

Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

## P.E. Certification Statement

**Permittee:**

Progress Energy Florida, Inc.  
Turner Power Plant

**DRAFT Permit No.:** 1270020-002-AV

**Project type:** Title V Air Operation Permit Renewal

*I HEREBY CERTIFY that the engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).*

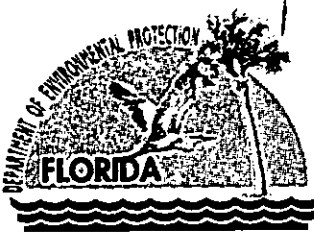
Syed Arif                      8/3/2004  
Syed Arif, P.E.                      Date  
Registration Number: 51861

Permitting Authority:

Department of Environmental Protection  
Bureau of Air Regulation  
111 South Magnolia Drive, Suite 4  
Tallahassee, Florida 32301  
Telephone: 850/488-0144  
Fax: 850/922-6979

"More Protection, Less Process"

Printed on recycled paper.



Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

August 3, 2004

Mr. Martin Drango  
Responsible Official  
Progress Energy Florida, Inc.  
P.O. Box 14042  
MAC: DB44  
St. Petersburg, Florida 33733

Re: DRAFT Title V Permit No. 1270020-002-AV  
Turner Power Plant

Dear Mr. Drango:

One copy of the DRAFT Title V Air Operation Permit Renewal for the Turner Power Plant located at 201 Debarry Avenue, Deltona, Volusia County, is enclosed. The permitting authority's "INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL" is also included.

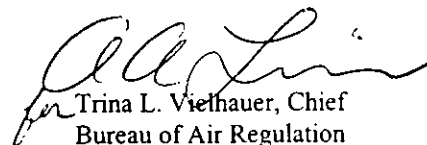
Electronic versions of these documents have been posted on the Division of Air Resource Management's world wide web site for the United States Environmental Protection Agency (U.S. EPA) Region 4 office's review. The web site address is:

<http://www.dep.state.fl.us/air/permitting.htm>

The "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL" must be published as soon as possible. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to the Program Administrator, Permitting South Section, at the above letterhead address. If you have any other questions, please contact Syed Arif at 850/921-9528.

Sincerely,

  
Trina L. Viethauer, Chief  
Bureau of Air Regulation

TLV/sa

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an  
Application for Permit Renewal by:

Progress Energy Florida, Inc.  
P.O. Box 14042  
St. Petersburg, FL 33733

DRAFT Permit No. 1270020-002-AV  
**Turner Power Plant**  
Volusia County

**INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Title V Air Operation Permit Renewal (copy of DRAFT Permit attached) for the Title V source detailed in the application specified above, for the reasons stated below.

The applicant, Progress Energy Florida, Inc., applied on May 21, 2004, to the permitting authority for a Title V Air Operation Permit Renewal for the Turner Power Plant, located at 201 Debarry Avenue, Deltona, Volusia County. The permitting authority has permitting jurisdiction 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. This source is not exempt from Title V permitting procedures. The permitting authority has determined that a Title V Air Operation Permit Renewal is required to commence or continue operations at the described facility.

The permitting authority intends to issue this Title V Air Operation Permit Renewal based on the belief that reasonable assurances have been provided to indicate that operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax: 850/922-6979, within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

The permitting authority will issue the PROPOSED Permit, and subsequent FINAL Permit, in accordance with the conditions of the attached DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed permit issuance action for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit, the permitting authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2242; Fax: 850/245-2303). Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of how and when each petitioner received notice of the agency action or proposed action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

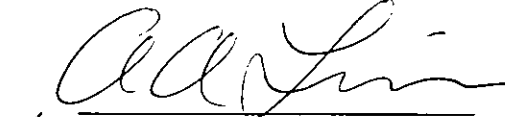
The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

Executed in Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION**

  
for Trina L. Vielhauer, Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL (including the PUBLIC NOTICE and the DRAFT Permit) and all copies were sent by certified mail before the close of business on 8/5/04 to the person(s) listed:

Mr. Martin Drango, Progress Energy Florida, Inc.

