



RECEIVED

MAR 02 2010

BUREAU OF AIR REGULATION

February 25, 2010

Certified Mail: 7009 0820 0001 5128 6298

Mr. Al Linero, PE Administrator
Air Permitting Section – Special Projects
Bureau of Air Regulation
Florida Department Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399

Re: Request for Extension of Air Construction Permit Expiration Date
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
P.L. Bartow Power Plant – Repower Project; Facility ID No: 1030011
Air Permit No. 1030011-015-AC; 010-AC and 012-AC / PSD-FL-381A

File: 1030011-017-AC

Dear Mr. Linero:

On May 4, 2009, Progress Energy Florida (PEF) submitted an air application for revision and renewal of the Title V air permit for the Bartow Power Plant. (1030011-009-AV). This application requested revisions to incorporate conditions related to the repowering project, which were addressed under Air Permit Nos. 1030011-010-AC and 1030011-012-AC. As some of the revisions also reflect requested changes to these referenced air construction permits, it was requested that the Department conduct concurrent processing of the construction and operating permit revisions. This permitting action resulted in the issuance of revised construction and operating permits, referenced as 1030011-015-AC and 1030011-016-AV, respectively.

The purpose of this letter is to request a two year extension to the expiration date of the most recently issued revised air construction permit (referenced above), as well as Permit No. 1030011-010-AC / PSD-FL-381A. This construction permit, which was issued on January 29, 2007 and expires on March 31, 2010, authorized the construction of four (4) combustion turbines capable of operating in simple-cycle or combined-cycle mode to replace three (3) oil-fired steam units that have been permanently shut down and are scheduled for demolition. In addition, the referenced AC permit authorized the construction of a fifth combustion turbine, designated for operation in simple cycle mode, an auxiliary boiler, a fifth gas-fired heater and ancillary support equipment including two (2) large No. 2 fuel oil storage tanks.

This permit extension request is being submitted because the fifth simple-cycle combustion turbine, the associated fifth gas-fired heater and the auxiliary boiler have not yet been constructed due to current economic conditions. PEF has experienced a significant reduction in demand growth in Florida and this decline in expected demand resulted in a diminished need for the additional generating capacity in the timeframe originally envisioned.

Progress Energy Florida, Inc.
Bartow Combined Cycle Plant
1601 Weedon Island Dr. NE
St. Petersburg, FL 33702

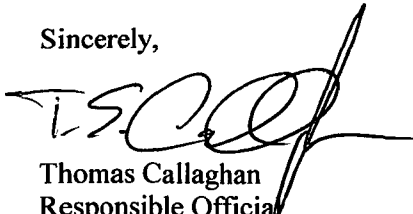
Al Linero, PE Administrator
Request for Bartow Repower AC Permit Extension
Facility ID No: 1030011
February 22, 2010
Page 2 of 2

Progress Energy had previously advised the Department in comments on the draft air construction permit that it was likely an extension of the permit expiration date would be necessary (refer to PEF's letter to the Department, dated June 18, 2008). The requested extension to the air construction permit expiration date will provide PEF with the opportunity to determine when, or if, the construction of these additional emission units (the 195 MW (ISO) simple-cycle CT, gas heater and auxiliary boiler) are necessary to meet projected demand growth in the foreseeable future, without committing substantial financial resources to their construction before the need arises.

PEF is requesting the extension of Permit No. 1030011-010-AC, pursuant to Rule 62-4.080(3), Florida Administrative Code (F.A.C.), which authorizes the extension of a permit as a modification. The rule also specifies that the request must be submitted to the Department in writing before the expiration date, which is March 31, 2010.

If you have any questions, please contact Chris Bradley via telephone at (727) 82-5962 or via electronic mail at Chris.Bradley@pgnmail.com.

Sincerely,



Thomas Callaghan
Responsible Official
P.L. Bartow Plant

Cc: Wayne Martin, Pinellas County Air Quality Division
Ms. Cindy Zhang-Torres, P.E. FDEP SW District, Air Permitting Section
Scott Osbourn, PE, Golder Associates



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

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

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

Air Operation Permit – Use this form to apply for:

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

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Florida Power Corp. d/b/a Progress Energy Florida, Inc.	
2. Site Name: P. L. Bartow Plant	
3. Facility Identification Number: 1030011	
4. Facility Location... Street Address or Other Locator: Weedon Island City: St. Petersburg County: Florida Zip Code: 33733	
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: Chris Bradley, Sr. Environmental Specialist	
2. Application Contact Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: 299 First Avenue North, PEF 903 City: St. Petersburg State: Florida Zip Code: 33701	
3. Application Contact Telephone Numbers... Telephone: (727) 820-5962 ext. Fax: (727) 820-5229	
4. Application Contact E-mail Address: Chris.Bradley@pgnmail.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application: 3/2/10	3. PSD Number (if applicable):
2. Project Number(s): 1030011 - 017-AC	Siting Number (if applicable):

Purpose of Application

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

Air Construction Permit

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

Air Operation Permit

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

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

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

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

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

Application Comment

The purpose of this application is to request a two (2) year extension of Air Construction Permit No. 1030011-015-AC. Specifically, the request is for additional time to construct

1. Unit 5 – 195 MW (ISO) Combustion Turbine
2. 99 MMbtu/hr Auxiliary Boiler
3. One gas-fired process heater included in EU 044; i.e., four of the process heaters have been constructed.

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 E-mail Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.</i> _____ Signature Date

APPLICATION INFORMATION

Application Responsible Official Certification

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

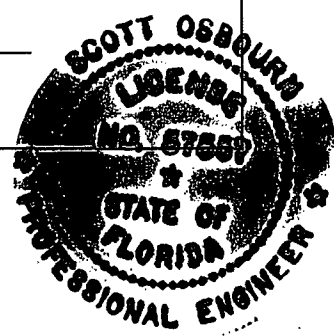
1. Application Responsible Official Name: <i>Thomas Callaghan, Plant Manager</i>
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president 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, CAIR source, or Hg Budget source.
3. Application Responsible Official Mailing Address... Organization/Firm: Progress Energy Florida, Inc. Street Address: 299 First Avenue North, BR 44 City: St. Petersburg State: Florida Zip Code: 33701
4. Application Responsible Official Telephone Numbers... Telephone: (727) 827-6161 ext. Fax: (727) 827-6298
5. Application Responsible Official E-mail Address: Tom.Callaghan@pgnmail.com
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>2/25/10</u>

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Scott H. Osbourn Registration Number: 57557
2. Professional Engineer Mailing Address... Organization/Firm: Golder Associates Inc. ** Street Address: 5100 West Lemon Street, Suite 114 City: Tampa State: FL Zip Code: 33609
3. Professional Engineer Telephone Numbers... Telephone: (813) 287-1717 ext. 53304 Fax: (813) 287-1716
4. Professional Engineer E-mail Address: sosbourn@golder.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> (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 checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> (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> _____ Signature (seal)

Date 1/25/10



* Attach any exception to certification statement.
** Board of Professional Engineers Certificate of Authorization #00001670