; (2) 40 CFR 75, Appendix D SO<sub>2</sub> mass emissions method; (3) §75.19(c) low mass emissions (LME) methodology.

PEF determined due to the layout of the ductwork for these units, that 40 CFR 75, Appendix D protocol would provide a more accurate representation of the SO<sub>2</sub> emissions. Therefore as required by §75.61 PEF notified the US Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection (FDEP) of this methodology change (see copies of the October 31, 2006 PEF letter to Manuel Oliva, USEPA and the October 11, 2006 PEF electronic mail to Errin Pichard, FDEP included in this attachment).

Compliance with the SO<sub>2</sub> emissions limitation in the current Title V Permit and the referenced Air Construction Permit is demonstrated via liquid fuel sulfur content verification by fuel analysis. The 40 CFR 75, Appendix D SO<sub>2</sub> emissions data protocol also uses fuel sulfur content, fuel flow, and fuel heat content to determine SO<sub>2</sub> emissions. Therefore, the Appendix D protocol does not alter the existing permit requirements for SO<sub>2</sub> compliance.

Table FAI-1 shows past monitoring results when CEM method and 40 CFR 75, Appendix D were used:

Table FAI-1 Acid Rain Program Sulfur Dioxide (SO <sub>2</sub> ) Monitoring Anclote Power Plant Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002					
EU -001 (SO <sub>2</sub> lb/mmBTU)			EU -002 (SO <sub>2</sub> lb/mmBTU)		
	CEMS	App. D		CEMS	App. D
1Q2006	1.09		1Q2006	1.10	
2Q2006	1.06		2Q2006	1.16	
3Q2006	1.26		3Q2006	1.31	
4Q2006		1.46	4Q2006		1.52
1Q2007		1.35	1Q2007		1.34

All of the results meet the current permit limitation of 2.75 lbs SO<sub>2</sub>/mmBTU.

Therefore, PEF is requesting that the obsolete language in the Title V Permit No. 1010017-008-AV and Air Construction Permit No. 1010017-004-AC be updated to align with the Appendix D protocol allowed by the Acid Rain Program (40 CFR 75.11(d)(2)). Suggested changes are noted below.

Attachment FAI-1  
Description of Changes to Current Title V Permit and Related  
Construction Permit  
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)  
Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

Air Construction Permit No. 1010017-004-AC:

the 40 CFR 75 Appendix D protocol or

**D. Compliance Determination**

6. Compliance with the liquid fuel sulfur limit shall be verified by a fuel analysis provided by the vendor or performed by FPC upon each fuel delivery with the following exception: in cases where No. 6 fuel oil is received with a sulfur content exceeding 1.5% by weight, and blending is required to obtain a fuel mix equal to the applicable percent sulfur limit, an analysis of a fuel sample representative of fuel from the fuel storage tanks shall be performed by FPC prior to firing oil at the plant. Reports of percent sulfur content of these analyses shall be maintained at the power plant facility.

The owner or operator shall maintain records of the as-fired fuel oil heating value, density or specific gravity, and the percent sulfur content. fuel sulfur content, percent by weight, for liquid fuels shall be determined by either ASTM D2622-94, ASTM D4294-90 (95), ASTM D1552-95, ASTM D1266-91, or both ASTM D4057-88 and ASTM D129-95 (or latest editions) to analyze a representative sample of the fuel oil.

[Rules 62-213.440, 62-296.405(1)(e)3., 62-296.405(1)(f)1.b. and 62-297.440, F.A.C., and applicant agreement with DEP on September 1, 1998.

**F. Monitoring Requirements**

monitoring system

1. The Permittee shall install, calibrate, maintain, and operate a continuous emission ~~monitor in the stack~~ to measure and record the nitrogen oxides, sulfur dioxide emissions and opacity from Units 1 and 2. The continuous emission monitoring systems must comply with the certification and quality assurance, and other applicable requirements from 40 CFR 75. Periods of startup, shutdown, malfunction, and fuel switching shall be monitored, recorded, and reported as excess emissions when emission levels exceed the standards in Table 1 following the format of 40 CFR 60.7 (1998 version).

40 CFR 75 Appendix D protocol or the

2. The following monitoring schedule for No. 1 - 6 fuel oil shall be followed: For all shipments of fuel oil received at the Anclote Power Plant Station, an analysis which reports the sulfur and ash content and heat content (HHV) of the fuel shall be provided by the fuel vendor or other sources which follow the appropriate fuel test methods listed in Specific Condition D1. The analysis record shall specify the origin of the fuel sample, the methods by which the analyses were conducted, the person conducting the sampling and analysis, and date of sampling and analysis.

Title V Permit No. 1010017-008-AV:

**A.14.2.** The 40 CFR 75 Appendix D protocol or the following monitoring schedule for No. 1 – 6 fuel oil shall be followed: For all shipments of fuel oil received at the Anclote Power Plant Station, an analysis which reports the sulfur and ash content and heat content (HHV) of the fuel shall be provided by the fuel vendor or other sources which follow the appropriate fuel test methods listed in Specific Condition

**A.20.1.** The analysis record shall specify the origin of the fuel sample, the methods by which the

Attachment FAI-1  
Description of Changes to Current Title V Permit and Related  
Construction Permit  
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)  
Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

analyses were conducted, the person conducting the sampling and analysis, and the date of sampling and analysis.

[1010017-004-AC, Specific Condition F.2.]

**A.19. Sulfur Dioxide.** The test methods for sulfur dioxide emissions shall be EPA Methods 6, 6A, 6B, or 6C, incorporated by reference in Chapter 62-297, F.A.C. Fuel sampling and analysis may be used as an alternate sampling procedure if such a procedure is incorporated into the operation permit for the emissions unit. If the emissions unit obtains an alternate procedure under the provisions of Rule 62-297.620, F.A.C., the procedure shall become a condition of the emissions unit's permit. The Department will retain the authority to require EPA Method 6 or 6C if it has reason to believe that exceedances of the sulfur dioxide emissions limiting standard are occurring. Results of an approved fuel sampling and analysis program shall have the same effect as EPA Method 6 test results for purposes of demonstrating compliance or noncompliance with sulfur dioxide standards. **The permittee may use the EPA test methods, referenced above, to demonstrate compliance; however, as an alternate sampling procedure authorized by permit, the permittee elected to demonstrate compliance by accepting a liquid fuel sulfur limit that will be verified per the 40 CFR 75 Appendix D protocol or with a fuel analysis provided by the vendor upon each fuel delivery.** See specific conditions **A.9.**, **A.10.** and **A.20.**

[Rules 62-213.440, 62-296.405(1)(e)3. and 62-297.401, F.A.C.; and, Permits 1010017-001-AO and AO 51-254492A.]

**A.20.3.** Compliance with the liquid fuel sulfur limit shall be verified by the 40 CFR 75 Appendix D protocol or a fuel analysis provided by the vendor or obtained by Progress Energy Florida, Inc. (PEF) upon each fuel delivery with the following exception: In cases where No. 6 fuel oil is received with a sulfur content exceeding 1.5%, by weight, and blending is required to obtain a fuel mix equal to the applicable percent sulfur limit, an analysis of a fuel sample representative of fuel from the fuel storage tanks shall be obtained by PEF prior to firing oil at the plant. Reports of percent sulfur content of these analyses shall be maintained at the power plant facility.

[1010017-004-AC, Specific Condition D.6.]

**A.32.2.** The permittee shall install, calibrate, maintain, and operate a continuous emission monitoring system ~~monitor in the stack~~ to measure and record the nitrogen oxides emissions, sulfur dioxide emissions, and opacity from Units 1 and 2. The continuous emissions monitoring systems must comply with the certification and quality assurance, and other applicable requirements from 40 CFR 75. Periods of startup, shutdown, malfunction, and fuel switching shall be monitored, recorded, and reported as excess emissions when emission levels exceed the standards in Specific Conditions **A.5.**, **A.7.**, and **A.10.** following the format of 40 CFR 60.7.

[1010017-004-AC, Specific Condition F.1.]



October 31, 2006

Mr. Manuel Oliva  
USEPA  
1200 Pennsylvania Avenue, NW  
Mail Code 6204J  
Washington, DC 20460

Re: Anclote Plant (ORIS 8048)  
Change in SO<sub>2</sub>/CO<sub>2</sub> Monitoring From CEMS to 40CFR75 Appendix D/G Estimation

Dear Mr. Oliva:

This correspondence is to notify the Environmental Protection Agency (EPA) that Florida Power Corporation d/b/a Progress Energy Florida, Inc. (PEF) is changing its SO<sub>2</sub>/CO<sub>2</sub> monitoring from CEMS to the 40CFR75 Appendix D/G estimation method at its Anclote Power Plant (ORIS 8048).

Certified fuel flow meters for both natural gas and fuel oil have been installed and reporting under this new methodology will begin during the 4th quarter 2006.

This notification includes:

- Updated monitoring plan
- Gas flow meter accuracy test and orifice inspection data
- Oil flow meter accuracy test data

Please feel free to contact Mr. Scott Millsaps at (727) 820-5705 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Michael Kennedy".

J. Michael Kennedy, QEP  
Designated Representative

cc: Mr. Jeff Swartz, Plant Manager  
Mr. Errin Pichard, Florida DEP  
Mr. Chris Bradley, Florida DEP SW District

Enclosures

Mr. Errin Pichard  
 Division of Air Resource Management  
 Florida Department of Environmental Protection  
 2600 Blair Stone Rd. (MS-5510)  
 Tallahassee, FL 32399-2400

Mr. Chris Bradley  
 Division of Air Resource Management  
 Florida Department of Environmental Protection  
 Southwest District  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<b>A. Signature</b> X <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	<b>B. Received by (Printed Name)</b> <input type="checkbox"/> Addressee <b>C. Date of Delivery</b>
1. Article Addressed to:  Mr. Errin Pichard FL Dept. of Environmental Protection 2600 Blair Stone Rd. (MS-5510) Tallahassee, FL 32399-2400  <i>Anclote - change in SO2/CO2 monitoring</i>	<b>D. Is delivery address different from item 1?</b> <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No RECEIVED DEP MAIL CENTER	<b>D. Is delivery address different from item 1?</b> <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No 11/16/06
2. Article Number (Transfer from ser)	<b>3. Service Type</b> <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	<b>4. Restricted Delivery? (Extra Fee)</b> <input type="checkbox"/> Yes
<b>SENDER: COMPLETE THIS SECTION</b> <ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<b>COMPLETE THIS SECTION ON DELIVERY</b> <b>A. Signature</b> X <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	<b>B. Received by (Printed Name)</b> <input type="checkbox"/> Addressee <b>C. Date of Delivery</b>
1. Article Addressed to:  Mr. Christopher Bradley FDEP Southwest District 13051 North Telecom Parkway Temple Terrace, FL 33637  <i>Anclote - change in SO2/CO2 monitoring</i>	<b>D. Is delivery address different from item 1?</b> <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No Southwest District NOV - 2 2006 TEMPLE TERRACE	<b>D. Is delivery address different from item 1?</b> <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number (Transfer from ser)	<b>3. Service Type</b> <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	<b>4. Restricted Delivery? (Extra Fee)</b> <input type="checkbox"/> Yes
1. Article Addressed to:  Mr. Manuel Oliva USEPA 1200 Pennsylvania Avenue, NW Mail Code 6204J Washington, DC 20460  <i>Anclote - change in SO2/CO2 Monitoring</i>	<b>2. Article Number</b> (Transfer from ser)	<b>2. Article Number</b> 7005 3110 0002 4798 7189

ORIS Code: 8048  
Facility Name: ANCLOTE PLANT

State: FL  
County: PASCO

EVALUATION OF TEST DATA FOR UNIT 1

Test Type	Sys ID	Comp ID	Test Date/Time	Test Num	Problem Number	Description
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Based on the evaluation criteria in this version, the software has not identified any errors for this unit.

ORIS Code: 8048  
Facility Name: ANCLOTE PLANT

State: FL  
County: PASCO

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EVALUATION OF TEST DATA FOR UNIT 2

Test Type	Sys ID	Comp ID	Test Date/Time	Test Num	Problem Number	Description
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=====

Based on the evaluation criteria in this version, the software has not identified any errors for this unit.



ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
Unit/Pipe ID: 1 Comp/Sys ID: GFM/106 Parameter: GAS  
Test End Date/Hour: 02/07/2006 12 Test No.: 1 Component Type: GFFM  
Calculated Results: Pass  
Reported Results: Pass

=====  
Level Accuracy Methodology  
=====

ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
Unit/Pipe ID: 1 Comp/Sys ID: GFM/106 Parameter: GAS  
Test End Date/Hour: 03/06/2006 12 Component Type: GFFM Reason for Test: C  
Reported Results: Pass Description of Activity: ORIFICE INSPECTION

=====

ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
 Unit/Pipe ID: 1 Comp/Sys ID: OFE/107 Parameter: OILV  
 Test End Date/Hour: 09/18/2006 Test No.: 1 Component Type: OFFM  
 Reinstall Date/Hour: 10/01/2006 00  
 Calculated Results: Pass  
 Reported Results: Pass

Accuracy at Low Fuel Flowrate	Highest Accuracy at Mid Fuel Flowrate	Accuracy at High Fuel Flowrate	Test Method
0.0	0.0	0.0	Lab comparison to reference meter

ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
 Unit/Pipe ID: 1 Comp/Sys ID: OFW/107 Parameter: OILV  
 Test End Date/Hour: 09/18/2006 Test No.: 1 Component Type: OFFM  
 Reinstall Date/Hour: 10/01/2006 00  
 Calculated Results: Pass  
 Reported Results: Pass

=====

Accuracy at	Highest	Accuracy at	Accuracy at	
Low Fuel	Mid Fuel	High Fuel	Test	
Flowrate	Flowrate	Flowrate	Method	
0.1	0.0	0.0	Lab comparison to reference meter	

=====

ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
Unit/Pipe ID: 2 Comp/Sys ID: GFM/206 Parameter: GAS  
Test End Date/Hour: 02/07/2006 12 Test No.: 1 Component Type: GFFM  
Calculated Results: Pass  
Reported Results: Pass

=====  
Level Accuracy Methodology  
=====

ORIS Code:	8048	Facility:	ANCLOTE PLANT	State:	FL
Unit/Pipe ID:	2	Comp/Sys ID:	GFM/206	Parameter:	GAS
Test End Date/Hour:	03/06/2006 12	Component Type:	GFFM	Reason for Test:	C
Reported Results:	Pass	Description of Activity:	ORIFICE INSPECTION		

=====

ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
 Unit/Pipe ID: 2 Comp/Sys ID: OFE/207 Parameter: OILV  
 Test End Date/Hour: 09/18/2006 Test No.: 1 Component Type: OFFM  
 Reinstall Date/Hour: 10/01/2006 00  
 Calculated Results: Pass  
 Reported Results: Pass

Accuracy at Low Fuel Flowrate	Highest Accuracy at Mid Fuel Flowrate	Accuracy at High Fuel Flowrate	Test Method
0.1	0.0	0.0	Lab comparison-to-reference-meter

ORIS Code: 8048 Facility: ANCLOTE PLANT State: FL  
 Unit/Pipe ID: 2 Comp/Sys ID: OFW/207 Parameter: OILV  
 Test End Date/Hour: 09/18/2006 Test No.: 1 Component Type: OFFM  
 Reinstall Date/Hour: 10/01/2006 00  
 Calculated Results: Pass  
 Reported Results: Pass

Accuracy at Low Fuel Flowrate	Highest Accuracy at Mid Fuel Flowrate	Accuracy at High Fuel Flowrate	Test Method
0.0	0.0	0.0	Lab comparison to reference meter



## FACILITY INFORMATION (RT 102)

ORIS Code/Facility ID: 8048

EPA AIRS ID:

State ID:

Plant Name: ANCLOTE PLANT

State: FL

Latitude: 284817

Longitude: 0824708

County Code: 101

County Name: PASCO

Source Category/Type: ELECTRIC UTILITY

Primary SIC Code/Description: 4911 Electric Services

Add Quarter: 2002Q1

Update Quarter: 2006Q4

## UNIT OPERATION INFORMATION (RT 504)

Unit ID	Unit Short Name	Boiler Type	Max Heat Input (mmBtu)	1st Comm Operation Date	Retirement Date	Stack Exit Height	Stack Base Elevation	Area At Stack Exit	Area At Flow Monitor	Non-Load-Based Unit
1	UNIT 1	T	4964.0	10/16/1974	/ /	499	22	452		
2	UNIT 2	T	4850.0	10/31/1978	/ /	499	22	452		

Boiler Type Codes: T - Tangentially-fired

UNIT PROGRAM INFORMATION (RT 505)

Unit ID	Program	Unit Class	Reporting Frequency	Program Participation Date	State Regulation Code	State/Local Regulatory Agency Code
1	ARP	P2	Q	01/01/1995		
2	ARP	P2	Q	01/01/1995		

Unit Class Codes: P2 - Phase II (ARP only)

Reporting Frequency Codes: Q - Quarterly

EIA Cross Reference Information (RT 506)

Unit ID	Part 75 Monitoring Location ID	EIA Boiler ID	EIA Flue ID	EIA Reporting Year	EIA 767 Reporting Indicator	EIA Facility ID
1	1	1	1	1976		008048
2	2	2	1	1976		008048

UNIT/STACK/PIPE ID: 1

MONITORING SYSTEMS/ANALYTICAL COMPONENTS (RT 510)

SYSTEM				ANALYTICAL COMPONENTS AND DAHS SOFTWARE								
Stat.	ID	Para-meter	P/B	First Reporting Date	Last Reporting Date	Comp. ID	Stat.	Comp. Type	Sample Method (SAM)	Manufacturer	Model or Version	Serial #
U	103	NOX	P	01/01/1995	/ /	001	C	CO2	DIN	TECO	410I	0607315741
						003	C	NOX	DIN	TECO	42I	0607315739
						007	U	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
U	105	OP	P	01/01/1995	/ /	005	U	OP	ISC	DURAG/CEMSOLUTIONS	D-R290	421651
						007	U	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
A	106	GAS	P	10/01/2006	/ /	007	A	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
						GFM	A	GFFM	ORF	YOKOGAWA	EJX910A-EMS5G	91F214094U
A	107	OILV	P	10/01/2006	/ /	007	A	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
						OFF	A	OFFM	COR	MICRO MOTION	RFT9739D4SUA	1711177
						OFF	A	OFFM	COR	MICRO MOTION	RFT9739D44SUA	1711203

Parameter Monitored Codes: GAS - Gas fuel flow, NOX - NOx emission rate, OILV - Volumetric oil flow, OP - Opacity

Primary/Backup Codes: P - Primary

Component Type Codes: CO2 - CO2 analyzer, DAHS - Data acquisition & handling system, GFFM - Gas fuel flowmeter, NOX - NOx analyzer, OFFM - Oil fuel flow meter, OP - Opacity analyzer

SAM codes: DIN - Dilution in-stack, ISC - Cross stack in situ, ORF - Orifice, COR - Coreolis

Status Codes: A - Add, C - Corrected, U - Unchanged

UNIT/STACK/PIPE ID: 2

MONITORING SYSTEMS/ANALYTICAL COMPONENTS (RT 510)

SYSTEM					ANALYTICAL COMPONENTS AND DAHS SOFTWARE							
Stat.	ID	Para- meter	P/B	First Reporting Date	Last Reporting Date	Comp. ID	Stat.	Comp. Type	Sample Method (SAM)	Manufacturer	Model or Version	Serial #
U	203	NOX	P	01/01/1995	/ /	001	U	CO2	DIN	TECO	410I	0607315742
						003	U	NOX	DIN	TECO	42I	0607315740
						007	U	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
						LK1	U	CO2	DIN	TECO	41H	41H-45741-274
U	205	OP	P	01/01/1995	/ /	005	U	OP	ISC	DURAG/CEMSOLUTIONS	D-R290	421652
						007	U	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
A	206	GAS	P	10/01/2006	/ /	007	A	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
						GFM	A	GFFM	ORF	YOKOGAWA	EJX910A-EMS5G	91F214081U
A	207	OILV	P	10/01/2006	/ /	007	A	DAHS		SPECTRUM SYSTEMS INC.	2020SPV75	2020SPV75AN1&2
						OFB	A	OFFM	COR	MICRO MOTION	RFT9739D4SUAEZ	7403469
						OFW	A	OFFM	COR	MICRO MOTION	RFT9739D4SUAEZ	7188382