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL (including the PUBLIC NOTICE and Statement of Basis) were sent by U.S. mail on the same date to the person(s) listed or as otherwise noted:

Mr. Scott Osbourn, P.E., Golder Associates, 5100 West Lemon Street, Suite 114, Tampa, FL 33609

Mr. Dave Meyer, Progress Energy Florida, Inc., 100 Central Avenue, Mail Code BB1A, St. Petersburg, FL 33701

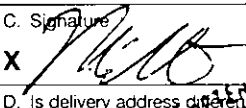
In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL (including the DRAFT Permit package) were sent by INTERNET E-mail on the same date to the person(s) listed:

Mr. Len Kozlov, CD  
U.S. EPA, Region 4

Clerk Stamp

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

Barbara J. Friday 8/5/04  
(Clerk) (Date)

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>	A. Received by (Please Print Clearly) _____ B. Date of Delivery _____	
	C. Signature <input checked="" type="checkbox"/> X  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Mr. Martin Drango Responsible Official Progress Energy, Florida, Inc. P.O. Box 14042 MAC: DB44 St. Petersburg, Florida 33733	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input checked="" 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.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		
2. Article Number (Copy from service label)	7001 1140 0002 1578 2496	
PS Form 3811, July 1999	Domestic Return Receipt	102595-99-M-1789

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*

7001 1140 0002 1578 2496

**OFFICIAL USE**  
 Mr. Martin Drango, Responsible Official

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$</b>	

**Sent To**  
 Mr. Martin Drango, Responsible Official  
 Street, Apt. No.,  
 or PO Box No. P.O. Box 14042 MAC: DB44  
 City, State, ZIP+4  
 St. Petersburg, Florida 33733

PS Form 3800, January 2001
See Reverse for Instructions

## **STATEMENT OF BASIS**

Progress Energy Florida, Inc.  
Turner Power Plant  
**Facility ID No.:** 1270020  
Volusia County

Title V Air Operation Permit Renewal  
**DRAFT Permit No.:** 1270020-002-AV

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

This facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS sources. Each CT exhausts through a separate stack. Emissions from the CT are uncontrolled. Because these emission units have no add-on control devices, they are not subject to CAM. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

The Initial Title V permit contained three (3) existing steam generating emissions units, which were SG 2, SG 3, and SG 4. On January 1, 1998, they were permanently retired. All references made to these emissions units have been deleted from the text and tables. However, they are still referenced in the Acid Rain Part, which is Section IV of the permit.

The combustion turbine peaking units (CTP) may only fire new No. 2 fuel oil having a maximum sulfur content of 0.5 percent, by weight. CTP 1 and CTP 2 each have a maximum heat input of 286 MMBtu/hour at 59° F and each power a generator rated at 18.0 MW (megawatts of electricity); and, the maximum heat input was changed from 278 to 286 due to the heat input curve. CTP 3 and CTP 4 each have a maximum heat input of 930 MMBtu/hour at 59° F and each power a generator rated at 82.0 MW. Emissions are not controlled and each turbine exhausts through a separate stack. These emissions units are pre-NSPS and not subject to the Acid Rain Program. CTP 1 and CTP 2 began commercial service on October 9, 1970. CTP 3 and CTP 4 began commercial service on June 14, 1974. The emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required and 62-213, F.A.C., Operation Permits for Major Sources of Air Pollution.

The Department has determined that the appropriate visible emissions (VE) testing frequency for the four combustion turbines is a VE test upon exceeding 400 hours of operation on fuel oil in any given federal fiscal year (October 1 through September 30). This frequency is justified by the low historical operational use of fuel oil for these units and the previous VE tests which documented compliance while firing fuel oil.

This permit renewal includes some changes to the Initial Title V permit as described below.

- The applicant requested the following changes to Specific Conditions A.1 and A.13:

**A.1. Permitted Capacity.** CTP 1 and CTP 2 each have a maximum heat input of 286 MMBtu/hour at 59° F and each power a generator rated at 18.0 MW (megawatts of electricity). CTP 3 and CTP 4 each have a maximum heat input of 930 MMBtu/hour at 59° F and each power a generator rated at 82.0 MW. At other ambient temperatures, the units shall be operated in accordance with established performance curves, which will be made available at the site during compliance testing.

{Permitting note: The heat input limitations have been placed in the permit to identify the capacity of each emissions unit for purposes of confirming that emissions testing is conducted within ~~90~~95-100 percent of the emissions unit's rated capacity (or to limit future operation to ~~110~~105 percent of the test load), to establish appropriate limits and to aid in determining future rule applicability.}

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, AO 64-176745A]



STATEMENT OF BASIS cont.

Progress Energy Florida, Inc.: Turner Power Plant

Title V Air Operation Permit Renewal

Facility ID No.: 1270020

DRAFT Permit No.: 1270020-002-AV

Page 2 of 3

**A.13. Operating Rate During Testing**

Testing of emissions shall be conducted with the emissions unit operating at capacity. Capacity is defined as ~~90~~<sup>95</sup> - 100 percent of the manufacturer's rated heat input achievable for the average ambient (or conditioned) air temperature during the test. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than capacity. In such cases, the entire heat input vs. inlet temperature curve will be adjusted by the increment equal to the difference between the design heat input value and ~~110~~<sup>105</sup> percent of the value reached during the test, ~~provided however, operations do not exceed 100 percent of the maximum operation rate allowed by this permit.~~ Data, curves, and calculations necessary to demonstrate the heat input rate correction at both design and test conditions shall be submitted to the Department's local office with the compliance test report.

[Rules 62-297.310(2) & (2)(a), F.A.C.; and, requested by the applicant on September 25, 1997]

Comment: The change for Specific Condition A.1 is acceptable to the Department as most of the recent permits issued for Combustion Turbines require emission testing within 90-100 percent of the emissions unit's rated capacity. Additionally, the State Operating Permit under which this facility was operating indicates emission testing within 90-100 percent of the emissions unit's rated capacity. For Specific Condition A.13, the Department will not delete the requirement that operations do not exceed 100 percent of the maximum operation rate allowed by this permit. Therefore, Specific Condition A.13 shall read as follows:

**A.13. Operating Rate During Testing**

Testing of emissions shall be conducted with the emissions unit operating at capacity. Capacity is defined as ~~90~~<sup>95</sup> - 100 percent of the manufacturer's rated heat input achievable for the average ambient (or conditioned) air temperature during the test. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than capacity. In such cases, the entire heat input vs. inlet temperature curve will be adjusted by the increment equal to the difference between the design heat input value and ~~110~~<sup>105</sup> percent of the value reached during the test, provided however, operations do not exceed 100 percent of the maximum operation rate allowed by this permit. Data, curves, and calculations necessary to demonstrate the heat input rate correction at both design and test conditions shall be submitted to the Department's local office with the compliance test report.

[Rules 62-297.310(2) & (2)(a), F.A.C.; and, requested by the applicant on September 25, 1997]

- The applicant requested the following change to Specific Condition A.12:

**A.12.** The fuel sulfur content, percent by weight, provided by the vendor or permittee for each delivery of liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-91, or the latest edition, or ASTM D1552-90, or an equivalent method.

Comment: The change is acceptable to the Department with the following caveat that the equivalent method should be approved by the Department prior to its use. Therefore, the language should read as follows:

**A.12.** The fuel sulfur content, percent by weight, provided by the vendor or permittee for each delivery of liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-91, or the latest edition, or ASTM D1552-90, or an equivalent method after Department approval.

Also included in the permit (appendices) are unregulated and insignificant emissions units and/or activities.

STATEMENT OF BASIS cont.

Progress Energy Florida, Inc.: Turner Power Plant

Title V Air Operation Permit Renewal

**Facility ID No.:** 1270020

**DRAFT Permit No.:** 1270020-002-AV

Page 3 of 3

Based on the Title V permit renewal application received May 21, 2004, this facility is not a major source of hazardous air pollutants (HAPs).

Progress Energy Florida, Inc.  
Turner Power Plant  
**Facility ID No.:** 1270020  
Volusia County

Title V Air Operation Permit Renewal  
**DRAFT Permit No.:** 1270020-002-AV

Permitting Authority:  
State of Florida  
Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
Permitting South Section

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  
Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

Telephone: 407/894-7555  
Fax: 407/897-2966

Title V Air Operation Permit Renewal  
Progress Energy Florida, Inc. - Turner Power Plant  
DRAFT Permit No.: 1270020-002-AV

Table of Contents

<u>Section</u>	<u>Page Number(s)</u>
<u>Placard Page</u> .....	1
<u>I. Facility Information</u> .....	2
A. Facility Description.	
B. Summary of Emissions unit(s) with ID No(s).	
C. Relevant Documents	
<u>II. Facility-wide Conditions</u> .....	3 - 4
<u>III. Emissions Unit(s) and Conditions</u>	
A. Combustion Turbine Peaking Units (Pre-NSPS Sources).....	5 - 8
<u>IV. Acid Rain Program</u>	
A. Acid Rain, Phase II.....	9 - 10

**Permittee:**  
Progress Energy Florida, Inc.  
P.O. Box 14042  
St. Petersburg, Florida 33733

**DRAFT Permit No.:** 1270020-002-AV  
**Facility ID No.:** 1270020  
**SIC Nos.:** 49, 4911  
**Project:** Title V Air Operation Permit Renewal

This permit renewal is for the operation of the Turner Power Plant. This facility is located at 201 Debary Avenue, Deltona, Volusia; UTM Coordinates: Zone 17, 473.4 km East and 3193.3 km North; Latitude: 28° 51' 08" North and Longitude: 81° 16' 22" West.

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

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

Appendix U-1, List of Unregulated Emissions Units and/or Activities.  
Appendix I-1, List of Insignificant Emissions Units and/or Activities.  
APPENDIX TV-4, TITLE V CONDITIONS (version dated 2/12/02).  
OGC Order TFR-92-A-01 dated March 11, 1993.  
Phase II Acid Rain Application/Compliance Plan received May 21, 2004.