Parameter Monitored Codes: GAS - Gas fuel flow, NOX - NOx emission rate, OILV - Volumetric oil flow, OP - Opacity

Primary/Backup Codes: P - Primary

Component Type Codes: CO2 - CO2 analyzer, DAHS - Data acquisition & handling system, GFFM - Gas fuel flowmeter, NOX - NOx analyzer, OFFM - Oil fuel flow meter, OP - Opacity analyzer

SAM codes: DIN - Dilution in-stack, ISC - Cross stack in situ, ORF - Orifice, COR - Coreolis

Status Codes: A - Add, U - Unchanged

Unit/Stack/Pipe ID: 1

EMISSIONS FORMULAS (RT 520)

Status	Formula ID#	Parameter	Formula Code	Formulas
D	111	CO2	F-11	$Eh = 5.7 * 10^{**(-7)} * S\#(001-101) * F\#(114)$
D	112	SO2	F-1	$Eh = 1.660 * 10^{**(-7)} * S\#(002-102) * F\#(114)$
U	113	NOX	F-6	$E = 1.194 * 10^{**(-7)} * S\#(003-103) * 1420 * (100 / S\#(001-103))$
D	114	FLOW	X-PL	$FLOW = \{S\#(004-104) + S\#(006-104)\} / 2$
D	116	HI	F-15	$HI = F\#(114) * (1 / 1420) * (S\#(001-101) / 100)$
A	117	HI	F-20	$HI \text{ GAS (mmBtu/hr)} = S\#(GFM-106) * GCV\_GAS / 10^{**6}$
A	118	HI	F-19	$HI \text{ OIL (mmBtu/hr)} = F\#(120) * GCV\_OIL / 10^{**6}$
A	119	HI	D-15	$HI \text{ UNIT (mmBtu/hr)} = (F\#(117) * TIME\_GAS) + (F\#(118) * TIME\_OIL) / TIME\_UNIT$
A	120	FOIL	N-OIL	$AVG \text{ OIL} = \{S\#(OFE-107) + S\#(OFW-107)\} / 2$
A	121	OILM	D-3	$MASS \text{ OIL (lb/hr)} = F\#(120) * DENSITY\_OIL$
A	122	SO2	D-5	$SO2 \text{ GAS (lb/hr)} = 0.0006 * F\#(117)$
A	123	SO2	D-2	$SO2 \text{ OIL (lb/hr)} = 2.0 * F\#(121) * PERCENT\_SULFUR / 100$
A	124	SO2	D-12	$SO2 \text{ UNIT (lb/hr)} = (F\#(122) * TIME\_GAS) + (F\#(123) * TIME\_OIL)$
A	125	CO2	G-4	$CO2 \text{ GAS (tons/hr)} = (F\#(129) * F\#(117) * (1/385) ^{44}) / 2000$
A	126	CO2	G-4	$CO2 \text{ OIL (tons/hr)} = (F\#(129) * F\#(118) * (1/385) ^{44}) / 2000$
A	127	CO2	G-4A	$CO2 \text{ UNIT (tons/hr)} = (F\#(125) * TIME\_GAS + F\#(126) * TIME\_OIL) / TIME\_UNIT$
A	128	FD	F-8	$FD = (8710 * X\_PNG) + (9190 * X\_OIL)$
A	129	FC	F-8	$FD = (1040 * X\_PNG) + (1420 * X\_OIL)$
A	130	HI	F-19	$HI \text{ LIGHT OIL} = MAX \text{ FLOW} * GCV\_LIGHT\_OIL / 10^{**6}$
A	131	HI	D-15A	$HI \text{ ALL FUELS} = (F\#(117) * TIME\_GAS + F\#(118) * TIME\_OIL + F\#(130) * TIME\_LIGHT\_OIL) / TIME\_UNIT$

Status Codes: A - Add, D - Delete, U - Unchanged

Parameter Codes: CO2 - CO2 mass emissions, FC - Carbon Based F-factor, FD - Dry f-factor, FLOW - Net stack flow, FOIL - Net oil flow to unit/pipe, HI - Heat input, NOX - NOx emission rate, OILM - Mass of oil, SO2 - SO2 mass emissions

Unit/Stack/Pipe ID: 2

EMISSIONS FORMULAS (RT 520)

Status	Formula ID#	Parameter	Formula Code	Formulas
D	211	CO2	F-11	$E_h = 5.7 * 10^{**(-7)} * S\#(001-201) * S\#(214)$
D	212	SO2	F-1	$E_h = 1.660 * 10^{**(-7)} * S\#(002-202) * S\#(214)$
U	213	NOX	F-6	$E = 1.194 * 10^{**(-7)} * S\#(003-203) * 1420 * (100 / S\#(001-203))$
D	214	FLOW	X-FL	$FLOW = [S\#(004-204) + S\#(006-204)] / 2$
D	216	HI	F-15	$HI = F\#(214) * (1 / 1420) * (S\#(001-201) / 100)$
A	217	HI	F-20	$HI \text{ GAS (mmBtu/hr)} = S\#(GFM-206) * GCV\_GAS / 10^{**6}$
A	218	HI	F-19	$HI \text{ OIL (mmBtu/hr)} = F\#(220) * GCV\_OIL / 10^{**6}$
A	219	HI	D-15	$HI \text{ UNIT (mmBtu/hr)} = (F\#(217) * TIME\_GAS) + (F\#(218) * TIME\_OIL) / TIME\_UNIT$
A	220	FOIL	N-OIL	$AVG \text{ OIL} = [S\#(OFB-207) + S\#(OPW-207)] / 2$
A	221	OILM	D-3	$MASS \text{ OIL (lb/hr)} = F\#(220) * DENSITY\_OIL$
A	222	SO2	D-5	$SO2 \text{ GAS (lb/hr)} = 0.0006 * F\#(217)$
A	223	SO2	D-2	$SO2 \text{ OIL (lb/hr)} = 2.0 * F\#(221) * PERCENT\_SULFUR / 100$
A	224	SO2	D-12	$SO2 \text{ UNIT (lb/hr)} = (F\#(222) * TIME\_GAS) + (F\#(223) * TIME\_OIL)$
A	225	CO2	G-4	$CO2 \text{ GAS (tons/hr)} = (F\#(229) * F\#(217) * (1/385) * 44) / 2000$
A	226	CO2	G-4	$CO2 \text{ OIL (tons/hr)} = (F\#(229) * F\#(218) * (1/385) * 44) / 2000$
A	227	CO2	G-4A	$CO2 \text{ UNIT (tons/hr)} = (F\#(225) * TIME\_GAS + F\#(226) * TIME\_OIL) / TIME\_UNIT$
A	228	FD	F-8	$FD = (8710 * X\_PNG) + (9190 * X\_OIL)$
A	229	FC	F-8	$FD = (1040 * X\_PNG) + (1420 * X\_OIL)$
A	230	HI	F-19	$HI \text{ LIGHT OIL} = MAX \text{ FLOW} * GCV\_LIGHT\_OIL / 10^{**6}$
A	231	HI	D-15A	$HI \text{ ALL FUELS} = (F\#(217) * TIME\_GAS + F\#(218) * TIME\_OIL + F\#(230) * TIME\_LIGHT\_OIL) / TIME\_UNIT$

Status Codes: A - Add, D - Delete, U - Unchanged

Parameter Codes: CO2 - CO2 mass emissions, FC - Carbon Based F-factor, FD - Dry f-factor, FLOW - Net stack flow, FOIL - Net oil flow to unit/pipe, HI - Heat input, NOX - NOx emission rate, OILM - Mass of oil, SO2 - SO2 mass emissions

SPAN VALUES (RT 530)

Unit/ Stk ID	Para- meter	Meth- od	MPC/ MEC/ MPF	Max. NOx Rate	Span Value	Full-Scale Range	Units of Meas.	Eff. Date and Hour	Inactive Date & Hour	Def.		
										Dual Spans Req.	High Range Value	Flow Rate Span Val. In SCPH
1	CO2	H TB	14.000		20.0	20.0	%	03/20/1994 12	/ /			
	NOX	H HD	600.000	2.035	700	700	PPM	10/20/2004 12	/ /			
2	CO2	H TB	14.000		20.0	20.0	%	03/20/1994 12	/ /			
	NOX	H HD	600.000	2.035	700	700	PPM	10/20/2004 13	/ /			

Parameter Codes: CO2 - Carbon dioxide, NOX - NOx concentration  
 Scale Codes: H - High  
 Method Codes: HD - Historical data, TB - Table of Constants  
 Units of Measure Codes: % - Percent, PPM - Parts per million

MAXIMUMS, MINIMUMS, DEFAULTS, AND CONSTANTS (RT 531)

Unit/Stack/ Pipe ID	Parameter	Value	Units of Measure	Fuel Purpose	Fuel Type	Source of Value	Controlled/ Uncontrolled Indicator	Begin Use of Value Date	Hr	Value No Longer Used Date	Hr
2	CO2M	5.000	%CO2	DC	NFS	DCPD	A	04/01/2000	00	/ /	

Parameter Codes: CO2M - Minimum percent CO2  
 Units of Measure Codes: %CO2 - Percent CO2  
 Purpose Codes: DC - Diluent Cap Value  
 Source of Value Codes: DCPD - Diluent cap default: Part 75  
 Fuel Type Codes: NFS - Non fuel specific

MONITORING METHODOLOGIES (RT 585)

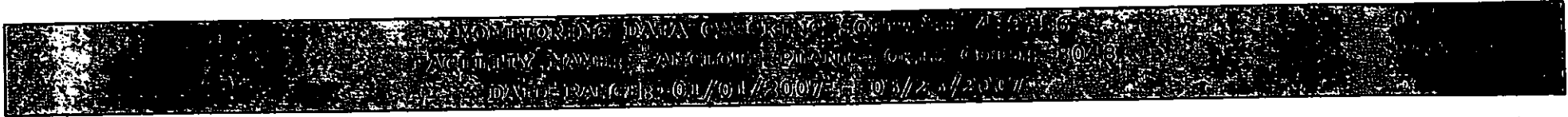
Unit ID	Parameter	Methodology	Fuel Type	Primary/ Secondary	Missing Data Approach	Begin Date	End Date
2	CO2	OFF	OIL	P	SPTS	10/01/2006	/ /
	HI	GFF	PNG	P	SPTS	10/01/2006	/ /
	HI	OFF	OIL	P	SPTS	10/01/2006	/ /
	NOXR	CEM	NFS	P	SPTS	01/01/1995	/ /
	OP	COM	NFS	P	NA	01/01/1995	/ /
	SO2	GFF	PNG	P	SPTS	10/01/2006	/ /
	SO2	OFF	OIL	P	SPTS	10/01/2006	/ /

Parameter Codes: CO2 - Carbon Dioxide, HI - Heat Input, NOXR - NOx Emission Rate, OP - Opacity, SO2 - Sulfur Dioxide  
 Fuel Type Codes: NFS - Non-fuel specific, OIL - Residual oil, PNG - Pipeline natural gas  
 Methodology Codes: CEM - Continuous emission monitoring, COM - Continuous opacity monitoring, GFF - Hourly gas flow, OFF - Hourly oil flow  
 Missing Data Approach Codes: NA - Not applicable, SPTS - Standard Part 75

FUEL TYPE INFORMATION (RT 587)

Unit ID	Fuel Classification	Primary/ Secondary Fuel	Start Date	End Date	Ozone Season Flag	Method to Qualify for Monthly GCV	Method to Qualify for Daily Sulfur
1	DSL	I	01/01/1995	/ /			
	OIL	P	01/01/1995	/ /			
	PNG	S	04/12/1999	/ /			
2	DSL	I	01/01/1995	/ /			
	OIL	P	01/01/1995	/ /			
	PNG	S	06/23/1999	/ /			





CODES FOR FUEL TYPE DATA (RT 587)

**Fuel Classification Codes:**

**Fuel Classification Codes:** DSL - Diesel oil, OIL - Residual oil, PNG - Pipeline natural gas

## Quillian, Ann

---

**From:** Millsaps, Scott  
**Sent:** Wednesday, October 11, 2006 7:29 AM  
**To:** Errin Pichard (errin.pichard@dep.state.fl.us)  
**Cc:** Chris Bradley (christopher.bradley@dep.state.fl.us)  
**Subject:** Notification of Anclote Facility Change to Appendix D/G Reporting

Errin,

This electronic correspondence is to notify the Florida Department of Environmental Protection (DEP) that Florida Power Corporation d/b/a Progress Energy Florida, Inc. (PEF) is changing its SO<sub>2</sub>/CO<sub>2</sub> monitoring from CEMS to the 40CFR75 Appendix D/G estimation method at its Anclote Power Plant (Facility ID No. 1010017).

Certified fuel flow meters for both natural gas and fuel oil have been installed and reporting under this new methodology is expected to begin during the 4th quarter 2006.

I am currently putting together the necessary information to document this change including monitoring plan updates and certification documentation. When this information package is completed, in the next couple of weeks, I will send hard copies for your review.

On Tuesday, October 10, 2006, I spoke with Manuel Oliva, EPA's Region 4 representative, about this matter and will be providing them with the same information that will be sent to you.

Should you have any questions please do not hesitate to contact me.

Thanks,

D. Scott Millsaps  
Lead Environmental Specialist  
Progress Energy

Vnet: 230-5705  
Phone: 727-820-5705  
Cell: 727-409-2678  
Fax: 727-820-5229

100 Central Avenue  
CX1B  
St Petersburg, FL 33701

E-mail: [scott.millsaps@pgnmail.com](mailto:scott.millsaps@pgnmail.com)

**Attachment FAI-2  
Rule Applicability Analysis  
Title V Core List  
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)  
Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002**

## **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.  
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.

**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

Florida Power Corporation  
dba Progress Energy Florida, Inc.  
Anclote Power Plant  
Facility ID No. 1010017  
Pasco County

**Permit No. 1010017-008-AV**  
Title V Air Operation Permit Revision  
Revision of Title V Air Operation Permit No. 1010017-006-AV

Permitting Authority:

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

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

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

Compliance Authority:

Department of Environmental Protection  
Southwest District  
13051 Telecom Parkway  
Temple Terrace, Florida 33637-0926

Telephone: 813/632-7600  
Fax: 813/744-6458

Title V Air Operation Permit Revision  
 Permit No. 1010017-008-AV  
 Revision of Title V Air Operation Permit No. 1010017-006-AV

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Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

**Permittee:**  
Florida Power Corporation  
dba Progress Energy Florida, Inc  
Anclote Power Plant

Permit No. 1010017-008-AV  
Facility ID No. 1010017  
SIC No. 4911  
Title V Air Operation Permit Revision

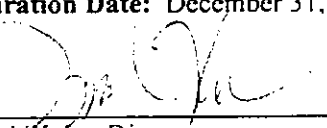
The purpose of this permit is to incorporate the conditions of Air Construction Permit 1010017-007-AC. This existing facility is located at 1729 Baillies Bluff Road, Holiday, Pasco County; UTM Coordinates: Zone 17, 324.4 km East and 3118.7 km North; and, Latitude: [28° 48' 17" North and Longitude: [82° 47' 08" 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 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:**

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  
APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)  
Phase II Acid Rain Application/Compliance Plan received December 14, 1995  
Compliance Plan CP-1

**Effective Date:** December 17, 2006  
**Renewal Application Due Date:** July 5, 2009  
**Expiration Date:** December 31, 2009

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

JK/jfk

*"More Protection, Less Process"*

Printed on recycled paper.

**Permittee:**  
Florida Power Corporation  
dba Progress Energy Florida, Inc  
Anclote Power Plant

Permit No. 1010017-008-AV  
Facility ID No. 1010017  
SIC No. 4911  
Title V Air Operation Permit Revision

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**Referenced attachments made a part of this permit revision:**

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APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)  
Phase II Acid Rain Application/Compliance Plan received December 14, 1995  
Compliance Plan CP-1

**Effective Date:** December 21, 2006  
**Renewal Application Due Date:** July 5, 2009  
**Expiration Date:** December 31, 2009

---

Joseph Kahn, Director  
Division of Air Resource Management

JK/jfk

**Section I. Facility Information.**  
**Subsection A. Facility Description.**

This facility consists of two fuel oil fired steam electric generating stations, E.U. ID No. -001 (Unit No. 1) and -002 (Unit No. 2). Unit No. 1 consists of a Combustion Engineering, Inc., Type CCRR boiler/steam generator and steam turbine which drives a generator with a nameplate rating of 535 (summer)/540 (winter) Megawatts. Unit No. 2 consists of a Combustion Engineering, Inc., Controlled Circulation, Radiant Reheat (CCRR) Type boiler/steam generator and steam turbine which drives a generator with a nameplate rating of 525 (summer)/530 (winter) Megawatts. Units No. 1 and No. 2 share a common stack. E.U. ID No. 007 consists of two mechanical draft helper cooling towers designed with a circulating water flow rate of 660,000 gallons per minute and drift rate of 0.0005% to control PM/PM<sub>10</sub> emissions. Also included in this permit are miscellaneous unregulated and insignificant emissions units and/or activities. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts are permitted to be located at this facility and may be relocated to other Progress Energy Florida, Inc. (PEF) facilities.

Based on the initial Title V permit application received on May 14, 2004, this facility is 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
-001	Fossil Fuel Fired Steam Generator # 1
-002	Fossil Fuel Fired Steam Generator # 2
-007	Mechanical Draft Helper Cooling Towers
7775047-001	Relocatable Diesel Fired Generator(s)

- Unregulated Emissions Units and/or Activities
- 003 Surface Coating and Solvent Cleaning
  - 004 Fuel Storage Tanks
  - 005 Emergency Generators
  - 006 General Purpose Engines

*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 1-2, 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

These documents are on file with the permitting authority:

Initial Title V Permit Application received June 14, 1996.  
Letter from Mr. Scott H. Osbourn dated and received by fax on October 13, 1997.  
Phase II Acid Rain Application submitted on December 14, 1995.  
Petition for Formal Administrative Hearing received September 4, 1997.  
Notice of Withdrawal of Petition for Formal Administrative Hearing received December 15, 1998.  
Letter from Mr. Scott H. Osbourn dated February 11, 1999.  
EPA's Objection Letter dated July 12, 1999.  
Department's response to EPA Objection Letter dated November 24, 1999.  
Air Construction Permit No. 1010017-004-AC issued October 13, 1998.  
Title V Permit Revision Application dated February 11, 2000.  
Letter from the Florida Power Corporation dated May 12, 2000.  
Title V Permit Renewal Application received May 14, 2004.  
Air Construction Permit Application received May 9, 2006.  
Title V Permit Revision Application received July 12, 2006.

## 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 one copy when requested or otherwise appropriate. If desired, a copy of Appendix TV-6, Title V Conditions can be downloaded from the Division of Air Resources Management's Internet Web site located at the following address: <http://www.dep.state.fl.us/air/permitting/tvappendices.htm>}

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 CAA).

a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center  
Post Office Box 1515  
Lanham-Seabrook, MD 20703-1515  
Telephone: 301/429-5018

and,

b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.  
[40 CFR 68]

5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.  
[Rule 62-213.440(1), F.A.C.]

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.  
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]

7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall not store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) 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.]

**8. Not federally enforceable.** Reasonable precautions to prevent emissions of unconfined particulate matter at this facility shall include:

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

[Rule 62-296.320(4)(c)2., F.A.C.; Proposed by applicant in the initial Title V permit application received June 14, 1996]

**9.** When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

**10.** The permittee shall submit all compliance related notifications and reports required of this permit to the Department's Southwest District office:

Department of Environmental Protection  
Southwest District Office  
13051 Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813/632-7600  
Fax: 813/744-6458

**11.** Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency, Region 4  
Air, Pesticides & Toxics Management Division  
Air & EPCRA Enforcement Branch  
Air Enforcement Section  
61 Forsyth Street  
Atlanta, GA 30303-8960  
Phone: 404/562-9155  
Fax: 404/562-9163 or 404/562-9164

**12. Statement of Compliance.** The annual statement of compliance pursuant to Rule 62-213.440(3), F.A.C., shall be submitted within sixty (60) days after the end of the calendar year.