**Effective Date:** January 1, 2005  
**Renewal Application Due Date:** July 5, 2009  
**Expiration Date:** December 31, 2009

---

Michael G. Cooke, Director  
Division of Air Resource Management

MGC/sa

**Section I. Facility Information.**

**Subsection A. Facility Description.**

This facility consists of four simple cycle combustion turbine peaking units (CTP), all of which are pre-NSPS emissions units. The three steam generators, Nos. SG 2, SG3 and SG4, were permanently retired on January 1, 1998. Each CT exhausts through a separate stack. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V permit renewal application received on May 21, 2004, this facility is not a major source of hazardous air pollutants (HAPs).

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

<b>E.U. ID Nos.</b>	<b>Brief Description</b>
-002	Fossil Fuel Fired Steam Generator No. SG 2 (Permanently Retired 1/1/98)
-003 - -004	Fossil Fuel Fired Steam Generator No. SG 3 (Permanently Retired 1/1/98)
-005 - -006	Fossil Fuel Fired Steam Generator No. SG 4 (Permanently Retired 1/1/98)
-011	Combustion Turbine Peaking Unit (Pre-NSPS) No. CTP 1
-012	Combustion Turbine Peaking Unit (Pre-NSPS) No. CTP 2
-009	Combustion Turbine Peaking Unit (Pre-NSPS) No. CTP 3
-010	Combustion Turbine Peaking Unit (Pre-NSPS) No. CTP 4

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

**Subsection C. Relevant Documents.**

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

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

- Table 1-1, Summary of Air Pollutant Standards and Terms
- Table 2-1, Summary of Compliance Requirements
- Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
- Appendix H-1, Permit History/ID Number Changes
- Statement of Basis

These documents are on file with the permitting authority:

- Initial Title V Permit Application received June 14, 1996.
- DRAFT Title V permit clerked on August 25, 1997.
- Mr. Scott Osbourn's letter received September 25, 1997.
- Mr. W. Jeffrey Pardue's letter received July 9, 1998.
- Mr. Scott H. Osbourn's letter dated August 27, 1998.
- ORDER EXTENDING PERMIT EXPIRATION DATE dated October 7, 1998.
- Mr. Winston A. Smith's letter dated December 4, 1998.
- Mr. C.H. Fancy's letter dated March 1, 1999.
- Mr. Winston A. Smith's letter received March 12, 1999.
- FINAL Title V Permit issued with effective date of January 1, 2000
- Title V Permit Renewal Application received on May 21, 2004.

**Section II. Facility-wide Conditions.**

**The following conditions apply facility-wide:**

1. APPENDIX TV-4, TITLE V CONDITIONS, is a part of this permit.  
{Permitting note: APPENDIX TV-4, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}

2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited.  
No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. 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, incorporated and adopted by reference in Chapter 62-297, F.A.C., shall be used to determine compliance with this condition.  
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]

4. Prevention of Accidental Releases (Section 112(r) of CAA).  
a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

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

and,

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

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

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

7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds Emissions or Organic Solvents Emissions. No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.

{Permitting note: Nothing has been deemed or ordered necessary by the Department to date.}

[Rule 62-296.320(1)(a), F.A.C.]

8. **Not federally enforceable.** Reasonable precautions should be taken to prevent emissions of unconfined particulate matter at this facility. Steps presently taken at the facility to minimize particulate emissions are as follows:

- ◆ Maintenance of paved areas as needed,
  - ◆ Regular mowing of grass and care of vegetation,
  - ◆ Limiting access to plant property by unnecessary vehicles; and,
  - ◆ Additional or alternative activities may be utilized to minimize unconfined particulate emissions.
- [Rule 62-296.320(4)(c)2., F.A.C.; and, 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 Central District office:

Department of Environmental Protection  
Central District Office  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767  
Telephone: 407/894-7555  
Fax: 407/897-2966

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 Compliance Section  
61 Forsyth Street  
Atlanta, Georgia 30303  
Telephone: 404/562-9099  
Fax: 404/562-9095

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 condition No. 52., Appendix TV-2, 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 unit(s).**

**E.U.**

<b><u>ID Nos.</u></b>	<b><u>Brief Description</u></b>
-011	Combustion Turbine Peaking Unit CTP 1
-012	Combustion Turbine Peaking Unit CTP 2
-009	Combustion Turbine Peaking Unit CTP 3
-010	Combustion Turbine Peaking Unit CTP 4

The above referenced combustion turbine peaking units (CTP) can only fire new No. 2 fuel oil having a maximum sulfur content of 0.5 percent, by weight. CTP 1 and CTP 2 each have a maximum heat input of 286 MMBtu/hour at 59° F and each power a generator rated at 18.0 MW (megawatts of electricity). CTP 3 and CTP 4 each have a maximum heat input of 930 MMBtu/hour at 59° F and each power a generator rated at 82.0 MW. Pollutant emissions are not controlled and each turbine exhausts through a separate stack. These emissions units are pre-NSPS and not subject to the Acid Rain Program. CTP 1 and CTP 2 began commercial service on October 9, 1970. CTP 3 and CTP 4 began commercial service on June 14, 1974.

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

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

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

**A.1. Permitted Capacity.** CTP 1 and CTP 2 each have a maximum heat input of 286 MMBtu/hour at 59° F and each power a generator rated at 18.0 MW (megawatts of electricity). CTP 3 and CTP 4 each have a maximum heat input of 930 MMBtu/hour at 59° F and each power a generator rated at 82.0 MW. At other ambient temperatures, the units shall be operated in accordance with established performance curves, which will be made available at the site during compliance testing.

{Permitting note: The heat input limitations have been placed in the permit to identify the capacity of each emissions unit for purposes of confirming that emissions testing is conducted within 90-100 percent of the emissions unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate limits and to aid in determining future rule applicability.}

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, AO 64-176745A]

**A.2. Emissions Unit Operating Rate Limitation After Testing.** See specific condition **A.13**.

**A.3. Methods of Operation - Fuels.** Only new No. 2 fuel oil shall be fired in these turbines.  
[Rules 62-4.160(2) and 62-213.440(1), F.A.C.; and, AO 64-176745A]

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

### **Emission Limitations and Standards**

{Permitting note: Table 1-3, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

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

A.5. Visible Emissions. Visible emissions from each turbine shall not be equal to or greater than 20 percent opacity.  
[Rule 62-296.320(4)(b)1., F.A.C.; and, AO 64-176745.]

A.6. Sulfur Content. The sulfur content of the new No. 2 fuel oil shall not exceed 0.5 percent, by weight.  
[Rule 62-213.440, F.A.C.; and AO 64-176745.]

### **Excess Emissions**

A.7. Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.  
[Rule 62-210.700(1), F.A.C.]

A.8. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.  
[Rule 62-210.700(4), F.A.C.]

### **Monitoring of Operations**

A.9. The permittee shall demonstrate compliance with the sulfur content limit with a fuel analysis provided by the vendor or the permittee for each liquid fuel delivery. See specific condition A.12.  
[Rule 62-213.440, F.A.C.; and, AO 64-176745.]

#### **A.10. Determination of Process Variables**

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

(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.  
[Rule 62-297.310(5), F.A.C.]

## Test Methods and Procedures

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

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

A.12. The fuel sulfur content, percent by weight, provided by the vendor or permittee for each delivery of liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90, both ASTM D4057-88 and ASTM D129-91, or the latest edition, or ASTM D1552-90, or an equivalent method after Department approval,  
[Rules 62-213.440 and 62-297.440, F.A.C.]

### A.13. Operating Rate During Testing

Testing of emissions shall be conducted with the emissions unit operating at capacity. Capacity is defined as 90 - 100 percent of the manufacturer's rated heat input achievable for the average ambient (or conditioned) air temperature during the test. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than capacity. In such cases, the entire heat input vs. inlet temperature curve will be adjusted by the increment equal to the difference between the design heat input value and 110 percent of the value reached during the test, provided however, operations do not exceed 100 percent of the maximum operation rate allowed by this permit. Data, curves, and calculations necessary to demonstrate the heat input rate correction at both design and test conditions shall be submitted to the Department's local office with the compliance test report.  
[Rules 62-297.310(2) & (2)(a), F.A.C.; and, requested by the applicant on September 25, 1997]

### A.14. Applicable Test Procedures

#### (a) Required Sampling Time.

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

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

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

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

#### (a) General Compliance Testing.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department

shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

a. Did not operate; or,

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

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

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

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

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

(b) Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

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

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

A.16. Visible Emissions Testing - Annual. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning only liquid fuels for less than 400 hours per year.

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

### **Record keeping and Reporting Requirements**

A.17. Malfunction Reporting. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

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

### A.18. Test Reports

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

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

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

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

**Operated by: Progress Energy Florida, Inc.**  
**ORIS code: 0629**

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

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

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

- 002 Fossil Fuel Fired Steam Generator - SG 2 (Permanently Retired 1/1/98)
- 003 & -004 Fossil Fuel Fired Steam Generator - SG 3 (Permanently Retired 1/1/98)
- 005 & -006 Fossil Fuel Fired Steam Generator - SG 4 (Permanently Retired 1/1/98)