{See Appendix TV-6, Title V Conditions}

[Rule 62-214.420(11), F.A.C.]

**13. Certification by Responsible Official (RO).** In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.

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

**Section III. Emissions Unit(s) and Conditions.**

**Subsection A. This section addresses the following emissions units.**

Emission Unit No.	Emission Unit Description
-001	Fossil Fuel Fired Steam Generator # 1
-002	Fossil Fuel Fired Steam Generator # 2

Fossil fuel fired steam generator # 1 is a nominal 535(summer)/540(winter) megawatt (electric) steam generator designated as Anclote Unit # 1. The emission unit is authorized to fire fuel oils Nos. 1 through No. 6, and on-specification used oil, with a nominal maximum heat input of 4964 MMBtu per hour. Pipeline quality natural gas may be fired alone or co-fired with fuel oil and shall be limited to a nominal maximum heat input of 2300 MMBtu per hour. Unit #1 is authorized to co-fire natural gas with fuel oils Nos. 1 through No. 6, and on-specification used oil, with a nominal maximum heat input of 5073 MMBtu per hour.

Fossil fuel fired steam generator # 2 is a nominal 525(summer)/530(winter) megawatt (electric) steam generator designated as Anclote Unit # 2. The emission unit is authorized to fire fuel oils Nos. 1 through No. 6, and on-specification used oil, with a nominal maximum heat input of 4850 MMBtu per hour. Pipeline quality natural gas may be fired alone or co-fired with fuel oil and shall be limited to a nominal maximum heat input rate of 2300 MMBtu per hour. Unit #2 is authorized to co-fire natural gas with fuel oils Nos. 1 through No. 6, and on-specification used oil, with a nominal maximum heat input of 4957 MMBtu per hour.

Each boiler/steam generator, units #1 and #2, drives a turbine generator and both units share a common 499 foot exhaust stack. Emissions from these units are uncontrolled.

{Permitting note(s): The emissions units are regulated under the Federal Acid Rain Program, and Rule 62-296.405, F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input. Fossil fuel fired steam generator # 1 began commercial operation on October 16, 1974; and, fossil fuel fired steam generator # 2 began commercial operation on October 31, 1978.}

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

**Essential Potential to Emit (PTE) Parameters**

**A.1.1. Permitted Capacity.** The maximum operation heat input rates are as follows:

Unit No.	MMBtu/hr Heat Input	Fuel Type
1	4964	No. 1, 2, 3, 4, 5, or 6 Fuel Oil, & On-Specification Used Oil*
1	2300	Natural Gas
1	5073	Natural Gas co-fired with No. 1, 2, 3, 4, 5, or 6 Fuel Oil, & On-Specification Used Oil
2	4850	No. 1, 2, 3, 4, 5, or 6 Fuel Oil, & On-specification Used Oil
2	2300	Natural Gas
2	4957	Natural Gas co-fired with No. 1, 2, 3, 4, 5, or 6 Fuel Oil, & On-Specification Used Oil

\* The on-specification used oil burned at this facility may be generated on or off-site.  
[Rules 62-4.160(2), 62-210.200(PTE) and 62-296.405, F.A.C.; and, 1010017-004-AC, Specific Condition A.2.]

{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.} [Rule 62-4.160(2), and Rule 62-297.310(2), F.A.C.]

**A.1.2. Low load operation.** To minimize acid smut, at low load operation (less than 80 MW per unit), the use of natural gas shall be at least 40% of the heat input to the unit or 7,000 MMBtu/day, whichever is less.  
[0100017-004-AC, Specific Condition B.6.]

**A.2. Emissions Unit Operating Rate Limitation After Testing.** See specific condition A.22.  
[Rule 62-297.310(2), F.A.C.]

**A.3.1. Methods of Operation. Fuel(s).**

- a. Startup: The only fuels allowed to be burned are pipeline quality natural gas and new No. 6 or lighter grades of fuel oils. On-specification used oil shall only be burned if the PCB's are less than 2 ppm and may be blended with new No. 6 or lighter grades of fuel oil. *Blending as means of achieving the 2-ppm level shall not be allowed.* The maximum sulfur content of fuel oils fired is 1.8 percent, by weight.



b. Normal: The only fuels allowed to be burned are pipeline quality natural gas, new No. 6 or lighter grades of fuel oils, and on-specification used oil. The maximum sulfur content of fuel oils fired is 1.8 percent, by weight.

c. The maximum amount of on-specification used oil, whether generated on or off-site, that can be burned facility-wide shall not exceed 10 percent of the heat input (monthly) or 30 million gallons per year cumulatively.

[Rule 62-213.410, F.A.C.; AO 51-254492A & 1010017-001-AO; and, 1010017-004-AC, Specific Conditions A.4. and B.4.]

**A.3.2. Co-firing with Natural Gas.** Co-firing natural gas with fuel oil having more than 1.8% sulfur content, by weight, as-fired, is prohibited.

[1010017-004-AC, Specific Condition D.3.]

**A.4. Hours of Operation.** These emissions units may operate continuously, i.e., 8,760 hours/year.

[Rule 62-210.200(PTE), F.A.C.]

### **Emission Limitations and Standards**

{Permitting Note: The attached 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 shall not exceed 40 percent opacity. Emissions units governed by this visible emissions standard shall conduct a compliance test for particulate matter emissions annually. Failure of the facility to demonstrate compliance with the particulate matter allowable in specific condition A.7. or the opacity standard of this condition shall constitute grounds for revocation of this condition.

[Rule 62-296.405(1)(a), F.A.C.; and, OGC File Nos. 86-1574 and 86-1575/Orders dated December 11, 1986.]

**A.6. Visible Emissions - Soot Blowing and Load Change.** Visible emissions shall not exceed 60 percent opacity during the 3-hours in any 24 hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change. Visible emissions above 60 percent opacity shall be allowed for not more than 4, six-minute averages during this 3-hour period. A load change occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup or shutdown, which exceeds 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more.

[Rule 62-210.700(3), F.A.C.]

**A.7. Particulate Matter.** Particulate matter emissions shall not exceed 0.1 pound per million Btu heat input, as measured by applicable compliance methods. See specific condition A.18.

{Permitting note: The averaging time for the particulate matter standard corresponds to the cumulative sampling time of the specified test method.}

[Rule 62-296.405(1)(b), F.A.C.]

**A.8. Particulate Matter - Soot Blowing and Load Change.** Particulate matter emissions shall not exceed an average of 0.3 pound per million Btu heat input during the 3-hours in any 24-hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.

{Permitting note: The averaging time for the particulate matter standard corresponds to the cumulative sampling time of the specified test method.}

[Rule 62-210.700(3), F.A.C.]

**A.9. Sulfur Dioxide.** When burning fuel oils, sulfur dioxide emissions shall not exceed 2.75 pounds per million Btu heat input, as measured by applicable compliance methods. See specific conditions A.19. and A.20.

[Rule 62-296.405(1)(c)1.j., F.A.C.]

**A.10. Sulfur Dioxide - Sulfur Content.** The sulfur content of fuel oils, on-specification used oil, or any combination of the two burned in these units, shall not exceed 1.8 percent, by weight, as-fired at the plant. The 12 month rolling average shall not exceed 1.5%, by weight. Co-firing natural gas with fuel oil having more than 1.8% sulfur content, by weight, as-fired, is prohibited. See specific condition A.20.

[Rule 62-296.405(1)(e)3., F.A.C.; 1010017-004-AC, Specific Conditions B.4. and D.3.; and, requested by the applicant in Title V Application dated June 12, 1996.]

#### Excess Emissions

**A.11.** Excess emissions resulting from 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.12.** Excess emissions resulting from startup or shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.

[Rule 62-210.700(2), F.A.C.]

**A.13.** 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.14.1. Sulfur Dioxide.** The permittee elected to demonstrate compliance by accepting a liquid fuel sulfur limit that will be verified with a fuel analysis provided by the vendor or permittee upon each fuel delivery. This protocol is allowed because the emissions units do not have an operating flue gas desulfurization device. See specific conditions A.10., A.19. and A.20.

[Rule 62-296.405(1)(f)1.b., F.A.C.]

**A.14.2.** The following monitoring schedule for No. 1 – 6 fuel oil shall be followed: For all shipments of fuel oil received for the Anclote Power Plant Station, an analysis which reports the sulfur and ash content and heat content (HHV) of the fuel shall be provided by the fuel vendor or other sources which follow the appropriate fuel test methods listed in Specific Condition A.20.1. The analysis record shall specify the origin of the fuel sample, the methods by which the analyses were conducted, the person conducting the sampling and analysis, and the date of sampling and analysis.

[1010017-004-AC, Specific Condition F.2.]

**A.15. 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: The attached 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.16. Visible emissions.** The test method for visible emissions shall be DEP Method 9, incorporated in Chapter 62-297, F.A.C. A transmissometer may be used and calibrated according to Rule 62-297.520, F.A.C. See specific condition A.17.

[Rule 62-296.405(1)(e)1., F.A.C.]

**A.17. DEP Method 9.** The provisions of EPA Method 9 (40 CFR 60, Appendix A) are adopted by reference with the following exceptions:

1. EPA Method 9, Section 2.4, Recording Observations. Opacity observations shall be made and recorded by a certified observer at sequential fifteen second intervals during the required period of observation.

2. EPA Method 9, Section 2.5, Data Reduction. For a set of observations to be acceptable, the observer shall have made and recorded, or verified the recording of, at least 90 percent of the possible individual observations during the required observation period. For single-valued opacity standards (e.g., 20 percent opacity), the test result shall be the highest valid six-minute average for the set of observations taken. For multiple-valued opacity standards (e.g., 20 percent opacity, except that an opacity of 40 percent is permissible for not more than two minutes per hour) opacity shall be computed as follows:

a. For the basic part of the standard (i.e., 20 percent opacity) the opacity shall be determined as specified above for a single-valued opacity standard.

b. For the short-term average part of the standard, opacity shall be the highest valid short-term average (i.e., two-minute, three-minute average) for the set of observations taken. In order to be valid, any required average (i.e., a six-minute or two-minute average) shall be based on all of the valid observations in the sequential subset of observations selected, and the selected subset shall contain at least 90 percent of the observations possible for the required averaging time. Each required average shall be calculated by summing the opacity value of each of the valid observations in the appropriate subset, dividing this sum by the number of valid observations in the subset, and rounding the result to the nearest whole number. The number of missing observations in the subset shall be indicated in parenthesis after the subset average value.

[Rule 62-297.401, F.A.C.]

**A.18. Particulate Matter.** The test methods for particulate emissions shall be EPA Methods 17, 5, 5B, or 5F, incorporated by reference in Chapter 62-297, F.A.C. The minimum sample volume shall be 30 dry standard cubic feet. EPA Method 5 may be used with filter temperature no more than 320 degrees Fahrenheit. For EPA Method 17, stack temperature shall be less than 375 degrees Fahrenheit. The owner or operator may use EPA Method 5 to demonstrate compliance. EPA Method 3 or 3A with Orsat analysis shall be used when the oxygen based F-factor, computed according to EPA Method 19, is used in lieu of heat input. Acetone wash shall be used with EPA Method 5 or 17.

[Rules 62-296.405(1)(e)2. and 62-297.401, F.A.C.]

**A.19. Sulfur Dioxide.** The test methods for sulfur dioxide emissions shall be EPA Methods 6, 6A, 6B, or 6C, incorporated by reference in Chapter 62-297, F.A.C. Fuel sampling and analysis may be used as an alternate sampling procedure if such a procedure is incorporated into the operation permit for the emissions unit. If the emissions unit obtains an alternate procedure under the provisions of Rule 62-297.620, F.A.C., the procedure shall become a condition of the emissions unit's permit. The Department will retain the authority to require EPA Method 6 or 6C if it has reason to believe that exceedances of the sulfur dioxide emissions limiting standard are occurring. Results of an approved fuel sampling and analysis program shall have the same effect as EPA Method 6 test results for purposes of demonstrating compliance or noncompliance with sulfur dioxide standards. **The permittee may use the EPA test methods, referenced above, to demonstrate compliance; however, as an alternate sampling procedure authorized by permit, the permittee elected to demonstrate compliance by accepting a liquid fuel sulfur limit that will be verified with a fuel analysis provided by the vendor upon each fuel delivery.** See specific conditions A.9., A.10. and A.20:

[Rules 62-213.440, 62-296.405(1)(e)3. and 62-297.401, F.A.C.; and, Permits 1010017-001-AO and AO 51-254492A.]

**A.20.1. Sulfur Content of Liquid Fuel.** The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90 (95), ASTM D1552-95, ASTM D1266-91, or both ASTM D4057-88 and ASTM D129-95, or the latest edition(s).

[Rules 62-213.440, 62-296.405(1)(e)3, 62-296.405(1)(f)1.b. and 62-297.440, F.A.C.; and, 1010017-004-AC, Specific Conditions D.3. and D.6.]

**A.20.2. Gross heating value of fuel oil.** All fuel oil delivered to the facility shall be analyzed using ASTM D240-76 (or equivalent) to record the gross heating value (HHV). Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.

[1010017-004-AC, Specific Condition D.5.]

**A.20.3.** Compliance with the liquid fuel sulfur limit shall be verified by a fuel analysis provided by the vendor or obtained by Progress Energy Florida, Inc. (PEF) upon each fuel delivery with the following exception: In cases where No. 6 fuel oil is received with a sulfur content exceeding 1.5%, by weight, and blending is required to obtain a fuel mix equal to the applicable percent sulfur limit, an analysis of a fuel sample representative of fuel from the fuel storage tanks shall be obtained by PEF prior to firing oil at the plant. Reports of percent sulfur content of these analyses shall be maintained at the power plant facility.

[1010017-004-AC, Specific Condition D.6.]

**A.20.4.** The owner or operator shall maintain records of the as-fired oil heating value, density or specific gravity, and the percent sulfur content.  
[1010017-004-AC, Specific Condition D.6.]

**A.21. Required Number of Test Runs.** For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his or her designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20 percent below the allowable emission limiting standards.  
[Rule 62-297.310(1), F.A.C.]

**A.22. Operating Rate During Testing.** Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. 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.  
[Rules 62-297.310(2) & (2)(b), F.A.C.]

**A.23. Calculation of Emission Rate.** The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the separate test runs unless otherwise specified in a particular test method or applicable rule.  
[Rule 62-297.310(3), F.A.C.]

**A.24. Applicable Test Procedures.**

(a) **Required Sampling Time.**

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.

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

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

(b) Minimum Sample Volume. The minimum sample volume per run shall be 30 dry standard cubic feet.

(c) Required Flow Rate Range. For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

(d) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1.

(e) Allowed Modification to EPA Method 5. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube. [Rule 62-297.310(4), F.A.C.]

**A.25. Required Stack Sampling Facilities**. When a mass emissions stack test is required, the permittee shall comply with the requirements contained in Appendix SS-1, Stack Sampling Facilities, attached to this permit. [Rule 62-297.310(6), F.A.C.]

**A.26. 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.

2. For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid for more than 400 hours other than during startup.

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;
- b. Each of the following pollutants, if there is an applicable standard, and if the emissions unit emits or has the potential to emit: 5 tons per year or more of lead or lead compounds measured as elemental lead; or 100 tons per year or more of any other regulated air pollutant.

5. An annual compliance test for particulate matter emissions shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid fuel, other than during startup, for a total of more than 400 hours.

6. 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.

(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]

TABLE 297.310-1  
 CALIBRATION SCHEDULE

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/-0.001" mean of at least three readings Max. deviation between readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually 2. One Point: Semiannually 3. Check after each test series	Spirometer or calibrated wet test or dry gas test meter	2%
		Comparison check	5%



**A.27. Compliance Testing for Visible Emissions.** By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning only liquid fuel(s) for less than 400 hours per year.

[Rule 62-297.310(7)(a)4., F.A.C.]

**A.28. Compliance Testing for PM.** Annual and permit renewal compliance testing for particulate matter emissions is not required for these emissions units while burning only liquid fuel(s) for less than 400 hours per year.

[Rules 62-297.310(7)(a)3. & 5., F.A.C.]

### **Recordkeeping and Reporting Requirements**

**A.29. Excess Emissions Notification.** In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department's Southwest District Office 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's Southwest District Office.

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

**A.30.** Submit to the Department's Southwest District Office a written report of emissions in excess of emission limiting standards as set forth in Rule 62-296.405(1), F.A.C., for each calendar quarter. The nature and cause of the excess emissions shall be explained. This report does not relieve the owner or operator of the legal liability for violations. All recorded data shall be maintained on file by the Source for a period of five years.

[Rules 62-213.440 and 62-296.405(1)(g), F.A.C.]

### **A.31. 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's Southwest District Office on the results of each such test.

(b) The required test report shall be filed with the Department's Southwest District Office as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department's Southwest District Office to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission-limiting standard.

6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.

7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.

8. The date, starting time and duration of each sampling run.

9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.

10. The number of points sampled and configuration and location of the sampling plane.

11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.

12. The type, manufacturer and configuration of the sampling equipment used.

13. Data related to the required calibration of the test equipment.

14. Data on the identification, processing and weights of all filters used.

15. Data on the types and amounts of any chemical solutions used.

16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.

17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.

18. All measured and calculated data required to be determined by each applicable test procedure for each run.

19. The detailed calculations for one run that relate the collected data to the calculated emission rate.

20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rules 62-213.440 and 62-297.310(8), F.A.C.]

**A.32.1. COMS for Periodic Monitoring.** The owner or operator is required to install continuous opacity monitoring systems (COMS) pursuant to 40 CFR Part 75. The owner or operator shall maintain and operate COMS and shall make and maintain records of opacity measured by the COMS, for purposes of periodic monitoring.

[Rule 62-213.440, F.A.C.]

**A.32.2.** The permittee shall install, calibrate, maintain, and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides emissions, sulfur dioxide emissions, and opacity from Units 1 and 2. The continuous emissions monitoring systems must comply with the certification and quality assurance, and other applicable requirements from 40 CFR 75. Periods of startup, shutdown, malfunction, and fuel switching shall be monitored, recorded, and reported as excess emissions when emission levels exceed the standards in Specific Conditions **A.5.**, **A.7.**, and **A.10.** following the format of 40 CFR 60.7.

[1010017-004-AC, Specific Condition F.1.]

#### **Additional limitations for On-Specification Used Oil**

**A.33.** On-specification used oil generated at this facility or off-site may only be burned in these emissions units if compliance with all the conditions of this permit and the following additional conditions are demonstrated:

- a. **On-specification Used Oil Allowed as Fuel:** This permit allows the burning of used fuel

oil meeting EPA "on-specification" used oil specifications, with a maximum sulfur content of 2.5 percent, by weight, and a PCB concentration of less than 50 ppm. On-specification used oil shall meet the following specifications [40 CFR 279, Subpart B.]

1. Arsenic shall not exceed 5.0 ppm;
2. Cadmium shall not exceed 2.0 ppm;
3. Chromium shall not exceed 10.0 ppm;
4. Lead shall not exceed 100.0 ppm;
5. Total halogens shall not exceed 1000 ppm;
6. Flash point shall not be less than 100 degrees F.

Used oil that does not meet the specifications for on-specification used oil shall not be burned at this facility.

b. Quantity Limited: The maximum amount of on-specification used oil, whether generated on or off-site, that can be burned facility-wide shall not exceed 10 percent of the heat input (monthly) or 30 million gallons per year cumulatively.

c. Used Oil Containing PCBs  $\geq$  50 ppm Not Allowed: Used oil containing a PCB concentration of 50 ppm or greater shall not be burned at this facility. Used oil shall not be blended to meet this requirement or any part of this condition.

d. PCB Concentration of 2 to 50 ppm: On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall be burned only at normal source operating temperatures. On specification used oil with a PCB concentration of 2 to less than 50 ppm shall not be burned during periods of startup or shutdown.