A.1. The "Retired Unit Exemption" form submitted for this facility constitutes the Acid Rain Part application pursuant to 40 CFR 72.8 and is a part of this permit. The owners and operators of these acid rain units shall comply with the standard requirements and special provisions set forth in DEP Form No. 62-210.900(1)(a)3., dated June 16, 2003, and signed by the designated representative on April 26, 2004. These units are subject to the following: 40 CFR 72.1, which requires the units to have an Acid Rain Part as part of its Title V permit; 40 CFR 72.2, which provides associated definitions; 40 CFR 72.3, which provides measurements, abbreviations, and acronyms; 40 CFR 72.4, which provides the federal authority of the Administrator; 40 CFR 72.5, which provides the authority of the states; 40 CFR 72.6, which makes the boilers Phase II units; 40 CFR 72.10, which gives the public access to information about these units; and, 40 CFR 72.13, which incorporates certain ASTM methods into 40 CFR Part 72.

[Chapter 62-213 and Rule 62-214.340, F.A.C.]

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

E.U. ID Nos.	EPA ID	Year	2005	2006	2007	2008	2009
-002	2	SO2 allowances, under Table 2 of 40 CFR Part 73	543*	543*	543*	543*	543*
-003 & -004	3	SO2 allowances, under Table 2 of 40 CFR Part 73	718*	718*	718*	718*	718*
-005 & -006	4	SO2 allowances, under Table 2 of 40 CFR Part 73	611*	611*	611*	611*	611*

\*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.

A.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.]

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

[Rules 62-213.413 and 62-214.370(4), F.A.C.]

A.5. Comments, notes, and justifications: None.

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

Progress Energy Florida, Inc.  
Turner Power Plant  
Facility ID No.: 1270020

---

**Permit History (for tracking purposes):**

E.U.

<u>ID No</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date</u>	<u>Revised Date(s)</u>
-003	FFSG Unit #3 Stack "A"	AO64-185095	10/31/90	09/25/95	8/14/96	
-004	FFSG Unit #3 Stack "B"	AO64-185095	10/31/90	09/25/95	8/14/96	
-005	Unit #4 - Stack "A"	AO64-185095	10/31/90	09/25/95	8/14/96	
-006	Unit #4 - Stack "B"	AO64-185095	10/31/90	09/25/95	8/14/96	
-009	Peaking Unit #3 Oil Fired Gas Turbine	AO64-176745	07/03/90	01/15/96		
-010	Peaking Unit #4 Oil Fired	AO64-176745	07/03/90	01/15/96		
-011	Peaking Gen. Turbine P1	AO64-176745	07/03/90	01/15/96		
-012	Peaking Gen. Turbine P2	AO64-176745	07/03/90	01/15/96		

---

**(if applicable) ID Number Changes (for tracking purposes):**

From: Facility ID No.: 30ORL640020

To: Facility ID No.: 1270020

---

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., effective 03/20/96, allows Title V Sources to operate under existing valid permits}

**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	Oil Water Separators
4	Hazardous Waste Building
5	Parts Washers/Degreasers
6	Waste Oil Storage Tanks
7	Lube Oil Storage Building
8	Portable Unleaded Gasoline Tank
9	No. 2 Diesel Fuel Tank
10	Surface Coating and Solvent Cleaning



Progress Energy Florida, Inc.  
Turner Power Plant

**DRAFT Permit No.:** 1270020-002-AV  
**Facility ID No.:** 1270020

**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.

Brief Description of Emissions Units and/or Activities:

<b>Emissions Unit</b>	<b>Description</b>
-xxx	General Purpose Engines
-xxx	Fuel Storage Tanks
-xxx	Emergency Generators

**Table 1-1, Air Pollutant Emission Allowables and Terms**

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

-011		Combustion Turbine Peaking Unit CTP 1							
-012		Combustion Turbine Peaking Unit CTP 2							
			Allowable Emissions			Equivalent Emission <sup>1</sup>			
Pollutant Name	Fuel(s)	Hours/Year	Standards	lbs/hour	TPY	lb/hour	TPY	Regulatory Citation(s)	See Permit Condition(s)
Visible Emissions	New No. 2 F.O.	8760	< 20% Opacity					Rule 62-296.320(4)(b)1., F.A.C.	A.5
Sulfur Dioxide	New No. 2 F.O.	8760	max. 0.50% S by wt.			142.56 <sup>2</sup>	624.43 <sup>2</sup>	Rule 62-213.440, F.A.C.	A.6

-009		Combustion Turbine Peaking Unit CTP 3							
-010		Combustion Turbine Peaking Unit CTP 4							
			Allowable Emissions			Equivalent Emission <sup>1</sup>			
Pollutant Name	Fuel(s)	Hours/Year *	Standards	lbs/hour	TPY	lb/hour	TPY	Regulatory Citation(s)	See Permit Condition(s)
Visible Emissions	New No. 2 F.O.	8760	< 20% Opacity					Rule 62-296.320(4)(b)1., F.A.C.	A.5
Sulfur Dioxide	New No. 2 F.O.	8760	max. 0.50% S by wt.			476.92 <sup>3</sup>	2088.92 <sup>3</sup>	Rule 62-213.440, F.A.C.	A.6

<sup>1</sup> The "Equivalent Emissions" listed are for informational purposes only.