Before accepting from each marketer the first shipment of on-specification used oil with a PCB concentration of 2 to less than 50 ppm, the owner or operator shall provide each marketer with a one-time written and signed notice certifying that the owner or operator will burn the used oil in a qualified combustion device. The notice must state that EPA or a RCRA-delegated state agency has been given a description of the used oil management activities at the facility and that an industrial boiler or furnace will be used to burn the used oil with a PCB concentration of 2 to less than 50 ppm. The description of the used oil management activities shall be submitted to the Administrator, Hazardous Waste Regulation Section, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, FL 32399-2400. [40 CFR 279 and 761.20(e)]

e. Certification Required: The owner or operator shall receive from the marketer, for each load of used oil received, a certification that the used oil meets the specifications for on-specification used oil and contains a PCB concentration of less than 50 ppm. This certification shall also describe the basis for the certification, such as analytical results. Note that a claim that used oil does not contain quantifiable levels of PCBs (that is, that the used oil contains less than 2 ppm of PCBs) must be documented by testing or other information. The first person making the claim that the used oil does not contain PCBs is responsible for furnishing the documentation. The documentation can be tests, personal or special knowledge of the source and composition of the used oil, or a certification from the person generating the used oil claiming that the used oil contains no detectable PCBs.

- f. Testing Required: If the owner or operator does not receive certification from the marketer as described above, the owner or operator shall properly sample and test each load of used oil received for the following parameters:

Arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs\*, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).

Testing (sampling, extraction and analysis) shall be performed using approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods).

\* Testing for PCB's is not necessary if quantifiable levels are less than 2 ppm. (Refer to specific condition A.33.e. above)

If the owner or operator relies on certification from the marketer, the owner or operator shall be responsible for ensuring that the certification complies with all the requirements of this condition and all conditions of this permit:

If the analytical results show that the used oil does not meet the specification for on-specification used oil, or that it contains a PCB concentration greater than or equal to 50 ppm, the owner or operator shall immediately notify and provide the analytical results to the Department's Southwest District Office. The owner or operator shall immediately cease burning the used oil.

- g. Special Recordkeeping Requirements: The owner or operator shall obtain, make, and keep the following records related to the use of used oil: [40 CFR 761.20(e)]

- (1) The gallons of on-specification used oil received and burned each month. (This record shall be completed no later than the fifteenth day of the succeeding month.)
- (2) The total gallons of on-specification used oil burned in the preceding calendar year.
- (3) The name and address of all marketers delivering used oil to the facility.
- (4) Copies of the marketer certifications, if obtained, and any supporting information.
- (5) Documentation that the used oil contains less than 2 ppm PCBs, if claimed, including the name and address of the person making the claim.
- (6) Results of the analyses required above.
- (7) A copy of the notice to EPA and a copy of the one-time written notice provided to each marketer.

The records shall be retained in a form suitable for inspection at the facility by the Department, and shall be retained for 5 years.

- h. Reporting Required: The owner or operator shall submit, with the Annual Operation Report (AOR) form, the total amount of on-specification used oil burned during the previous calendar year to the Southwest District Office.

[Rules 62-4.070(3), 62-212.400(2)(f)1. and 62-213.440, F.A.C.; and, AO 51-254492A & 1010017-001-AO]

**Section III. Emissions Units and Conditions.**

**Subsection B. This section addresses the following emissions units.**

Unit No.	Unit Description
-7775047-001	Relocatable Diesel Fired Generator(s)

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

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

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

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

**Essential Potential to Emit (PTE) Parameters**

**B.1.** These conditions become active and enforceable once PEF has given notification to the SWD of the Department of Environmental Protection, if appropriate, that these units will be relocated to this facility.  
 [Rule 62-4.070(3), F.A.C.; Anclote Power Plant Permit AC'09-202080; and, Initial Title V Permit Application for the Anclote Power Plant received June 14, 1996.]

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

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

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

**B.4. Methods of Operation - Fuels.** Only new low sulfur No. 2 fuel oil shall be fired in the diesel generator(s).  
 [Rule 62-213.410, F.A.C.]

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

#### **Emission Limitations and Standards**

{Permitting Note: The attached Table 1-4, 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.}

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

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

#### **Excess Emissions**

**B.8.** Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]

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

#### **Monitoring of Operations**

**B.10.** The permittee shall demonstrate compliance with the liquid fuel sulfur limit by means of a fuel analysis provided by the vendor or permittee upon each fuel delivery. See specific condition **B.13.**

[Rule 62-213.440, F.A.C.]

**B.11. Determination of Process Variables.**

(a) **Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured

with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

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

### Test Methods and Procedures

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

**B.12.** The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rules 62-296.320(4)(b)4.a. and 62-297.401, F.A.C.]

**B.13.** The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-95, ASTM D1552-95 or equivalent method, or the latest edition(s).

[Rules 62-213.440 and 62-297.440, F.A.C.]

**B.14. Operating Rate During Testing.** Testing of emissions shall be conducted with the generator(s) operating at 90 to 100 percent of the maximum fuel firing rate of 186.3 gallons per hour. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity (i.e., at less than 90 percent of the maximum operation rate allowed by the permit); in this case, subsequent emissions unit operations may be limited to 110 percent of the test load until a new test is conducted, provided however, operations do not exceed 100 percent of the maximum operation rate allowed by the permit. Once the emissions unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Failure to submit the actual operating rate may invalidate the test.

[Rules 62-297.310(2), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

### **B.15. Applicable Test Procedures.**

#### **(a) Required Sampling Time.**

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

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

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

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

(a) General Compliance Testing.

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

a. Did not operate; or

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

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

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

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

9. The owner or operator shall notify the Southwest District Office at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(b) Special Compliance Tests. When the Department of Environmental Protection, 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 appropriate D.E.P. office.

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

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

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

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

**B.18.** After each relocation, each generator shall be tested within 30 days of startup for opacity and the fuel shall be analyzed for the sulfur content. See specific conditions **B.6.**, **B.7.**, **B.10.**, **B.13.**, and **B.14.**

[Rules 62-4.070(3) and 62-297.310(7)(b), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]



**Recordkeeping and Reporting Requirements**

**B.19. Malfunction Reporting.** In the case of excess emissions resulting from malfunctions, the owner or operator shall notify the Southwest District Office of the Department of Environmental Protection 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.  
[Rule 62-210.700(6), F.A.C.]

**B.20. Test Reports.**

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

**B.21.** To demonstrate compliance with specific condition B.5., records shall indicate the daily hours of operation for each diesel generator, the daily hours of operation expressed as "engine-hours", and a cumulative total hours of operation expressed as "engine hours" for each month. The records shall be maintained for a minimum of 5 years and made available to the Southwest District Office upon request.  
[Rules 62-213.440 and 62-297.310(8), F.A.C.; and, Anclote Power Plant Permit AO 09-205952.]

**B.22.** To demonstrate compliance with specific condition B.7., records of the sulfur content, in percent by weight, of all the fuel burned shall be kept based on either vendor provided as-delivered or as-received fuel sample analysis. The records shall be maintained for a minimum of 5 years and made available to the Southwest District Office upon request.  
[Rule 62-297.310(8), F.A.C.; and, AO 09-205952.]

**B.23.** Although these emission units are relocatable, each facility is required to maintain all appropriate records at each site.  
[Rule 62-4.070(3), F.A.C.]

**Section III. Emissions Unit and Conditions.**

**Subsection C. This section addresses the following emissions units.**

E.U. ID No.	Brief Description
-007	Mechanical Draft Helper Cooling Towers

Two Mechanical Draft Helper Cooling Towers have a combined maximum circulation rate of 660,000 GPM. The design air flow is 36,000,000 acfm for both towers (18,000,000 acfm per tower and 1,500,000 acfm per cell). The drift eliminators are designed for a drift rate of no more than 0.0005% of the circulating water flow for each tower.

{Permitting Note: These emissions units are regulated under 62-212.300, F.A.C., General Preconstruction Review Requirements; 62-212.400, F.A.C., Prevention of Significant Deterioration; and Rule 62-296.320, F.A.C.}

**C.1. Hours of Operation:** Each new cooling tower shall not operate more than 4500 hours per calendar year.

[Air Construction Permit No. 1010017-007-AC]

**C.2. Cooling Tower Design:** The cooling tower shall be designed and maintained to achieve a drift rate of no more than 0.0005% of the circulating water flow.

[Air Construction Permit No. 1010017-007-AC; Design]

**C.3. Circulating Water Flow Rate:** Upon request, the applicant shall provide a means for determining the circulating water flow rate through the new cooling tower. [Rule 62-4.070, F.A.C.]

Since this emissions unit is not yet constructed, it is also subject to the requirements in the attached Compliance Plan CP-1.

**Section IV. This section is the Acid Rain Part.**

**Operated by: Florida Power Corporation**

**ORIS code: 8048**

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

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

-001	Fossil Fuel Fired Steam Generator No. 1
-002	Fossil Fuel Fired Steam Generator No. 2

1. The Phase II permit application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these acid rain units must comply with the standard requirements and special provisions set forth in the application listed below:

a. DEP Form No. 62-210.900(1)(a), dated May 14, 2004.

[Chapter 62-213, F.A.C. and Rule 62-214.320, F.A.C.]

2. Sulfur dioxide (SO<sub>2</sub>) allowance allocations for each Acid Rain unit:

Unit No.	Unit	Year	2005	2006	2007	2008	2009
-001	1	SO <sub>2</sub> allowances, under Table 2 of 40 CFR 73	13022*	13022*	13022*	13022*	13022*
-002	2	SO <sub>2</sub> allowances, under Table 2 of 40 CFR 73	12950*	12950*	12950*	12950*	12950*

\*The number of allowances held by an Acid Rain source in a unit account may differ from the number allocated by the USEPA under Table 2 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. Fast-Track Revisions of Acid Rain Parts. Those Acid Rain sources making a change described in Rule 62-214.370(4), F.A.C., may request such changes as provided in Rule 62-213.413, Fast-Track Revisions of Acid Rain Parts.  
[Rules 62-213.413 and 62-214.370(4), F.A.C.]

5. Comments, notes, and justifications: None.

6. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.  
[40 CFR 70.6(a)(4)(i); and, Rule 62-210.200, Definitions - Applicable Requirements, F.A.C.]

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

Progress Energy Florida, Inc.  
Anclote Power Plant

FINAL Permit No. 1010017-008-AV  
Facility ID No. 1010017

**E.U. ID Nos.      Brief Description**

001 Fossil Fuel Fired Steam Generator #1									
Allowable Emissions						Equivalent Emissions		Regulatory Citation(s)	See Permit Condition(s)
Pollutant Name	Fuel(s) *	Hours/ Year *	Standards	lb/ hour	TPY	lb/hour **	TPY **		
Visible Emissions								Rule 62-296.405(1) (a), F.A.C. Rule 62.210.700(3), F.A.C. Order No. 1574	A.5. A.6.
Steady state	F.O.	8760	40% Opacity						
Soot Blowing or Load Changing	F.O.		60% Opacity						
PM Emissions								Rule 62.296.405(1) (b), F.A.C. Rule 62.210.700(3), F.A.C.	A.7. A.8.
Steady State	F.O.	8760	0.1 lb/MMBtu			496	2,174		
Soot Blowing or Load Changing	F.O.		0.3 lb/MMBtu			1,489			
Sulfur Dioxide	F.O.	8760	2.75 lb/MMBtu			13,652	59,796	Rules 62-213.440, 62-296.405(1) (e)3., 62-296.40591) (c)1.1., F.A.C.	A.9. A.10.
	F.O.	8760	2.5% by wt.						

002 Fossil Fuel Fired Steam Generator #2									
Allowable Emissions						Equivalent Emissions		Regulatory Citation(s)	See Permit Condition(s)
Pollutant Name	Fuel(s) *	Hours/ Year *	Standards	lb/ hour	TPY	lb/hour **	TPY **		
Visible Emissions								Rule 62-296.405(1) (a), F.A.C. Rule 62.210.700(3), F.A.C. Order No. 1574	A.5. A.6.
Steady state	F.O.	8760	40% Opacity						
Soot Blowing or Load Changing	F.O.		60% Opacity						
PM Emissions								Rule 62.296.405(1) (b), F.A.C. Rule 62.210.700(3), F.A.C.	A.7. A.8.
Steady State	F.O.	8760	0.1 lb/MMBtu			485	2,124		
Soot Blowing or Load Changing	F.O.		0.3 lb/MMBtu			1,455			
Sulfur Dioxide	F.O.	8760	2.75 lb/MMBtu			13,652	59,796	Rules 62-213.440, 62-296.405(1) (e)3., 62-296.40591) (c)1.1.,	A.9. A.10.
	F.O.	8760	2.5% by wt.						

7775047-001 Relocatable Generator(s)									
Allowable Emissions						Equivalent Emissions		Regulatory Citation(s)	See Permit Condition(s)
Pollutant Name	Fuel(s) *	Hours/ Year *	Standards	lb/ hour	TPY	lb/hour **	TPY **		
Visible Emissions	#2 F.O.	2970	< 20% Opacity					Rule 62-296.320(4) (b)1., F.A.C.	B.6.
Sulfur Dioxide	#2 F.O.	2970	0.50% by wt.					Rule 62-296.320(4) (b)1., F.A.C.	B.7.

\* No. 1, 2, 3, 4, 5, & 6 fuel oil and on-specification used oil. Maximum amount of used oil burned shall not exceed 10 percent of the total heat input (monthly) per emissions unit, or 30 million gallons per year cumulatively at the site.

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

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

**Table 1-2, Summary of Air Pollutant Standards and Terms**

Progress Energy Florida, Inc.  
Anclote Power Plant

Permit No. 1010017-008-AV  
Facility ID No. 1010017

**Additional Standards for On-Specification Used Oil (OSUO)**

**E.U. ID Nos.      Brief Description**

		Allowable Emissions			Regulatory Citation(s)	See Permit Condition(s)
Pollutant Name	Fuel (s)	Hours/Year*	Standards	lbs./hour		
Arsenic	OSUO		5.0 ppm			
Cadmium	OSUO		2.0 ppm			
Chromium	OSUO		10.0 ppm			
Lead	OSUO		100.0 ppm			
Total Halogens	OSUO		1000 ppm			
Flash Point	OSUO		≥ 100 degrees F			
PCB	OSUO		< 49 ppm			
SO <sub>2</sub>			2.5 % by weight			

		Allowable Emissions			Regulatory Citation(s)	See Permit Condition(s)
Pollutant Name	Fuel (s)	Hours/Year*	Standards	lbs./hour		
Arsenic	OSUO		5.0 ppm			
Cadmium	OSUO		2.0 ppm			
Chromium	OSUO		10.0 ppm			
Lead	OSUO		100.0 ppm			
Total Halogens	OSUO		1000 ppm			
Flash Point	OSUO		≥ 100 degrees F			
PCB	OSUO		< 49 ppm			
SO <sub>2</sub>			2.5 % by weight			

\* The maximum quantity of used oil that may be burned in each emissions unit shall not exceed 10 percent of the total heat input (monthly) per emissions unit, or 30 million gallons per year cumulatively at the site.

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

## Table 2-1, Summary of Compliance Requirements

Progress Energy Florida, Inc.  
Anclote Power Plant

FINAL Permit No. 1010017-008-AV  
Facility ID No. 1010017

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

E.U. Nos. 001 & 002. Fossil Fuel Fired Steam Generators #1 & #2

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time or Frequency	Frequency Base Date <sup>1</sup>	Min. Compliance Test Time	CMS <sup>2</sup>	See Permit Condition(s)
Visible Emissions Steady State Soot Blowing or Load Changing	F.O. F.O.	DEP Method 9 DEP Method 9	Annual Annual	#1-within 60 days of Jul. 28 #2-within 60 days of Aug. 24	1 hour 1 hour	NA	A.16., A.17. A.16., A.17.
Particulate Matter Steady State Soot Blowing or Load Changing	F.O. F.O.	EPA Methods 17 <sup>3</sup> , 5, 5B, 5F	Annual Annual	#1-within 60 days of Jul. 28 #2-within 60 days of Aug. 24	3 hour	NA	A.18. A.18.
Sulfur Dioxide	F.O.	Fuel sampling and analysis	Each Delivery	Each Delivery	NA	NA	A.14., A.19., A.20.
Arsenic, Cadmium, Chromium, Lead, Total Halogens, Flash Point, PCB	OSUO <sup>4</sup>	SW 846 <sup>5</sup>	Each Delivery	Each Delivery	NA	NA	A.32.

1 - Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.

2 - Continuous Monitoring System.

3 - EPA Method 17 may be used only if the stack gas exit temperature is less than 375 degrees F.

4 - On-Specification Used Oil.

5 - EPA Publication, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods.

**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, are exempt from the permitting requirements of Chapters 62-210 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 Rule 62-210.300(3)(a), 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 Rule 62.210.300(3)(a), 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.

1	Lube Oil System Vents
2	Lube Oil Reservoir Tank
3	Parts Washers/Degreasers
4	Waste Oil Storage Tanks
5	Portable Unleaded Gasoline Tank
6	Evaporation of non-hazardous boiler cleaning chemical
7	No. 2 Diesel Fuel Tank



Florida Power Corporation  
dba Progress Energy Florida, Inc.  
Anclote Power Plant

Permit No. 1010017-008-AV

**Appendix U-1. List of Unregulated Emissions 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 units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

<b>Emissions Unit</b>	<b>Description</b>
-003	Surface Coating and Solvent Cleaning
-004	Fuel Storage Tanks
-005	Emergency Generators
-006	General Purpose Engines
-007	Helper Cooling Towers

## Appendix H-1, Permit History/ID Number Changes

Florida Power Corporation dba Progress Energy Florida, Inc.  
Anclote Power Plant

PROPOSED Permit No.: 1010017-008-AV  
Facility ID No.: 1010017

### Permit History (for tracking purposes):

Permit ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date(s)	Revised Date(s)
-001	Fossil Fuel Fired Steam Generator # 1	AO51-254492	03/7/1995	03/6/1999		
		AO51-254492A	1/31/1996	03/6/2000		
		1010017-004-AC	10/13/98	12/1/1999		
		1010017-003-AV	1/1/2000	12/31/2004		
		1010017-006-AV	1/1/2005	12/31/2009		
-002	Fossil Fuel Fired Steam Generator # 2	AO51-169340	12/21/1989	12/18/1994	08/14/1996	01/31/1996
		1010017-001-AO	01/31/1996	12/31/2004		
		1010017-004-AC	10/13/98	12/1/1999		
		1010017-003-AV	1/1/2000	12/31/2004		
		1010017-006-AV	1/1/2005	12/31/2009		
-007	Helper Cooling Towers	1010017-007-AC	10/17/2006	11/1/2009		
		1010017-008-AV	12/13/2006	12/31/2009		

### ID Number Changes (for tracking purposes):

From: Facility ID No.: 40TPA510017

To: Facility ID No.: 1010017

### Notes:

1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.

2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.

{Rule 62-213.420(1)(b)2., F.A.C., allows Title V Sources to operate under existing valid permits that were in effect at the time of application until the Title V permit becomes effective}

## APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)

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Stack Sampling Facilities Provided by the Owner of an Emissions Unit. This section describes the minimum requirements for stack sampling facilities that are necessary to sample point emissions units. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. Emissions units must provide these facilities at their expense. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

(a) Permanent Test Facilities. The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.

(b) Temporary Test Facilities. The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

(c) Sampling Ports.

1. All sampling ports shall have a minimum inside diameter of 3 inches.

2. The ports shall be capable of being sealed when not in use.

3. The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, constriction or other flow disturbance.

4. For emissions units for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For emissions units for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.

5. On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.

(d) Work Platforms.

1. Minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.

2. On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.

3. On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.

4. All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toeboard, and hinged floor-opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.

(e) Access to Work Platform.

**APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)**  
**(continued)**

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1. Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arresters with a minimum of 3 compatible safety belts available for use by sampling personnel.

2. Walkways over free-fall areas shall be equipped with safety rails and toeboards.

**(f) Electrical Power.**

1. A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.

2. If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.

**(g) Sampling Equipment Support.**

1. A three-quarter inch eyebolt and an angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts.

a. The bracket shall be a standard 3 inch x 3 inch x one-quarter inch equal-legs bracket which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.

b. A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.

c. The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.

2. A complete monorail or dualrail arrangement may be substituted for the eyebolt and bracket.

3. When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.

[Rule 62-297.310(6), F.A.C.]

## APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06)

[Note: This attachment includes "canned conditions" developed from the "Title V Core List."]

{Permitting note: APPENDIX TV-6, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}

### Chapter 62-4, F.A.C.

1. **Not federally enforceable. General Prohibition.** Any stationary installation which will reasonably be expected to be a source of pollution shall not be operated, maintained, constructed, expanded, or modified without the appropriate and valid permits issued by the Department, unless the source is exempted by Department rule. The Department may issue a permit only after it receives reasonable assurance that the installation will not cause pollution in violation of any of the provisions of Chapter 403, F.S., or the rules promulgated thereunder. A permitted installation may only be operated, maintained, constructed, expanded or modified in a manner that is consistent with the terms of the permit.

[Rule 62-4.030, Florida Administrative Code (F.A.C.); and, Section 403.087, Florida Statute (F.S.)]

2. **Not federally enforceable. Procedures to Obtain Permits and Other Authorizations: Applications.**

(1) Any person desiring to obtain a permit from the Department shall apply on forms prescribed by the Department and shall submit such additional information as the Department by law may require.

(2) All applications and supporting documents shall be filed in quadruplicate with the Department.

(3) To ensure protection of public health, safety, and welfare, any construction, modification, or operation of an installation which may be a source of pollution, shall be in accordance with sound professional engineering practices pursuant to Chapter 471, F.S. All applications for a Department permit shall be certified by a professional engineer registered in the State of Florida except, when the application is for renewal of an air pollution operation permit at a non-Title V source as defined in Rule 62-210.200, F.A.C., or where professional engineering is not required by Chapter 471, F.S. Where required by Chapter 471 or 492, F.S., applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

(4) Processing fees for air construction permits shall be in accordance with Rule 62-4.050(4), F.A.C.

(5)(a) To be considered by the Department, each application must be accompanied by the proper processing fee. The fee shall be paid by check, payable to the Department of Environmental Protection. The fee is non-refundable except as provided in Section 120.60, F.S., and in this section.

(b) When an application is received without the required fee, the Department shall acknowledge receipt of the application and shall immediately notify the applicant by certified mail that the required fee was not received and advise the applicant of the correct fee. The Department shall take no further action until the correct fee is received. If a fee was received by the Department which is less than the amount required, the Department shall return the fee along with the written notification.

(c) Upon receipt of the proper application fee, the permit processing time requirements of Sections 120.60(2) and 403.0876, F.S., shall begin.

(d) If the applicant does not submit the required fee within ten days of receipt of written notification, the Department shall either return the unprocessed application or arrange with the applicant for the pick up of the application.

(e) If an applicant submits an application fee in excess of the required fee, the permit processing time requirements of Sections 120.60(2) and 403.0876, F.S., shall begin upon receipt, and the Department shall refund to the applicant the amount received in excess of the required fee.

(6) Any substantial modification to a complete application shall require an additional processing fee determined pursuant to the schedule set forth in Rule 62-4.050, F.A.C., and shall restart the time requirements of Sections 120.60 and 403.0876, F.S. For purposes of this subsection, the term "substantial modification" shall mean a modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review.

(7) Modifications to existing permits proposed by the permittee which require substantial changes in the existing permit or require substantial evaluation by the Department of potential impacts of the proposed modifications shall require the same fee as a new application for the same time duration except for modification under Chapter 62-45, F.A.C.

[Rule 62-4.050, F.A.C.]

APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06) (continued)

3. Standards for Issuing or Denying Permits. Except as provided at Rule 62-213.460, F.A.C., the issuance of a permit does not relieve any person from complying with the requirements of Chapter 403, F.S.; or Department rules.  
[Rule 62-4.070(7), F.A.C.]

4. Modification of Permit Conditions.

(1) For good cause and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions and on application of the permittee the Department may grant additional time. For the purpose of this section, good cause shall include, but not be limited to, any of the following: (also, see Condition No. 38.)

- (a) A showing that an improvement in effluent or emission quality or quantity can be accomplished because of technological advances without unreasonable hardship.
- (b) A showing that a higher degree of treatment is necessary to effect the intent and purpose of Chapter 403, F.S.
- (c) A showing of any change in the environment or surrounding conditions that requires a modification to conform to applicable air or water quality standards.
- (e) Adoption or revision of Florida Statutes, rules, or standards which require the modification of a permit condition for compliance.

(2) A permittee may request a modification of a permit by applying to the Department.

(3) A permittee may request that a permit be extended as a modification of the permit. Such a request must be submitted to the Department in writing before the expiration of the permit. Upon timely submittal of a request for extension, unless the permit automatically expires by statute or rule, the permit will remain in effect until final agency action is taken on the request. For construction permits, an extension shall be granted if the applicant can demonstrate reasonable assurances that, upon completion, the extended permit will comply with the standards and conditions required by applicable regulation. For all other permits, an extension shall be granted if the applicant can demonstrate reasonable assurances that the extended permit will comply with the standards and conditions applicable to the original permit. A permit for which the permit application fee was prorated in accordance with Rule 62-4.050(4)(v), F.A.C., shall not be extended. In no event shall a permit be extended or remain in effect longer than the time limits established by statute or rule.

[Rule 62-4.080, F.A.C.]

5. Renewals. Prior to 180 days before the expiration of a permit issued pursuant to Chapter 62-213, F.A.C., the permittee shall apply for a renewal of a permit using forms incorporated by reference in the specific rule chapter for that kind of permit. A renewal application shall be timely and sufficient. If the application is submitted prior to 180 days before expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the Department or, if there is court review of the Department's final agency action, until a later date is required by Section 120.60, F.S., provided that, for renewal of a permit issued pursuant to Chapter 62-213, F.A.C., the applicant complies with the requirements of Rules 62-213.420(1)(b)3. and 4., F.A.C.

[Rule 62-4.090, F.A.C.]

6. Suspension and Revocation.

(1) Permits shall be effective until suspended, revoked, surrendered, or expired and shall be subject to the provisions of Chapter 403, F.S., and rules of the Department.

(2) Failure to comply with pollution control laws and rules shall be grounds for suspension or revocation.

(3) A permit issued pursuant to Chapter 62-4, F.A.C., shall not become a vested property right in the permittee. The Department may revoke any permit issued by it if it finds that the permit holder or his agent:

- (a) Submitted false or inaccurate information in his application or operational reports.
- (b) Has violated law, Department orders, rules or permit conditions.
- (c) Has failed to submit operational reports or other information required by Department rules.
- (d) Has refused lawful inspection under Section 403.091, F.S.

(4) No revocation shall become effective except after notice is served by personal services, certified mail, or newspaper notice pursuant to Section 120.60(7), F.S., upon the person or persons named therein and a hearing held if requested within the time specified in the notice. The notice shall specify the provision of the law, or rule alleged to be violated, or the permit condition or Department order alleged to be violated, and the facts alleged to constitute a violation thereof.

[Rule 62-4.100, F.A.C.]

7. **Not federally enforceable.** Financial Responsibility. The Department may require an applicant to submit proof of financial responsibility and may require the applicant to post an appropriate bond to guarantee compliance with the law and Department rules. [Rule 62-4.110, F.A.C.]

8. Transfer of Permits.

(1) Within 30 days after the sale or legal transfer of a permitted facility, an "Application for Transfer of Permit" (DEP Form 62-1.201(1)) must be submitted to the Department. This form must be completed with the notarized signatures of both the permittee and the proposed new permittee. For air permits, an "Application for Transfer of Air Permit" (DEP Form 62-210.900(7)) shall be submitted.

(2) The Department shall approve the transfer of a permit unless it determines that the proposed new permittee cannot provide reasonable assurances that conditions of the permit will be met. The determination shall be limited solely to the ability of the new permittee to comply with the conditions of the existing permit, and it shall not concern the adequacy of these permit conditions. If the Department proposes to deny the transfer, it shall provide both the permittee and the proposed new permittee a written objection to such transfer together with notice of a right to request a Chapter 120, F.S., proceeding on such determination.

(3) Within 30 days of receiving a properly completed Application for Transfer of Permit form, the Department shall issue a final determination. The Department may toll the time for making a determination on the transfer by notifying both the permittee and the proposed new permittee that additional information is required to adequately review the transfer request. Such notification shall be served within 30 days of receipt of an Application for Transfer of Permit form, completed pursuant to Rule 62-4.120(1), F.A.C. If the Department fails to take action to approve or deny the transfer within 30 days of receipt of the completed Application for Transfer of Permit form, or within 30 days of receipt of the last item of timely requested additional information, the transfer shall be deemed approved.

(4) The permittee is encouraged to apply for a permit transfer prior to the sale or legal transfer of a permitted facility. However, the transfer shall not be effective prior to the sale or legal transfer.

(5) Until this transfer is approved by the Department, the permittee and any other person constructing, operating, or maintaining the permitted facility shall be liable for compliance with the terms of the permit. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations occurring prior to the sale or legal transfer of the facility.

[Rule 62-4.120, F.A.C.]

9. Plant Operation-Problems. If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules. (also, see Condition No. 10.)

[Rule 62-4.130, F.A.C.]

10. For purposes of notification to the Department pursuant to Condition No. 9., Condition No. 12.(8), and Rule 62-4.130, F.A.C., Plant Operation-Problems, "immediately" shall mean the same day, if during a workday (i.e., 8:00 a.m. - 5:00 p.m.), or the first business day after the incident, excluding weekends and holidays; and, for purposes of 40 CFR 70.6(a)(3)(iii)(B), "prompt" shall have the same meaning as "immediately". [also, see Conditions Nos. 9. and 12.(8).]

[40 CFR 70.6(a)(3)(iii)(B)]

11. **Not federally enforceable.** Review. Failure to request a hearing within 14 days of receipt of notice of proposed or final agency action on a permit application or as otherwise required in Chapter 62-103, F.A.C., shall be deemed a waiver of the right to an administrative hearing.

[Rule 62-4.150, F.A.C.]

12. Permit Conditions. All permits issued by the Department shall include the following general conditions:

(1) The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06) (continued)

- (2) This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- (3) As provided in Subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
- (4) This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- (5) This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.
- (6) The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- (7) The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
- (a) Have access to and copy any records that must be kept under conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
- (8) If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information: (also, see Condition No. 10.)
- (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
- (9) In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- (10) The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- (11) This permit is transferable only upon Department approval in accordance with Rule 62-4.120, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- (12) This permit or a copy thereof shall be kept at the work site of the permitted activity.
- (14) The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least five (5) years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    1. The date, exact place, and time of sampling or measurements;
    2. The person responsible for performing the sampling or measurements;
    3. The dates analyses were performed;
    4. The person responsible for performing the analyses;



APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06) (continued)

5. The analytical techniques or methods used;
6. The results of such analyses.

(15) When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.  
[Rules 62-4.160 and 62-213.440(1)(b), F.A.C.]

13. Construction Permits.

(1) No person shall construct any installation or facility which will reasonably be expected to be a source of air or water pollution without first applying for and receiving a construction permit from the Department unless exempted by statute or Department rule. In addition to the requirements of Chapter 62-4, F.A.C., applicants for a Department Construction Permit shall submit the following as applicable:

- (a) A completed application on forms furnished by the Department.
- (b) An engineering report covering:
  1. Plant description and operations,
  2. Types and quantities of all waste material to be generated whether liquid, gaseous or solid,
  3. Proposed waste control facilities,
  4. The treatment objectives,
  5. The design criteria on which the control facilities are based, and
  6. Other information deemed relevant.

Design criteria submitted pursuant to Rule 62-4.210(1)(b)5., F.A.C., shall be based on the results of laboratory and pilot-plant scale studies whenever such studies are warranted. The design efficiencies of the proposed waste treatment facilities and the quantities and types of pollutants in the treated effluents or emissions shall be indicated. Work of this nature shall be subject to the requirements of Chapter 471, F.S. Where confidential records are involved, certain information may be kept confidential pursuant to Section 403.111, F.S.

- (c) The owners' written guarantee to meet the design criteria as accepted by the Department and to abide by Chapter 403, F.S., and the rules of the Department as to the quantities and types of materials to be discharged from the installation. The owner may be required to post an appropriate bond or other equivalent evidence of financial responsibility to guarantee compliance with such conditions in instances where the owner's financial resources are inadequate or proposed control facilities are experimental in nature.

(2) The construction permit may contain conditions and an expiration date as determined by the Secretary or the Secretary's designee.

(3) When the Department issues a permit to construct, the permittee shall be allowed a period of time, specified in the permit, to construct, and to operate and test to determine compliance with Chapter 403, F.S., and the rules of the Department and, where applicable, to apply for and receive an operation permit. The Department may require tests and evaluations of the treatment facilities by the permittee at his/her expense.

[Rule 62-4.210, F.A.C.]

14. **Not federally enforceable.** Operation Permit for New Sources. To properly apply for an operation permit for new sources the applicant shall submit the appropriate fee and certification that construction was completed, noting any deviations from the conditions in the construction permit and test results where appropriate.

[Rule 62-4.220, F.A.C.]

Chapters 28-106 and 62-110, F.A.C.

15. Public Notice, Public Participation, and Proposed Agency Action. The permittee shall comply with all of the requirements for public notice, public participation, and proposed agency action pursuant to Rules 62-110.106 and 62-210.350, F.A.C.  
[Rules 62-110.106, 62-210.350 and 62-213.430(1)(b), F.A.C.]

16. Administrative Hearing. The permittee shall comply with all of the requirements for a petition for administrative hearing or waiver of right to administrative proceeding pursuant to Rules 28-106.201, 28-106.301 and 62-110.106, F.A.C.  
[Rules 28-106.201, 28-106.301 and 62-110.106, F.A.C.]

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Chapter 62-204, F.A.C.

17. Asbestos. This permit does not authorize any demolition or renovation of the facility or its parts or components which involves asbestos removal. This permit does not constitute a waiver of any of the requirements of Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, National Emission Standard for Asbestos, adopted and incorporated by reference in Rule 62-204.300, F.A.C. Compliance with Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, Section 61.145, is required for any asbestos demolition or renovation at the source.

[40 CFR 61; Rule 62-204.800, F.A.C.; and, Chapter 62-257, F.A.C.]

Chapter 62-210, F.A.C.

18. Permits Required. Unless exempted from permitting pursuant to Rule 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., or unless specifically authorized by provision of Rule 62-210.300(4), F.A.C., or Rule 62-213.300, F.A.C., the owner or operator of any facility or emissions unit which emits or can reasonably be expected to emit any air pollutant shall obtain an appropriate permit from the Department prior to beginning construction, reconstruction pursuant to 40 CFR 60.15 or 63.2, modification, or the addition of pollution control equipment; or to authorize initial or continued operation of the emissions unit; or to establish a PAL or Air Emissions Bubble. All emissions limitations, controls, and other requirements imposed by such permits shall be at least as stringent as any applicable limitations and requirements contained in or enforceable under the State Implementation Plan (SIP) or that are otherwise federally enforceable. Except as provided at Rule 62-213.460, F.A.C., issuance of a permit does not relieve the owner or operator of a facility or an emissions unit from complying with any applicable requirements, any emission limiting standards or other requirements of the air pollution rules of the Department or any other such requirements under federal, state, or local law.

(1) Air Construction Permits.

(a) Unless exempt from permitting pursuant to Rule 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to 40 CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of Chapter 62-210, F.A.C., Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C. Except as provided under Rule 62-213.415, F.A.C., the owner or operator of any facility seeking to create or change an air emissions bubble shall obtain an air construction permit in accordance with all the applicable provisions of Chapter 62-210, F.A.C., Chapters 62-212 and 62-4, F.A.C. The construction permit shall be issued for a period of time sufficient to allow construction, reconstruction or modification of the facility or emissions unit or addition of the air pollution control equipment; and operation while the owner or operator of the new, reconstructed or modified facility or emissions unit or the new pollution control equipment is conducting tests or otherwise demonstrating initial compliance with the conditions of the construction permit.

(b) Notwithstanding the expiration of an air construction permit, all limitations and requirements of such permit that are applicable to the design and operation of the permitted facility or emissions unit shall remain in effect until the facility or emissions unit is permanently shut down, except for any such limitation or requirement that is obsolete by its nature (such as a requirement for initial compliance testing) or any such limitation or requirement that is changed in accordance with the provisions of Rule 62-210.300(1)(b)1., F.A.C. Either the applicant or the Department can propose that certain conditions be considered obsolete. Any conditions or language in an air construction permit that are included for informational purposes only, if they are transferred to the air operation permit, shall be transferred for informational purposes only and shall not become enforceable conditions unless voluntarily agreed to by the permittee or otherwise required under Department rules.

1. Except for those limitations or requirements that are obsolete, all limitations and requirements of an air construction permit shall be included and identified in any air operation permit for the facility or emissions unit. The limitations and requirements included in the air operation permit can be changed, and thereby superseded, through the issuance of an air construction permit, federally enforceable state air operation permit, federally enforceable air general permit, or Title V air operation permit; provided, however, that:

- a. Any change that would constitute an administrative correction may be made pursuant to Rule 62-210.360, F.A.C.;
- b. Any change that would constitute a modification, as defined at Rule 62-210.200, F.A.C., shall be accomplished only through the issuance of an air construction permit; and
- c. Any change in a permit limitation or requirement that originates from a permit issued pursuant to 40 CFR 52.21, Rule 62-204.800(1)(d)2., F.A.C., Rule 62-212.400, F.A.C., Rule 62-212.500, F.A.C., or any former codification of Rule 62-212.400 or Rule 62-212.500, F.A.C., shall be accomplished only through the issuance of a new or revised air construction permit under Rule 62-204.800(1)(d)2., Rule 62-212.400 or Rule 62-212.500, F.A.C., as appropriate.

2. The force and effect of any change in a permit limitation or requirement made in accordance with the provisions of Rule 62-210.300(1)(b)1., F.A.C., shall be the same as if such change were made to the original air construction permit.

3. Nothing in Rule 62-210.300(1)(b), F.A.C., shall be construed as to allow operation of a facility or emissions unit without a valid air operation permit.

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(2) **Air Operation Permits.** Upon expiration of the air operation permit for any existing facility or emissions unit, subsequent to construction or modification, or subsequent to the creation of or change to a bubble, and demonstration of compliance with the conditions of the construction permit for any new or modified facility or emissions unit, any air emissions bubble, or as otherwise provided in Chapter 62-210, F.A.C., or Chapter 62-213, F.A.C., the owner or operator of such facility or emissions unit shall obtain a renewal air operation permit, an initial air operation permit or air general permit, or an administrative correction or revision of an existing air operation permit, whichever is appropriate, in accordance with all applicable provisions of Chapter 62-210, F.A.C., Chapter 62-213, F.A.C., and Chapter 62-4, F.A.C.

(a) **Minimum Requirements for All Air Operation Permits.** At a minimum, a permit issued pursuant to this subsection shall:

1. Specify the manner, nature, volume and frequency of the emissions permitted, and the applicable emission limiting standards or performance standards, if any;
2. Require proper operation and maintenance of any pollution control equipment by qualified personnel, where applicable in accordance with the provisions of any operation and maintenance plan required by the air pollution rules of the Department.
3. Contain an effective date stated in the permit which shall not be earlier than the date final action is taken on the application and be issued for a period, beginning on the effective date, as provided below.

a. The operation permit for an emissions unit which is in compliance with all applicable rules and in operational condition, and which the owner or operator intends to continue operating, shall be issued or renewed for a five-year period, except that, for Title V sources subject to Rule 62-213.420(1)(a)1., F.A.C., operation permits shall be extended until 60 days after the due date for submittal of the facility's Title V permit application as specified in Rule 62-213.420(1)(a)1., F.A.C.

b. Except as provided in Rule 62-210.300(2)(a)3.d., F.A.C., the operation permit for an emissions unit which has been shut down for six months or more prior to the expiration date of the current operation permit, shall be renewed for a period not to exceed five years from the date of shutdown, even if the emissions unit is not maintained in operational condition, provided:

- (i) the owner or operator of the emissions unit demonstrates to the Department that the emissions unit may need to be reactivated and used, or that it is the owner's or operator's intent to apply to the Department for a permit to construct a new emissions unit at the facility before the end of the extension period; and
- (ii) the owner or operator of the emissions unit agrees to and is legally prohibited from providing the allowable emission permitted by the renewed permit as an emissions offset to any other person under Rule 62-212.500, F.A.C.; and
- (iii) the emissions unit was operating in compliance with all applicable rules as of the time the source was shut down.

c. Except as provided in Rule 62-210.300(2)(a)3.d., F.A.C., the operation permit for an emissions unit which has been shut down for five years or more prior to the expiration date of the current operation permit shall be renewed for a maximum period not to exceed ten years from the date of shutdown, even if the emissions unit is not maintained in operational condition, provided the conditions given in Rule 62-210.300(2)(a)3.b., F.A.C., are met and the owner or operator demonstrates to the Department that failure to renew the permit would constitute a hardship, which may include economic hardship.

d. The operation permit for an electric utility generating unit on cold standby or long-term reserve shutdown shall be renewed for a five-year period, and additional five-year periods, even if the unit is not maintained in operational condition, provided the conditions given in Rules 62-210.300(2)(a)3.b.(i) through (iii), F.A.C., are met.