<sup>2</sup> Emissions based on a maximum heat input of 286 MMBtu/hr. at 59°F, operating 8760 hr/yr., and maximum F.O. sulfur content of 0.50 %, by wt.

<sup>3</sup> Emissions based on a maximum heat input of 930 MMBtu/hr. at 59°F, operating 8760 hr/yr., and maximum F.O. sulfur content of 0.50 %, by wt.

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

**Table 2-1, Compliance Testing Requirements**

E.U. ID Nos.		Brief Description					
011:		CTP 1					
012:		CTP 2					
009:		CTP 3					
010:		CTP 4					
Pollutant Name or parameter	Fuel(s)	EPA/Reference Method	Testing Time or Frequency	Frequency Base Date <sup>2</sup>	Min. Compl. Test Time	CMS	Permit Condition(s)
SO <sub>2</sub>	Oil	F.O. Analysis <sup>1</sup>	Per Delivery <sup>1</sup>		NA		A.12
VE	Oil	EPA Meth. 9	Annual <sup>3</sup>		1 Hour		A. 11,14,15 & 16

<sup>1</sup> Sulfur content of the fuel oil shall be provided by the supplier or permittee for every delivery.

<sup>2</sup> Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.

<sup>3</sup> Test not required in years that fuel oil is fired less than 400 hours. If a combustion turbine is operated less than 400 hours per year, test is only required once every 5 years, during the year prior to renewal.

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

**PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT RENEWAL**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT Permit Project No. **1270020-002-AV**  
**Turner Power Plant**  
Volusia County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Title V Air Operation Permit Renewal to Progress Energy Florida, Inc. for the Turner Power Plant, located at 201 Debarry Avenue, Deltona, Volusia County. The applicant's name and address are: Mr. Martin Drango, Responsible Official, Progress Energy Florida, Inc., P.O. Box 14042, St. Petersburg, FL 33733.

This facility consists of four simple cycle combustion turbine (CT) peaking units, all of which are pre-NSPS sources. The CT's may only fire new No. 2 fuel oil having a maximum sulfur content of 0.5 percent, by weight. Each CT exhausts through a separate stack. Emissions from the CT are uncontrolled. Because these emission units have no add-on control devices, they are not subject to CAM. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

The Initial DRAFT Title V permit contained three (3) existing steam generating emissions units, which were SG 2, SG 3, and SG 4. On January 1, 1998, they were permanently retired. All references made to these emissions units have been deleted from the text and tables. However, they are still referenced in the Acid Rain Part, which is Section IV of the permit.

The permitting authority will issue the PROPOSED Permit, and subsequent FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed DRAFT Permit issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit, the permitting authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2242; Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code (F.A.C.).

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address and telephone number of the petitioner; name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how petitioner's substantial rights will be affected by the agency determination;
- (c) A statement of how and when the petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so state;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle petitioner to relief;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Permitting Authority:

Department of Environmental Protection  
 Bureau of Air Regulation  
 111 South Magnolia Drive, Suite 4  
 Tallahassee, Florida 32301  
 Telephone: 850/488-0114  
 Fax: 850/922-6979

Affected District/Local Program:

Department of Environmental Protection  
 Central District Office  
 3319 Maguire Boulevard, Suite 232  
 Orlando, Florida 32803-3767  
 Telephone: 407/894-7555  
 Fax: 407/897-2966

The complete project file includes the DRAFT Permit Renewal, the application for renewal, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Program Administrator, Permitting South Section, at the above address, or call 850/488-0114, for additional information.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the matter of: )  
 )  
Florida Power Corporation )  
Turner Unit No. 4, )  
 )  
Petitioner. )  
\_\_\_\_\_ )

Permit No. AO 64-185095

TFR-92-A-01

RECEIVED

MAR 15 1993

Environmental Regs  
Department

ORDER ON REQUEST  
FOR  
REDUCTION IN SEMIANNUAL  
PARTICULATE EMISSIONS COMPLIANCE TESTING

Pursuant to Rule 17-296.405(1)(a), Florida Administrative Code (F.A.C.), Florida Power Corporation, petitioned for approval to reduce the frequency of particulate emissions compliance testing from a semiannual cycle to an annual cycle for Petitioner's Turner Unit No. 4, operation permit number AO 64-185095, located in Volusia County.