4. In the case of an emissions unit permitted pursuant to Rules 62-210.300(2)(a)3.b., c., and d., F.A.C., include reasonable notification and compliance testing requirements for reactivation of such emissions unit and provide that the owner or operator demonstrate to the Department prior to reactivation that such reactivation would not constitute reconstruction pursuant to Rule 62-204.800(8), F.A.C.

[Rules 62-210.300(1) & (2), F.A.C.]

19. **Not federally enforceable. Notification of Startup.** The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.

- (a) The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.

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(b) If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.

[Rule 62-210.300(5), F.A.C.]

20. Emissions Unit Reclassification.

(a) Any emissions unit whose operation permit has been revoked as provided for in Chapter 62-4, F.A.C., shall be deemed permanently shut down for purposes of Rule 62-212.500, F.A.C. Any emissions unit whose permit to operate has expired without timely renewal or transfer may be deemed permanently shut down, provided, however, that no such emissions unit shall be deemed permanently shut down if, within 20 days after receipt of written notice from the Department, the emissions unit owner or operator demonstrates that the permit expiration resulted from inadvertent failure to comply with the requirements of Rule 62-4.090, F.A.C., and that the owner or operator intends to continue the emissions unit in operation, and either submits an application for an air operation permit or complies with permit transfer requirements, if applicable.

(b) If the owner or operator of an emissions unit which is so permanently shut down, applies to the Department for a permit to reactivate or operate such emissions unit, the emissions unit will be reviewed and permitted as a new emissions unit.

[Rule 62-210.300(6), F.A.C.]

21. Transfer of Air Permits.

(a) An air permit is transferable only after submission of an Application for Transfer of Air Permit (DEP Form 62-210.900(7)) and Department approval in accordance with Rule 62-4.120, F.A.C. For Title V permit transfers only, a complete application for transfer of air permit shall include the requirements of 40 CFR 70.7(d)(1)(iv), adopted and incorporated by reference at Rule 62-204.800, F.A.C. Within 30 days after approval of the transfer of permit, the Department shall update the permit by an administrative permit correction pursuant to Rule 62-210.360, F.A.C.

(b) For an air general permit, the provision of Rules 62-210.300(7)(a) and 62-4.120, F.A.C., do not apply. Thirty (30) days before using an air general permit, the new owner must submit an air general permit notification to the Department in accordance with Rule 62-210.300(4), F.A.C., or Rule 62-213.300(2)(b), F.A.C.

[Rule 62-210.300(7), F.A.C.]

22. Public Notice and Comment.

(1) Public Notice of Proposed Agency Action.

(a) A notice of proposed agency action on permit application, where the proposed agency action is to issue the permit, shall be published by any applicant for:

1. An air construction permit;
2. An air operation permit, permit renewal or permit revision subject to Rule 62-210.300(2)(b), F.A.C., (i.e., a FESOP), except as provided in Rule 62-210.300(2)(b)1.b., F.A.C.; or
3. An air operation permit, permit renewal, or permit revision subject to Chapter 62-213, F.A.C., except Title V air general permits or those permit revisions meeting the requirements of Rule 62-213.412(1), F.A.C.

(b) The notice required by Rule 62-210.350(1)(a), F.A.C., shall be published in accordance with all otherwise applicable provisions of Rule 62-110.106, F.A.C. A public notice under Rule 62-210.350(1)(a)1., F.A.C., for an air construction permit may be combined with any required public notice under Rule 62-210.350(1)(a)2. or 3., F.A.C., for air operation permits. If such notices are combined, the public notice must comply with the requirements for both notices.

(c) Except as otherwise provided at Rules 62-210.350(2), (5), and (6), F.A.C., each notice of intent to issue an air construction permit shall provide a 14-day period for submittal of public comments.

(2) Additional Public Notice Requirements for Emissions Units Subject to Prevention of Significant Deterioration or Nonattainment - Area Preconstruction Review.

(a) Before taking final agency action on a construction permit application for any proposed new or modified facility or emissions unit subject to the preconstruction review requirements of Rule 62-212.400 or 62-212.500, F.A.C., the Department shall comply with all applicable provisions of Rule 62-110.106, F.A.C., and provide an opportunity for public comment which shall include as a minimum the following:

1. A complete file available for public inspection in at least one location in the district affected which includes the information submitted by the owner or operator, exclusive of confidential records under Section 403.111, F.S., and the Department's analysis of the effect of the proposed construction or modification on ambient air quality, including the Department's preliminary determination of whether the permit should be approved or disapproved;
2. A 30-day period for submittal of public comments; and

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3. A notice, by advertisement in a newspaper of general circulation in the county affected, specifying the nature and location of the proposed facility or emissions unit, whether BACT or LAER has been determined, the degree of PSD increment consumption expected, if applicable, and the location of the information specified in paragraph 1. above; and notifying the public of the opportunity for submitting comments and requesting a public hearing.
- (b) The notice provided for in Rule 62-210.350(2)(a)3., F.A.C., shall be prepared by the Department and published by the applicant in accordance with all applicable provisions of Rule 62-110.106, F.A.C., except that the applicant shall cause the notice to be published no later than thirty (30) days prior to final agency action.
- (c) A copy of the notice provided for in Rule 62-210.350(2)(a)3., F.A.C., shall also be sent by the Department to the Regional Office of the U. S. Environmental Protection Agency and to all other state and local officials or agencies having cognizance over the location of such new or modified facility or emissions unit, including local air pollution control agencies, chief executives of city or county government, regional land use planning agencies, and any other state, Federal Land Manager, or Indian Governing Body whose lands may be affected by emissions from the new or modified facility or emissions unit.
- (d) A copy of the notice provided for in Rule 62-210.350(2)(a)3., F.A.C., shall be displayed in the appropriate district, branch and local program offices.
- (e) An opportunity for public hearing shall be provided in accordance with Chapter 120, F.S., and Rule 62-110.106, F.A.C.
- (f) Any public comments received shall be made available for public inspection in the location where the information specified in Rule 62-210.350(2)(a)1., F.A.C., is available and shall be considered by the Department in making a final determination to approve or deny the permit.
- (g) The final determination shall be made available for public inspection at the same location where the information specified in Rule 62-210.350(2)(a)1., F.A.C., was made available.
- (h) For a proposed new or modified emissions unit which would be located within 100 kilometers of any Federal Class I area or whose emissions may affect any Federal Class I area, and which would be subject to the preconstruction review requirements of Rule 62-212.400 or 62-212.500, F.A.C.:
1. The Department shall mail or transmit to the Administrator a copy of the initial application for an air construction permit and notice of every action related to the consideration of the permit application.
  2. The Department shall mail or transmit to the Federal Land Manager of each affected Class I area a copy of any written notice of intent to apply for an air construction permit; the initial application for an air construction permit; including all required analyses and demonstrations; any subsequently submitted information related to the application; the preliminary determination and notice of proposed agency action on the permit application; and any petition for an administrative hearing regarding the application or the Department's proposed action. Each such document shall be mailed or transmitted to the Federal Land Manager within fourteen (14) days after its receipt by the Department.
- (3) Additional Public Notice Requirements for Facilities Subject to Operation Permits for Title V Sources.
- (a) Before taking final agency action to issue a new, renewed, or revised air operation permit subject to Chapter 62-213, F.A.C., the Department shall comply with all applicable provisions of Rule 62-110.106, F.A.C., and provide an opportunity for public comment which shall include as a minimum the following:
1. A complete file available for public inspection in at least one location in the district affected which includes the information submitted by the owner or operator, exclusive of confidential records under Section 403.111, F.S.; and
  2. A 30-day period for submittal of public comments.
- (b) The notice provided for in Rule 62-210.350(3)(a), F.A.C., shall be prepared by the Department and published by the applicant in accordance with all applicable provisions of Rule 62-110.106, F.A.C., except that the applicant shall cause the notice to be published no later than thirty (30) days prior to final agency action. If written comments received during the 30-day comment period on a draft permit result in the Department's issuance of a revised draft permit in accordance with Rule 62-213.430(1), F.A.C., the Department shall require the applicant to publish another public notice in accordance with Rule 62-210.350(1)(a), F.A.C.
- (c) The notice shall identify:
1. The facility;
  2. The name and address of the office at which processing of the permit occurs;
  3. The activity or activities involved in the permit action;
  4. The emissions change involved in any permit revision;
  5. The name, address, and telephone number of a Department representative from whom interested persons may obtain additional information, including copies of the permit draft, the application, and all relevant supporting materials, including any permit application, compliance plan, permit, monitoring report, and compliance statement required pursuant to Chapter 62-213, F.A.C. (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), and all other materials available to the Department that are relevant to the permit decision;

6. A brief description of the comment procedures required by Rule 62-210.350(3), F.A.C.;
7. The time and place of any hearing that may be held, including a statement of procedure to request a hearing (unless a hearing has already been scheduled); and
8. The procedures by which persons may petition the Administrator to object to the issuance of the proposed permit after expiration of the Administrator's 45-day review period.

[Rules 62-210.350(1) thru (3), F.A.C.]

23. Administrative Permit Corrections.

(1) A facility owner shall notify the Department by letter of minor corrections to information contained in a permit. Such notifications shall include:

- (a) Typographical errors noted in the permit;
- (b) Name, address or phone number change from that in the permit;
- (c) A change requiring more frequent monitoring or reporting by the permittee;
- (d) A change in ownership or operational control of a facility, subject to the following provisions:
  1. The Department determines that no other change in the permit is necessary;
  2. The permittee and proposed new permittee have submitted an Application for Transfer of Air Permit, and the Department has approved the transfer pursuant to Rule 62-210.300(7), F.A.C.; and
  3. The new permittee has notified the Department of the effective date of sale or legal transfer.
- (e) Changes listed at 40 CFR 72.83(a)(1), (2), (6), (9) and (10), adopted and incorporated by reference at Rule 62-204.800, F.A.C., and changes made pursuant to Rules 62-214.340(1) and (2), F.A.C., to Title V sources subject to emissions limitations or reductions pursuant to 42 USC ss. 7651-7651o;
- (f) Changes listed at 40 CFR 72.83(a)(11) and (12), adopted and incorporated by reference at Rule 62-204.800, F.A.C., to Title V sources subject to emissions limitations or reductions pursuant to 42 USC ss. 7651-7651o, provided the notification is accompanied by a copy of any EPA determination concerning the similarity of the change to those listed at Rule 62-210.360(1)(e), F.A.C.; and
- (g) Any other similar minor administrative change at the source.

(2) Upon receipt of any such notification, the Department shall within 60 days correct the permit and provide a corrected copy to the owner.

(3) After first notifying the owner, the Department shall correct any permit in which it discovers errors of the types listed at Rules 62-210.360(1)(a) and (b), F.A.C., and provide a corrected copy to the owner.

(4) For Title V source permits, other than general permits, a copy of the corrected permit shall be provided to EPA and any approved local air program in the county where the facility or any part of the facility is located.

[Rule 62-210.360, F.A.C.]

24. Emissions Computation and Reporting.

(1) Applicability. This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit.

(2) Computation of Emissions. For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

(a) Basic Approach. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.

1. If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.
2. If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
3. If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(b) Continuous Emissions Monitoring System (CEMS).

1. An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:
  - a. The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or

- b. The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
  2. Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
    - a. A calibrated flowmeter that records data on a continuous basis, if available; or
    - b. The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed; provided all stack tests used shall represent the same operational and physical configuration of the unit.
  3. The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- (c) Mass Balance Calculations.
1. An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
    - a. Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and
    - b. Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.
  2. Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
  3. In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- (d) Emission Factors.
1. An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
    - a. If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
    - b. Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.
    - c. The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
  2. If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- (e) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.
- (f) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
- (g) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.
- (h) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.
- (3) Annual Operating Report for Air Pollutant Emitting Facility.
- (a) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year.
  - (c) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by March 1 of the following year.
  - (d) Beginning with 2007 annual emissions, emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C., for purposes of the annual operating report.

[Rules 62-210.370(1), (2) and (3)(a), (c) & (d), F.A.C.]

APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06) (continued)

25. Circumvention. No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.

[Rule 62-210.650, F.A.C.]

26. Forms and Instructions. The forms used by the Department in the stationary source control program are adopted and incorporated by reference in this section. The forms are listed by rule number, which is also the form number, with the subject, title and effective date. Copies of forms may be obtained by writing to the Department of Environmental Protection, Division of Air Resource Management, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, or by accessing the Division's website at [www.dep.state.fl.us/air](http://www.dep.state.fl.us/air). The requirement of Rule 62-4.050(2), F.A.C., to file application forms in quadruplicate is waived if an air permit application is submitted using the Department's electronic application form.

(1) Application for Air Permit - Long Form, Form and Instructions (Effective 02-02-2006).

(a) Acid Rain Part, Form and Instructions (Effective 06-16-2003).

1. Repowering Extension Plan, Form and Instructions (Effective 07/01/1995).

2. New Unit Exemption, Form and Instructions (Effective 04/16/2001).

3. Retired Unit Exemption, Form and Instructions (Effective 04/16/2001).

4. Phase II NOx Compliance Plan, Form and Instructions (Effective 01/06/1998).

5. Phase II NOx Averaging Plan, Form (Effective 01/06/1998).

(b) Reserved.

(5) Annual Operating Report for Air Pollutant Emitting Facility, Form and Instructions (Effective 02/11/1999).

(7) Application for Transfer of Air Permit - Title V Source, (Effective 04/16/2001).

[Rule 62-210.900, F.A.C.]

Chapter 62-213, F.A.C.

27. Responsible Official.

(1) Each Title V source must identify a responsible official on each application for Title V permit, permit revision, and permit renewal. For sources with only one responsible official, this is how the Title V source designates the responsible official.

(2) Each Title V source may designate more than one responsible official, provided a primary responsible official is designated as responsible for the certifications of all other designated responsible officials. Any action taken by the primary responsible official shall take precedence over any action taken by any other designated responsible official.

(3) Any facility initially designating more than one responsible official or changing the list of responsible officials must submit a Responsible Official Notification Form (DEP Form No. 62-213.900(8)) designating all responsible officials for a Title V source, stating which responsible official is the primary responsible official, and providing an effective date for any changes to the list of responsible officials. Each individual listed on the Responsible Official Notification Form must meet the definition of responsible official given at Rule 62-210.200, F.A.C.

(4) A Title V source with only one responsible official shall submit DEP Form No. 62-213.900(8) for a change in responsible official.

(5) No person shall take any action as a responsible official at a Title V source unless designated a responsible official as required by this rule, except that the existing responsible official of any Title V source which has a change in responsible official during the term of the permit and before the effective date of this rule may continue to act as a responsible official until the first submittal of DEP Form No. 62-213.900(8) or the next application for Title V permit, permit revision or permit renewal, whichever comes first.

[Rules 62-213.202(1) thru (5), F.A.C.]

28. Annual Emissions Fee. Each Title V source permitted to operate in Florida must pay between January 15 and March 1 of each year, upon written notice from the Department, an annual emissions fee in an amount determined as set forth in Rule 62-213.205(1), F.A.C.

(1)(g) If the Department has not received the fee by February 15 of the year following the calendar year for which the fee is calculated, the Department will send the primary responsible official of the Title V source a written warning of the consequences for failing to pay the fee by March 1. If the fee is not postmarked by March 1 of the year due, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee unpaid plus interest on such amount computed in accordance with Section 220.807, F.S. If the Department determines that a submitted fee was inaccurately calculated, the Department shall either refund to the permittee any amount overpaid or notify the permittee of any amount underpaid. The Department shall not impose a penalty or interest on any amount underpaid, provided that the permittee has timely remitted payment of at least 90 percent of the amount determined to be due and remits full payment within 60 days after receipt of notice of the amount underpaid. The Department shall waive the collection of underpayment and shall not refund overpayment of the fee, if the amount is less than 1 percent of the fee due, up to \$50.00. The Department shall make every effort to provide a timely assessment of the adequacy of the submitted fee. Failure to



APPENDIX TV-6; TITLE V CONDITIONS (version dated 06/23/06) (continued)

pay timely any required annual emissions fee, penalty, or interest constitutes grounds for permit revocation pursuant to Rule 62-4.100, F.A.C.

(1)(i) Any documentation of actual hours of operation, actual material or heat input, actual production amount, or actual emissions used to calculate the annual emissions fee shall be retained by the owner for a minimum of five (5) years and shall be made available to the Department upon request.

(1)(j) A completed DEP Form 62-213.900(1), "Major Air Pollution Source Annual Emissions Fee Form", must be submitted by a responsible official with the annual emissions fee.

[Rules 62-213.205, (1)(g), (1)(i) & (1)(j), F.A.C.]

29. Reserved.

30. Reserved.

31. Air Operation Permit Fees. No permit application processing fee, renewal fee, modification fee or amendment fee is required for an operation permit for a Title V source.

[Rule 62-213.205(4), F.A.C.]

32. Permits and Permit Revisions Required. All Title V sources are subject to the permit requirements of Chapter 62-213, F.A.C., except those Title V sources permissible pursuant to Rule 62-213.300, F.A.C., Title V Air General Permits.

(1) No Title V source may operate except in compliance with Chapter 62-213, F.A.C.

(2) Except as provided in Rule 62-213.410, F.A.C., no source with a permit issued under the provisions of Chapter 62-213, F.A.C., shall make any changes in its operation without first applying for and receiving a permit revision if the change meets any of the following:

(a) Constitutes a modification;

(b) Violates any applicable requirement;

(c) Exceeds the allowable emissions of any air pollutant from any unit within the source;

(d) Contravenes any permit term or condition for monitoring, testing, recordkeeping, reporting or of a compliance certification requirement;

(e) Requires a case-by-case determination of an emission limitation or other standard or a source specific determination of ambient impacts, or a visibility or increment analysis under the provisions of Chapter 62-212 or 62-296, F.A.C.;

(f) Violates a permit term or condition which the source has assumed for which there is no corresponding underlying applicable requirement to which the source would otherwise be subject;

(g) Results in the trading of emissions among units within a source except as specifically authorized pursuant to Rule 62-213.415, F.A.C.;

(h) Results in the change of location of any relocatable facility identified as a Title V source pursuant to paragraph (a)-(e), (g) or (h) of the definition of "major source of air pollution" at Rule 62-210.200, F.A.C.;

(i) Constitutes a change at an Acid Rain Source under the provisions of 40 CFR 72.81(a)(1), (2), or (3), (b)(1) or (b)(3), hereby incorporated by reference;

(j) Constitutes a change in a repowering plan, nitrogen oxides averaging plan, or nitrogen oxides compliance deadline extension at an Acid Rain Source;

[Rules 62-213.400(1) & (2), F.A.C.]

33. Changes Without Permit Revision. Title V sources having a valid permit issued pursuant to Chapter 62-213, F.A.C., may make the following changes without permit revision, provided that sources shall maintain source logs or records to verify periods of operation:

(1) Permitted sources may change among those alternative methods of operation;

(2) A permitted source may implement operating changes, as defined in Rule 62-210.200, F.A.C., after the source submits any forms required by any applicable requirement and provides the Department and EPA with at least 7 days written notice prior to implementation. The source and the Department shall attach each notice to the relevant permit;

(a) The written notice shall include the date on which the change will occur, and a description of the change within the permitted source, the pollutants emitted and any change in emissions, and any term or condition becoming applicable or no longer applicable as a result of the change;

(b) The permit shield described in Rule 62-213.460, F.A.C., shall not apply to such changes;

(3) Permitted sources may implement changes involving modes of operation only in accordance with Rule 62-213.415, F.A.C.

[Rule 62-213.410, F.A.C.]

34. Immediate Implementation Pending Revision Process.

(1) Those permitted Title V sources making any change that constitutes a modification pursuant to the definition of modification at Rule 62-210.200, F.A.C., but which would not constitute a modification pursuant to 42 USC 7412(a) or to 40 CFR 52.01, 60.2, or 61.15, adopted and incorporated by reference at Rule 62-204.800, F.A.C., may implement such change prior to final issuance of a permit revision, provided the change:

- (a) Does not violate any applicable requirement;
- (b) Does not contravene any permit term or condition for monitoring, testing, recordkeeping or reporting, or any compliance certification requirement;
- (c) Does not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination of ambient impacts, or a visibility or increment analysis under the provisions of Chapter 62-212 or 62-296, F.A.C.;
- (d) Does not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and which the source has assumed to avoid an applicable requirement to which the source would otherwise be subject including any federally enforceable emissions cap or federally enforceable alternative emissions limit.

(2) A Title V source may immediately implement such changes after they have been incorporated into the terms and conditions of a new or revised construction permit issued pursuant to Chapter 62-212, F.A.C., and after the source provides to EPA, the Department, each affected state and any approved local air program having geographic jurisdiction over the source, a copy of the source's application for operation permit revision. The Title V source may conform its application for construction permit to include all information required by Rule 62-213.420, F.A.C., in lieu of submitting separate application forms.

(3) The Department shall process the application for operation permit revision in accordance with the provisions of Chapter 62-213, F.A.C., except that the Department shall issue a draft permit revision or a determination to deny the revision within 60 days of receipt of a complete application for operation permit revision or, if the Title V source has submitted a construction permit application conforming to the requirements of Rule 62-213.420, F.A.C., the Department shall issue a draft permit or a determination to deny the revision at the same time the Department issues its determination on issuance or denial of the construction permit application. The Department shall not take final action on the operation permit revision application until all the requirements of Rules 62-213.430(1)(a), (c), (d), and (e), F.A.C., have been complied with.

(4) Pending final action on the operation permit revision application, the source shall implement the changes in accordance with the terms and conditions of the source's new or revised construction permit. If any terms and conditions of the new or revised construction permit have not been complied with prior to the issuance of the draft operation permit revision, the operation permit shall include a compliance plan in accordance with the provisions of Rule 62-213.440(2), F.A.C.

(5) The permit shield described in Rule 62-213.460, F.A.C., shall not apply to such changes until after the Department takes final action to issue the operation permit revision.

(6) If the Department denies the source's application for operation permit revision, the source shall cease implementation of the proposed changes.

[Rule 62-213.412, F.A.C.]

35. Permit Applications.

(1) Duty to Apply. For each Title V source, the owner or operator shall submit a timely and complete permit application in compliance with the requirements of Rules 62-213.420, F.A.C., and Rules 62-4.050(1) through (3), F.A.C.

(a) Timely Application.

3. For purposes of permit renewal, a timely application is one that is submitted in accordance with Rule 62-4.090, F.A.C.

(b) Complete Application.

1. Any applicant for a Title V permit, permit revision or permit renewal must submit an application on DEP Form No. 62-210.900(1), which must include all the information specified by Rule 62-213.420(3), F.A.C., except that an application for permit revision must contain only that information related to the proposed change(s) from the currently effective Title V permit and any other requirements that become applicable at the time of application. The applicant shall include information concerning fugitive emissions and stack emissions in the application. Each application for permit, permit revision or permit renewal shall be certified by a responsible official in accordance with Rule 62-213.420(4), F.A.C.

2. For those applicants submitting initial permit applications pursuant to Rule 62-213.420(1)(a)1., F.A.C., a complete application shall be an application that substantially addresses all the information required by the application form number 62-210.900(1), and such applications shall be deemed complete within sixty days of receipt of a signed and certified application unless the Department notifies the applicant of incompleteness within that time. For all other applicants, the applications shall be deemed complete sixty days after receipt, unless the Department, within sixty days after receipt of a signed application for permit, permit revision or permit renewal, requests additional documentation or information needed

to process the application. An applicant making timely and complete application for permit, or timely application for permit renewal as described by Rule 62-4.090(1), F.A.C., shall continue to operate the source under the authority and provisions of any existing valid permit or Florida Electrical Power Plant Siting Certification, and in accordance with applicable requirements of the Acid Rain Program, until the conclusion of proceedings associated with its permit application or until the new permit becomes effective, whichever is later, provided the applicant complies with all the provisions of Rules 62-213.420(1)(b)3. and 4., F.A.C. Failure of the Department to request additional information within sixty days of receipt of a properly signed application shall not impair the Department's ability to request additional information pursuant to Rules 62-213.420(1)(b)3. and 4., F.A.C.

3. For those permit applications submitted pursuant to the provisions of Rule 62-213.420(1)(a)1., F.A.C., the Department shall notify the applicant if the Department becomes aware at any time during processing of the application that the application contains incorrect or incomplete information. The applicant shall submit the corrected or supplementary information to the Department within ninety days unless the applicant has requested and been granted additional time to submit the information. Failure of an applicant to submit corrected or supplementary information requested by the Department within ninety days or such additional time as requested and granted shall render the application incomplete.

4. For all applications other than those addressed at Rule 62-213.420(1)(b)3., F.A.C., should the Department become aware, during processing of any application that the application contains incorrect information, or should the Department become aware, as a result of comment from an affected State, an approved local air program, EPA, or the public that additional information is needed to evaluate the application, the Department shall notify the applicant within 30 days. When an applicant becomes aware that an application contains incorrect or incomplete information, the applicant shall submit the corrected or supplementary information to the Department. If the Department notifies an applicant that corrected or supplementary information is necessary to process the permit, and requests a response, the applicant shall provide the information to the Department within ninety days of the Department request unless the applicant has requested and been granted additional time to submit the information or, the applicant shall, within ninety days, submit a written request that the Department process the application without the information. Failure of an applicant to submit corrected or supplementary information requested by the Department within ninety days, or such additional time as requested and granted, or to demand in writing within ninety days that the application be processed without the information shall render the application incomplete. Nothing in this section shall limit any other remedies available to the Department.

[Rules 62-213.420(1)(a)3. and 62-213.420(1)(b)1., 2., 3. & 4., F.A.C.]

36. Confidential Information. Whenever an applicant submits information under a claim of confidentiality pursuant to Section 403.111, F.S., the applicant shall also submit a copy of all such information and claim directly to EPA. (also, see Condition No. 50.)  
[Rule 62-213.420(2), F.A.C.]

37. Standard Application Form and Required Information. Applications shall be submitted under Chapter 62-213, F.A.C., on forms provided by the Department and adopted by reference in Rule 62-210.900(1), F.A.C. The information as described in Rule 62-210.900(1), F.A.C., shall be included for the Title V source and each emissions unit. An application must include information sufficient to determine all applicable requirements for the Title V source and each emissions unit and to evaluate a fee amount pursuant to Rule 62-213.205, F.A.C.  
[Rule 62-213.420(3), F.A.C.]

38. a. Permit Renewal and Expiration. Permits being renewed are subject to the same requirements that apply to permit issuance at the time of application for renewal. Permit renewal applications shall contain that information identified in Rules 62-210.900(1) and 62-213.420(3), F.A.C. Unless a Title V source submits a timely application for permit renewal in accordance with the requirements of Rule 62-4.090(1), F.A.C., the existing permit shall expire and the source's right to operate shall terminate. No Title V permit will be issued for a new term except through the renewal process.

b. Permit Revision Procedures. Permit revisions shall meet all requirements of Chapter 62-213, F.A.C., including those for content of applications, public participation, review by approved local programs and affected states, and review by EPA, as they apply to permit issuance and permit renewal, except that permit revisions for those activities implemented pursuant to Rule 62-213.412, F.A.C., need not meet the requirements of Rule 62-213.430(1)(b), F.A.C. The Department shall require permit revision in accordance with the provisions of Rule 62-4.080, F.A.C., and 40 CFR 70.7(f), whenever any source becomes subject to any condition listed at 40

**APPENDIX IV-6, TITLE V CONDITIONS (version dated 06/23/06) (continued)**

CFR 70.7(f)(1), hereby adopted and incorporated by reference. The below requirements from 40 CFR 70.7(f) are adopted and incorporated by reference in Rule 62-213.430(4), F.A.C.:

o 40 CFR 70.7(f): Reopening for Cause. (also, see Condition No. 4.)

(1) This section contains provisions from 40 CFR 70.7(f) that specify the conditions under which a Title V permit shall be reopened prior to the expiration of the permit. A Title V permit shall be reopened and revised under any of the following circumstances:

- (i) Additional applicable requirements under the Act become applicable to a major Part 70 source with a remaining permit term of 3 or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii).
- (ii) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approved by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
- (iii) The permitting authority or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- (iv) The Administrator or the permitting authority determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(2) Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

(3) Reopenings under 40 CFR 70.7(f)(1) shall not be initiated before a notice of such intent is provided to the Part 70 source by the permitting authority at least 30 days in advance of the date that the permit is to be reopened, except that the permitting authority may provide a shorter time period in the case of an emergency.

[Rules 62-213.430(3) & (4), F.A.C., and, 40 CFR 70.7(f)]

39. Insignificant Emissions Units or Pollutant-Emitting Activities.

(a) All requests for determination of insignificant emissions units or activities made pursuant to Rule 62-213.420(3)(n), F.A.C., shall be processed in conjunction with the permit, permit renewal or permit revision application submitted pursuant to Chapter 62-213, F.A.C. Insignificant emissions units or activities shall be approved by the Department consistent with the provisions of Rule 62-4.040(1)(b), F.A.C. Emissions units or activities which are added to a Title V source after issuance of a permit under Chapter 62-213, F.A.C., shall be incorporated into the permit at its next renewal, provided such emissions units or activities have been exempted from the requirement to obtain an air construction permit and also qualify as insignificant pursuant to Rule 62-213.430(6), F.A.C.

(b) An emissions unit or activity shall be considered insignificant if all of the following criteria are met:

1. Such unit or activity would be subject to no unit-specific applicable requirement;
2. Such unit or activity, in combination with other units or activities proposed as insignificant, would not cause the facility to exceed any major source threshold(s) as defined in Rule 62-213.420(3)(c)1, F.A.C., unless it is acknowledged in the permit application that such units or activities would cause the facility to exceed such threshold(s);
3. Such unit or activity would not emit or have the potential to emit:
  - a. 500 pounds per year or more of lead and lead compounds expressed as lead;
  - b. 1,000 pounds per year or more of any hazardous air pollutant;
  - c. 2,500 pounds per year or more of total hazardous air pollutants; or
  - d. 5.0 tons per year or more of any other regulated pollutant.

[Rule 62-213.430(6), F.A.C.]

40. Permit Duration. Permits for sources subject to the Federal Acid Rain Program shall be issued for terms of five years, provided that the initial Acid Rain Part may be issued for a term less than five years where necessary to coordinate the term of such part with the term of a Title V permit to be issued to the source. Operation permits for Title V sources may not be extended as provided in Rule 62-4.080(3), F.A.C., if such extension will result in a permit term greater than five years.

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

41. Monitoring Information. All records of monitoring information shall specify the date, place, and time of sampling or measurement and the operating conditions at the time of sampling or measurement, the date(s) analyses were performed, the company or entity that performed the analyses, the analytical techniques or methods used, and the results of such analyses.

[Rule 62-213.440(1)(b)2.a., F.A.C.]

APPENDIX TV-6; TITLE V CONDITIONS (version dated 06/23/06): (continued)

42. Retention of Records. Retention of records of all monitoring data and support information shall be for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.  
[Rule 62-213.440(1)(b)2.b., F.A.C.]
43. Monitoring Reports. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports.  
[Rule 62-213.440(1)(b)3.a., F.A.C.]
44. Deviation from Permit Requirements Reports. The permittee shall report in accordance with the requirements of Rules 62-210.700(6) and 62-4.130, F.A.C., deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken.  
[Rule 62-213.440(1)(b)3.b., F.A.C.]
45. Reports. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), F.A.C.  
[Rule 62-213.440(1)(b)3.c., F.A.C.]
46. If any portion of the final permit is invalidated, the remainder of the permit shall remain in effect.  
[Rule 62-213.440(1)(d)1., F.A.C.]
47. It shall not be a defense for a permittee in an enforcement action that maintaining compliance with any permit condition would necessitate halting of or reduction of the source activity.  
[Rule 62-213.440(1)(d)3., F.A.C.]
48. Any Title V source shall comply with all the terms and conditions of the existing permit until the Department has taken final action on any permit renewal or any requested permit revision, except as provided at Rule 62-213.412(2), F.A.C.  
[Rule 62-213.440(1)(d)4., F.A.C.]
49. A situation arising from sudden and unforeseeable events beyond the control of the source which causes an exceedance of a technology-based emissions limitation because of unavoidable increases in emissions attributable to the situation and which requires immediate corrective action to restore normal operation, shall be an affirmative defense to an enforcement action in accordance with the provisions and requirements of 40 CFR 70.6(g)(2) and (3), hereby adopted and incorporated by reference.  
[Rule 62-213.440(1)(d)5., F.A.C.]
50. Confidentiality Claims. Any permittee may claim confidentiality of any data or other information by complying with Rule 62-213.420(2), F.A.C. (also, see Condition No. 36.)  
[Rule 62-213.440(1)(d)6., F.A.C.]
51. Statement of Compliance. (a)2. The permittee shall submit a Statement of Compliance with all terms and conditions of the permit that includes all the provisions of 40 CFR 70.6(c)(5)(iii), incorporated by reference at Rule 62-204.800, F.A.C., using DEP Form No. 62-213.900(7). Such statement shall be accompanied by a certification in accordance with Rule 62-213.420(4), F.A.C., for Title V requirements and with Rule 62-214.350, F.A.C., for Acid Rain requirements. Such statements shall be submitted (postmarked) to the Department and EPA:
- Annually, within 60 days after the end of each calendar year during which the Title V permit was effective, or more frequently if specified by Rule 62-213.440(2), F.A.C., or by any other applicable requirement; and
  - Within 60 days after submittal of a written agreement for transfer of responsibility as required pursuant to 40 CFR 70.7(d)(1)(iv), adopted and incorporated by reference at Rule 62-204.800, F.A.C., or within 60 days after permanent shutdown of a facility permitted under Chapter 62-213, F.A.C.; provided that, in either such case, the reporting period shall be the portion of the calendar year the permit was effective up to the date of transfer of responsibility or permanent facility shutdown, as applicable.
3. In lieu of individually identifying all applicable requirements and specifying times of compliance with, non-compliance with, and deviation from each, the responsible official may use DEP Form No. 62-213.900(7) as such statement of compliance so long as the responsible official identifies all reportable deviations from and all instances of non-compliance with any applicable requirements and includes all information required by the federal regulation relating to each reportable deviation and instance of non-compliance.

**APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06) (continued)**

(b) The responsible official may treat compliance with all other applicable requirements as a surrogate for compliance with Rule 62-296.320(2), Objectionable Odor Prohibited.

[Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

52. Permit Shield. Except as provided in Chapter 62-213, F.A.C., compliance with the terms and conditions of a permit issued pursuant to Chapter 62-213, F.A.C., shall, as of the effective date of the permit, be deemed compliance with any applicable requirements in effect, provided that the source included such applicable requirements in the permit application. Nothing in Rule 62-213.460, F.A.C., or in any permit shall alter or affect the ability of EPA or the Department to deal with an emergency, the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance, or the requirements of the Federal Acid Rain Program.

[Rule 62-213.460, F.A.C.]

53. Forms and Instructions. The forms used by the Department in the Title V source operation program are adopted and incorporated by reference in Rule 62-213.900, F.A.C. The form is listed by rule number, which is also the form number, and with the subject, title, and effective date. Copies of forms may be obtained by writing to the Department of Environmental Protection, Division of Air Resource Management, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, or by contacting the appropriate permitting authority.

(1) Major Air Pollution Source Annual Emissions Fee Form. (Effective 01/03/2001)

(7) Statement of Compliance Form. (Effective 06/02/2002)

(8) Responsible Official Notification Form. (Effective 06/02/2002)

[Rule 62-213.900, F.A.C.: Forms (1), (7) and (8)]

Chapter 62-256, F.A.C.

54. Not federally enforceable. Open Burning. This permit does not authorize any open burning nor does it constitute any waiver of the requirements of Chapter 62-256, F.A.C. Source shall comply with Chapter 62-256, F.A.C., for any open burning at the source.

[Chapter 62-256, F.A.C.]

Chapter 62-281, F.A.C.

55. Refrigerant Requirements. Any facility having refrigeration equipment, including air conditioning equipment, which uses a Class I or II substance (listed at 40 CFR 82, Subpart A, Appendices A and B), and any facility which maintains, services, or repairs motor vehicles using a Class I or Class II substance as refrigerant must comply with all requirements of 40 CFR 82, Subparts B and F, and with Rule 62-281.100, F.A.C. Those requirements include the following restrictions:

(1) Any facility having any refrigeration equipment normally containing 50 (fifty) pounds of refrigerant, or more, must keep servicing records documenting the date and type of all service and the quantity of any refrigerant added pursuant to 40 CFR 82.166;

(2) No person repairing or servicing a motor vehicle may perform any service on a motor vehicle air conditioner (MVAC) involving the refrigerant for such air conditioner unless the person has been properly trained and certified as provided at 40 CFR 82.34 and 40 CFR 82.40, and properly uses equipment approved pursuant to 40 CFR 82.36 and 40 CFR 82.38, and complies with 40 CFR 82.42;

(3) No person may sell or distribute, or offer for sale or distribution, any substance listed as a Class I or Class II substance at 40 CFR 82, Subpart A, Appendices A and B, except in compliance with Rule 62-281.100, F.A.C., and 40 CFR 82.34(b), 40 CFR 82.42, and/or 40 CFR 82.166;

(4) No person maintaining, servicing, repairing, or disposing of appliances may knowingly vent or otherwise release into the atmosphere any Class I or Class II substance used as a refrigerant in such equipment and no other person may open appliances (except MVACs as defined at 40 CFR 82.152) for service, maintenance or repair unless the person has been properly trained and certified pursuant to 40 CFR 82.161 and unless the person uses equipment certified for that type of appliance pursuant to 40 CFR 82.158 and unless the person observes the practices set forth at 40 CFR 82.156 and 40 CFR 82.166;

(5) No person may dispose of appliances (except small appliances, as defined at 40 CFR 82.152) without using equipment certified for that type of appliance pursuant to 40 CFR 82.158 and without observing the practices set forth at 40 CFR 82.156 and 40 CFR 82.166;

(6) No person may recover refrigerant from small appliances, MVACs and MVAC-like appliances (as defined at 40 CFR 82.152), except in compliance with the requirements of 40 CFR 82, Subpart F.

[40 CFR 82; and, Chapter 62-281, F.A.C. (Chapter 62-281, F.A.C., is not federally enforceable)]

Chapter 62-296, F.A.C.

56. Industrial, Commercial, and Municipal Open Burning Prohibited. Open burning in connection with industrial, commercial, or municipal operations is prohibited, except when:

- (a) Open burning is determined by the Department to be the only feasible method of operation and is authorized by an air permit issued pursuant to Chapter 62-210 or 62-213, F.A.C.; or
- (b) An emergency exists which requires immediate action to protect human health and safety; or
- (c) A county or municipality would use a portable air curtain incinerator to burn yard trash generated by a hurricane, tornado, fire or other disaster and the air curtain incinerator would otherwise be operated in accordance with the permitting exemption criteria of Rule 62-210.300(3), F.A.C.

[Rule 62-296.320(3), F.A.C.]

57. Unconfined Emissions of Particulate Matter.

(4)(c)1. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

3. Reasonable precautions include the following:

- a. Paving and maintenance of roads, parking areas and yards.
- b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- e. Landscaping or planting of vegetation.
- f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- g. Confining abrasive blasting where possible.
- h. Enclosure or covering of conveyor systems.

4. In determining what constitutes reasonable precautions for a particular facility, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

[Rules 62-296.320(4)(c)1., 3., & 4. F.A.C.]