Having considered Petitioner's written request and all supporting documentation, the following Findings of Fact, Conclusions of Law, and Order are entered:

FINDINGS OF FACT

1. On April 2, 1992, Petitioner requested a reduction in the frequency of particulate emission compliance testing for the fossil fuel-fired steam generator known as Turner Unit No. 4. [Exhibit 1]
2. Petitioner asked that the frequency of particulate emission compliance testing be reduced from the semiannual cycle required by the Notice of Revocation Order, OGC File No. 86-1579, to an annual cycle. [Exhibit 1]
3. The petition and supporting documentation indicate that Petitioner has conducted the required semiannual particulate emission compliance tests. [Exhibits 1 & 2]
4. Petitioner's submissions included the results of fourteen particulate emission tests that were performed while Turner Unit No. 4 was operating at steady state conditions and ten particulate emission tests that were performed while soot blowing operations were being conducted. [Exhibits 1 & 2]
5. The results of the particulate emission tests indicate

that Turner Unit No. 4 was in compliance with the applicable emission limiting standard for particulate matter from February 1990 through February 1992. [Exhibits 1 & 2]

#### CONCLUSIONS OF LAW

1. The Department has jurisdiction to consider Petitioner's request pursuant to Section 403.061, Florida Statutes, and Rule 17-296.405(1)(a), F.A.C..

2. Pursuant to Rule 17-296.405(1)(a), F.A.C., the Department may reduce the required frequency of particulate matter compliance testing from a semiannual cycle to an annual cycle based upon showing that the affected source has regularly complied with the mass emission limiting standard for particulate matter.

3. Pursuant to Rule 17-4.080, F.A.C., Petitioner may apply for changes to permit conditions and the Department may grant the request by requiring Petitioner to conform to new or additional requirements.

4. Pursuant to Rule 17-297.340(2), F.A.C., the Department may require the owner or operator of an air pollution source to conduct compliance testing whenever the Department has good reason to believe an applicable emission limiting standard is being violated.

5. Pursuant to Rules 17-4.070(3), 17-4.070(5), and 17-4.080(1), F.A.C., the Department may require Petitioner to return to the more frequent testing schedule in Rule 17-296.405(1)(a), F.A.C., if the emission limiting standard for particulate matter is not regularly complied with.

#### ORDER

Having considered Petitioner's written request and supporting documentation, it is hereby ordered that:

1. Petitioner's request for a reduction in the frequency of particulate matter compliance testing is granted;

2. During each federal fiscal year (October 1 - September 30), Petitioner shall conduct one steady-state particulate emission compliance test of Turner Unit No. 4 and one particulate emission compliance test of Turner Unit No. 4 while it is being operated under soot blowing conditions;

3. Visible emissions from Turner Unit No. 4 shall not exceed forty (40) percent opacity, except as allowed by Rule 17-210.700, F.A.C.;

4. The annual particulate compliance test frequency specified in this order shall supersede the semiannual particulate compliance testing frequency specified for Turner Unit No. 4 in operation permit AO 64-185095;

5. Pursuant to Rule 17-297.340(2), F.A.C., the Department reserves the right to require particulate matter compliance testing whenever the Department has good reason to believe the emission limiting standard for particulate is being violated; and,

6. Pursuant to Rules 17-4.070(3), 17-4.070(5), and 17-4.080(1), F.A.C., the Department reserves the right to require Petitioner to return to the more frequent testing schedule in Rule 17-296.405(1)(a), F.A.C., if the emission limiting standard for particulate matter is not regularly complied with.

#### PETITION FOR ADMINISTRATIVE REVIEW

1. A person whose substantial interests are affected by the Department's decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 21 days of receipt of this Order. Petitioner shall mail a copy of the petition to the applicant at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

2. The petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, and the Department File Number;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's actions or proposed action.



3. If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Order. Persons whose substantial interests will be affected by any decision of the Department with regard to the applicant have the right to petition to become a party to the proceeding. The petition must conform with the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C..

4. This Order constitutes final agency action unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070. F.A.C. Upon timely filing of a petition or a request for an extension of time this Order will not be effective until further Order of the Department.

RIGHT TO APPEAL

Any party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Notice of Agency Action is filed with the Clerk of the Department.

DONE AND ORDERED this 11 day of March, 1993 in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

Virginia B. Wetherell  
VIRGINIA B. WETHERELL  
Secretary  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

(904) 488-4805

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing Order has been mailed, postage prepaid, to W. Jeffrey Pardue, Manager, Environmental Programs, Florida Power Corporation, P.O. Box 14042, St. Petersburg, Florida 33733, this 12th day of March, 1993.



E. G. ESTEVEZ  
Assistant General Counsel

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

Telephone (904) 488-9730