[electronic file name: tv-6.doc]

**Florida Power Corporation  
dba Progress Energy Florida, Inc.  
Anclote Power Plant  
Compliance Plan CP-1**

The permittee is authorized to construct and operate two new mechanical draft cooling towers, 12 cells each, with the following nominal design characteristics: a circulating flow rate of 660,000 gallons per minute (330,000 gpm per tower); a design air flow of 36,000,000 acfm for both towers (18,000,000 acfm per tower and 1,500,000 acfm per cell); drift eliminators and a drift rate of no more than 0.0005% of the circulating water flow for each tower.

[Air Construction Permit 1010017-007-AC]

Within 60 days of commencing operation, the permittee shall certify that the cooling towers were constructed and installed to achieve the specific drift rate of no more than 0.0005% of the circulating flow rate. [Air Construction Permit 1010017-007-AC]



u. J. Buzzell, Murphy, Gray  
RECEIVED  
OCT 15 1998

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF FINAL PERMIT

Environmental Svcs  
Department

In the Matter of an  
Application for Permit

Mr. W. Jeffrey Pardue  
Florida Power Corporation  
3201 34th Street South  
St. Petersburg, Florida 33733

DEP File No. 1010017-004-AC  
Pasco County

Enclosed is the FINAL Permit Number 1010017-004-AC for the installation of natural gas burners and natural gas supply equipment at the Anclote Power Plant Units 1 and 2 located at Anclote Road, West of U.S. 19, Tarpon Springs, Pasco County. This permit is issued pursuant to Chapter 403.

Any party to this order (permit) has the right to seek judicial review of the permit 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.

Executed in Tallahassee, Florida.



C.H. Fancy, P.E., Chief  
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 10-13-98 to the person(s) listed:

- Mr. W. Jeffrey Pardue, FPC\*
- Mr. Doug Neeley, EPA
- Mr. John Bunyak, NPS
- Mr. Bill Thomas, DEP

Clerk Stamp

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

Kay Baker  
(Clerk)

10-13-98  
(Date)

**Final Determination  
Florida Power Corporation Anclote Facility  
Natural Gas Co-Firing Units 1 and 2  
Permit No. 1010017-004-AC**

An Intent to Issue Air Construction Permit to install natural gas burners and natural gas supply equipment at the Anclote Power Plant Units 1 and 2 located at Anclote Road, West of U.S. 19, Tarpon Springs, Pasco County, Florida was distributed on September 4, 1998. The Public Notice of Intent to Issue Air Construction Permit was published in the Pasco Times on September 10, 1998. Copies of the draft construction permit and related documents were available for public inspection at the Department's offices in Tallahassee and Tampa. No comments were received.

FPC representative Mike Kennedy talked to Clair Fancy of the Bureau of Air Regulation in person on September 23 regarding sulfur fuel sampling and analysis. It was agreed to address this in the Title V permit.

Therefore, the final action of the Department will be to issue the final permit in accordance with the draft permit.



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

## PERMITTEE:

Florida Power Corporation  
3201 34th Street South  
St. Petersburg, Florida 33733

Permit No.	1010017-004-AC
SIC No.	4911
Expires:	December 1, 1999

Authorized Representative:  
W. Jeffrey Pardue  
Director Environmental Services

## PROJECT AND LOCATION:

Permit for the installation of natural gas burners and natural gas supply equipment at the Anclote Power Plant Units 1 and 2, located at Anclote Road, West of US 19, Tarpon Springs, Pasco County, Florida.

UTM: Zone 17 ; 324.4 km E ; 3118.7 km N


## STATEMENT OF BASIS:

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and the Florida Administrative Code (F.A.C.) Chapters 62-4, 62-204, 62-210, 62-212, 62-214, 62-296 and 62-297. The above named Permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

Attached Appendix made a part of this permit:

Appendix GC

Construction Permit General Conditions

*for*   
Howard L. Rhodes, Director  
Division of Air Resources  
Management

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

AIR CONSTRUCTION PERMIT No. 1010017-004-AC

SECTION I. FACILITY INFORMATION

**FACILITY DESCRIPTION**

This permit authorizes the installation and testing of natural gas burners to utility boilers unit 1 and unit 2. Unit 1 is a nominal 535(summer)/540(winter) megawatt (electric) steam generator. Unit 2 is a nominal 525(summer)/530(winter) megawatt (electric) steam generator. Both units share a common 499 foot exhaust stack. There is no air pollution control equipment on these units.

**REGULATORY CLASSIFICATION**

The Anclote Generating Station is classified as a major air pollutant emitting facility. Units 1 and 2 are regulated under Rule 62-296.405 F.A.C., Fossil Fuel Steam Generators with more than 250 million Btu per Hour Heat Input.

This facility is regulated under Title IV and Title V of the Clean Air Act Amendments of 1990.

This facility is classified as a major source of Hazardous Air Pollutants (HAPs).

**RELEVANT DOCUMENTS:**

The documents listed below are the basis of the permit. They are specifically related to this permitting action but do not supersede the conditions given in this permit. These documents are on file with the Department.

Application received by DEP on 2/26/98

Department's letters dated 3/26/98, and 5/19/98

FPC response letters and faxes dated 3/23/98 4/28/98, 6/5/98, and 6/23/98

FPC letter dated 9/1/98

Department's Intent to Issue dated 09/04/98 and associated documents

Department's Final Determination accompanying permit.

Florida Power Corp.  
Pasco County

Anclote Power Plant  
Facility ID No. 1070017

AIR CONSTRUCTION PERMIT No. 1010017-004-AC

**SECTION II. EMISSION UNITS ADMINISTRATIVE REQUIREMENTS**

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1. Regulating Agencies: All documents related to applications for permits to operate, and associated reports, tests, minor modifications and notifications or for permits to construct or modify an emission unit(s) should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (DEP), mailing address: 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, Mail Station 5505, and phone number (850) 488-0114.

The Permittee shall submit all compliance related notifications and reports required of this permit to the Department's Southwest District office:

Department of Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8218  
Telephone: 813/744-6100  
Fax: 813/744-6458

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

U. S. Environmental Protection Agency - Region 4  
Air, Pesticides & Toxics Management Division  
Operating Permits Section  
61 Forsyth Street  
Atlanta, Georgia 32303  
Telephone: 404/562-9099  
Fax: 404/562-9095

2. General Conditions: The owner and operator is subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in *Appendix GC* of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]

3. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.

4. Forms and Application Procedures: The Permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. [Rule 62-210.900, F.A.C.]

5. Expiration: This air construction permit shall expire on December 1, 1999.

AIR CONSTRUCTION PERMIT No. 1010017-004-AC

**SECTION III. SPECIFIC CONDITIONS**

**A. General Operation Requirements**

1. **Applicable Regulations:** Unless otherwise indicated in this permit, the construction and operation of the subject emission unit(s) shall be in accordance with the capacities and specifications stated in the application and supplemental information referenced in Section I, Subsection C with the exception of used oil firing. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-103, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296, and 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations. [Rule 62-210.300, F.A.C.]
2. Unit 1 is authorized to fire fuel oils No. 1 through No. 6 with a maximum heat input of 4964 MMBtu per hour. Unit 2 is authorized to fire fuel oils No. 1 through No. 6 with a maximum heat input of 4850 MMBtu per hour. Pipeline quality natural gas may be fired alone or cofired with fuel oil in either boiler and shall be limited to a maximum heat input of 2300 MMBtu per hour per boiler. Unit 1 is authorized to co-fire natural gas with fuel oils No. 1 through No. 6 with a maximum heat input of 5073 MMBtu per hour. Unit 2 is authorized to co-fire natural gas with fuel oils No. 1 through No. 6 with a maximum heat input of 4957 MMBtu per hour.

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.

3. Anclote Power Plant Units 1 and 2 may operate continuously (i.e., 8760 hours per year).
4. Only pipeline quality natural gas or No. 1 - 6 fuel oils with an as-fired maximum sulfur content of 1.8% by weight shall be fired in Units 1 and 2.
5. **Plant Operation - Problems:** If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the owner or operator shall notify the Permitting Authority as soon as possible, but at least within (1) working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; the steps being taken to correct the problem and prevent future recurrence; and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the Permittee from any liability for failure to comply with the conditions of this permit and the regulations. [Rule 62-4.130, F.A.C.]
6. **Operating Procedures:** Operating procedures shall include good operating practices and proper training of all operators and supervisors. The good operating practices shall meet the guidelines and procedures as established by the equipment manufacturers. [Rule 62-4.070(3), F.A.C.]

**SECTION III. SPECIFIC CONDITIONS**

**B. Emission Limits and Standards**

1. The following is a summary of emission limits applicable to Units 1 and 2:

Table 1.- Emission Limits

Pollutant	Standard
SO2	1.5% sulfur content by weight, based upon 12 month rolling average
PM/PM10	0.1 lb/MMBtu
Visible Emissions	40 percent opacity

2. Visible Emissions. Visible emissions (VE) shall not exceed 40 percent opacity. Owners or operators shall conduct a compliance test for particulate matter emissions and opacity annually. Failure to demonstrate compliance with the particulate matter standard or the opacity standard of this condition shall constitute grounds for immediate revocation of this 40% standard in which case the standard from Rule 62-296.405(1)(a) F.A.C. shall apply (20% opacity limit except for one six-minute period per hour during which opacity shall not exceed 27%). [Rule 62-296.405(1)(a), F.A.C.; and, OGC File Nos. 86-1574 and 86-1575/Orders dated December 11, 1986.]
  
3. Visible Emissions - Soot Blowing and Load Change.  
 Excess emissions from existing fossil fuel steam generators resulting from boiler cleaning (soot blowing) and load change shall be permitted provided the duration of such excess emissions shall not exceed 3 hours in any 24-hour period and visible emissions shall not exceed 60 percent opacity, and providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized. A load change occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup or shutdown, which exceeds 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more. Visible emissions above 60 percent opacity shall be allowed for not more than 4, six (6)-minute periods, during the 3-hour period of excess emissions allowed by this subparagraph, for boiler cleaning and load changes on Units 1 and 2 which are required to operate continuous opacity monitors. [40 CFR 75 and Rule 62-210.700(3), F.A.C.]
  
4. Sulfur Dioxide. The sulfur content of fuel oils burned shall not exceed 1.8% by weight, as fired at the plant. The 12 month rolling average shall not exceed 1.5% by weight.
  
5. Particulate Matter. Particulate matter emissions shall not exceed 0.1 lb/MMBtu as measured by Method 5 or Method 17. Particulate matter emissions shall not exceed an average of 0.3 pound per million Btu heat input during the 3-hours in any 24-hour period of excess emissions allowed for boiler cleaning (soot blowing) or load change.

**SECTION III. SPECIFIC CONDITIONS**

6. To minimize acid smut, at low load operation (less than 80 MW per unit), the use of natural gas shall be at least 40 % of the heat input to the unit or 7,000 MMBtu/day, whichever is less.

**C. Excess Emissions**

1. Excess emissions resulting from malfunction shall be permitted provided that best operational practices 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 DEP Southwest District Office for longer duration. Excess emissions resulting from startup or shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized. [Rule 62-210.700(2), F.A.C.]
2. 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.]
3. Excess Emissions Report: If excess emissions occur due to malfunction, the owner or operator shall notify DEP's Southwest District office within (1) working day of the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Excess emissions shall be reported in accordance with 40 CFR 60.7. [Rules 62-4.130 and 62-210.700(6), F.A.C.]



**SECTION III. SPECIFIC CONDITIONS**

**D. Compliance Determination**

1. Compliance with the allowable emission limiting standards shall be determined within 60 days after achieving the maximum production rate for natural gas firing, but not later than 180 days from the initial operation date on natural gas, and annually thereafter as indicated in this permit, by using the following reference methods as described in 40 CFR 60, Appendix A (1998 version), and adopted by reference in Chapter 62-297, F.A.C.

Initial (I) compliance tests for VE and particulate emissions shall be performed on Units 1 and 2 while cofiring the maximum capacity of natural gas (approximately 40% to 44% of total heat input) and No. 6 Fuel oil. Annual (A) compliance tests shall be performed during every federal fiscal year (October 1 - September 30) pursuant to Rule 62-297.340, F.A.C., on Units 1 and 2 as indicated. The following reference methods shall be used:

- DEP Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources (I, A).
- EPA Method 17 or Method 5. The minimum sample volume shall be 30 dry standard cubic feet.

For EPA Method 17, stack temperature shall be less than 375 degrees Fahrenheit. EPA Method 3A shall be used with the oxygen-based F-factor and emission rates (lb/MMBtu) shall be computed according to EPA Method 19. Acetone wash shall be used with EPA Method 5 or 17. Stack testing shall be conducted using the fuel (and additive injection levels) which is representative of worst case for particulate emissions rate (i.e. using the fuel or fuel blend representative of that which has been fired during the past federal fiscal year which results in the highest potential emissions rate). (I, A) [Rules 62-213.440, 62-296.405(1)(e)2., and 62-297.401, F.A.C.]

Note: No other methods may be used for compliance testing unless prior DEP approval is received in writing. The DEP may request a special compliance test pursuant to Rule 62-297.340(2), F.A.C., when, after investigation (such as complaints, increased visible emissions, or questionable maintenance of control equipment), there is reason to believe that any applicable emission standard is being violated. The DEP's Southwest District office shall be notified, in writing, at least 30 days prior to the initial and annual compliance test(s)

2. Testing of emissions shall be conducted with each boiler operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum heat input rate allowed by the permit. If it is impracticable to test at permitted capacity, the source may be tested at less than permitted capacity. In this case, subsequent operation is limited by adjusting the heat input limit to 110 percent of the value reached during the test until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity.
3. EPA Method 6C may be used to determine compliance with the SO<sub>2</sub> emission limit. The following fuel sampling and analysis protocol may be used as an alternate sampling procedure authorized by this permit to demonstrate compliance with the sulfur dioxide standard: Determine and record the fuel sulfur content, percent by weight, for fuel oil delivered to the facility using either ASTM D2622-924, ASTM D4294-90, or both ASTM D4057-88 and ASTM D129-95 (or latest editions).

**SECTION III. SPECIFIC CONDITIONS**

Co-firing natural gas with fuel oil having more than 1.8% sulfur content by weight as-fired is prohibited. [Rules 62-213.440(1), 62-4.070(3), 62-296.405(1)(e)3., 62-296.405(1)(f)1.b., 62-297.440, F.A.C., and FPC's letter dated 9/1/98].

4. An initial test for CO is required while co-firing No. 6 fuel oil and natural gas at the design maximum capacity for gas operation (approximately 40% to 44% of total heat input) and within 90-100% of the permitted overall heat input rate for each unit. The initial CO test results shall be the average of three valid one-hour runs using EPA method 10. A second test for CO shall be conducted firing only No. 6 fuel oil within 90-100% of the overall heat input rate for comparison. This test is not required annually.
5. All fuel oil delivered to the facility shall be analyzed using ASTM D240-76 (or equivalent) to record the gross heating value (HHV). Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.
6. Compliance with the liquid fuel sulfur limit shall be verified by a fuel analysis provided by the vendor or performed by FPC upon each fuel delivery with the following exception: in cases where No. 6 fuel oil is received with a sulfur content exceeding 1.5% by weight, and blending is required to obtain a fuel mix equal to the applicable percent sulfur limit, an analysis of a fuel sample representative of fuel from the fuel storage tanks shall be performed by FPC prior to firing oil at the plant. Reports of percent sulfur content of these analyses shall be maintained at the power plant facility.

The owner or operator shall maintain records of the as-fired fuel oil heating value, density or specific gravity, and the percent sulfur content. fuel sulfur content, percent by weight, for liquid fuels shall be determined by either ASTM D2622-94, ASTM D4294-90 (95), ASTM D1552-95, ASTM D1266-91, or both ASTM D4057-88 and ASTM D129-95 (or latest editions) to analyze a representative sample of the fuel oil.

[Rules 62-213.440, 62-296.405(1)(e)3., 62-296.405(1)(f)1.b. and 62-297.440, F.A.C., and applicant agreement with DEP on September 1, 1998.

**E. Notification, Reporting and Recordkeeping**

1. All measurements, records, and other data required to be maintained by FPC shall be retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These records shall be made available to DEP representatives upon request.
2. Compliance Test Reports: A test report indicating the results of the required compliance tests shall be filed with the DEP Southwest District Office as soon as practical, but no later than 45 days after the last sampling run is completed. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8), F.A.C.

**SECTION III. SPECIFIC CONDITIONS**

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**F. Monitoring Requirements**

1. The Permittee shall install, calibrate, maintain, and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides, sulfur dioxide emissions and opacity from Units 1 and 2. The continuous emission monitoring systems must comply with the certification and quality assurance, and other applicable requirements from 40 CFR 75. Periods of startup, shutdown, malfunction, and fuel switching shall be monitored, recorded, and reported as excess emissions when emission levels exceed the standards in Table 1 following the format of 40 CFR 60.7 (1998 version).
2. The following monitoring schedule for No. 1 - 6 fuel oil shall be followed: For all shipments of fuel oil received at the Anclote Power Plant Station, an analysis which reports the sulfur and ash content and heat content (HHV) of the fuel shall be provided by the fuel vendor or other sources which follow the appropriate fuel test methods listed in Specific Condition D1. The analysis record shall specify the origin of the fuel sample, the methods by which the analyses were conducted, the person conducting the sampling and analysis, and date of sampling and analysis.
4. Determination of Process Variables:
  - (a) The Permittee shall operate and maintain equipment and/or instruments necessary to determine process variables, such as process weight input or heat input, when such data is needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
  - (b) Equipment and/or instruments used to directly or indirectly determine such process variables, including devices such as belt scales, weigh 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]

**G. Rule Requirements**

1. The emission unit shall be operated in compliance with all applicable requirements of Rules 62-4, 204, 210, 212, 214, 296, and 297 except as otherwise specified herein. All notifications and reports specified in this section shall be submitted to the DEP's Southwest District office.
2. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements and regulations (Rule 62-210.300(1), F.A.C.).
3. Except as otherwise specified herein, the emission unit shall be operated in compliance with all applicable provisions of Rule 62-210.700, F.A.C.: Excess Emissions; Chapter 62-297, F.A.C.: Stationary Sources - Emissions Monitoring; and, Rule 62-4.130, F.A.C.: Plant Operation - Problems.

**AIR CONSTRUCTION PERMIT No. 1010017-004-AC**

**SECTION III. SPECIFIC CONDITIONS**

4. Quarterly excess emission reports, in accordance with 40 CFR 60.7 (7)(c) (1998 version), shall be submitted to the DEP's Southwest District office.
5. Pursuant to Rule 62-210.370(2), F.A.C., Annual Operation Reports, the Permittee is required to submit annual reports on the actual operating rates and emissions from this facility. Annual operating reports shall be sent to the DEP's Southwest District office by March 1st of each year.
6. Stack sampling facilities shall be available in accordance with Rule 62-297.310(6), F.A.C.
7. The Permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (Rule 62-4.090, F.A.C.).

**H. Modifications**

1. The Permittee shall give written notification to the Department when there is any modification to this facility. This notice shall be submitted sufficiently in advance of any critical date involved to allow sufficient time for review, discussion, and revision of plans, if necessary. Such notice shall include, but not be limited to, information describing the precise nature of the change; modifications to any emission control system; production capacity of the facility before and after the change; and the anticipated completion date of the change.

APPENDIX GC  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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

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

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

**APPENDIX GC**  
**GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]**

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

- G.9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13. This permit also constitutes:
- (a) Determination of Best Available Control Technology ( )
  - (b) Determination of Prevention of Significant Deterioration ( ); and
  - (c) Compliance with New Source Performance Standards ( ).
- G.14. The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.
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**Attachment FAI-3  
Alternative Methods of Operation  
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)  
Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002**

Attachment FAI-3  
Alternative Methods of Operation  
Anclote Power Plant – TV/AC Revision (Part 75 Appendix D)  
Fossil Fuel Fired Steam Generators #1 and #2, EUs -001 and -002

As per Specific Conditions A.1.1 through A.4 of the Title V Permit No. 1010017-008-AV, each fossil fuel fired steam generator fires No. 1, 2, 3, 4, 5, or 6 fuel oil, natural gas, and on-specification used oil.