

Friday, Barbara

From: Quillian, Ann [Ann.Quillian@pgnmail.com]
Sent: Monday, October 23, 2006 10:57 AM
To: Friday, Barbara; Jeff.Swartz@pgnmail.com; worley.gregg@epa.gov
Cc: Koerner, Jeff
Subject: RE: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

Your e-mail with seven (7) attachments was received.

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

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Monday, October 23, 2006 9:34 AM
To: Jeff.Swartz@pgnmail.com; Quillian, Ann; worley.gregg@epa.gov
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

Dear Sir/Madam:

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

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

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

Friday, Barbara

From: Koerner, Jeff
To: Friday, Barbara
Sent: Monday, October 23, 2006 11:22 AM
Subject: Read: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

Your message

To: Nasca, Mara
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant
Sent: 10/23/2006 9:34 AM

was read on 10/23/2006 11:22 AM.

Friday, Barbara

From: Swartz, Jeffrey [Jeffrey.Swartz@pgnmail.com]
Sent: Monday, October 23, 2006 1:23 PM
To: Friday, Barbara
Cc: Quillian, Ann; Hamilton, Suzanne
Subject: RE: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

The plant has received your e-mail with 7 attachments. Thanks,
-Jeff

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

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Monday, October 23, 2006 12:14 PM
To: Swartz, Jeffrey
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

Dear Sir/Madam:

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

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Thank you,

DEP, Bureau of Air Regulation

Friday, Barbara

To: jeffrey.swartz@pgnmail.com
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant
Attachments: 1010017008ProposedCoverLetter.pdf; 1010017008 CP-1.pdf; 1010017008 H.pdf; 1010017008 pd.pdf; 1010017008 prop.pdf; 1010017008 sob prop.pdf; 1010017008 U.pdf

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Thank you,

DEP, Bureau of Air Regulation

10/23/2006

Friday, Barbara

From: Quillian, Ann [Ann.Quillian@pgnmail.com]
To: Friday, Barbara
Sent: Monday, October 23, 2006 9:53 AM
Subject: Read: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

Your message

To: Ann.Quillian@pgnmail.com
Subject:

was read on 10/23/2006 9:53 AM.

Friday, Barbara

From: EPA Postmaster automated message [postmaster@epamail.epa.gov]
Sent: Monday, October 23, 2006 9:37 AM
To: Friday, Barbara
Subject: Delivery Notification: Message successfully forwarded

Attachments: ATT123550.txt; ATT123550.txt



ATT123550.txt
(626 B)



ATT123550.txt (2
KB)

This report relates to a message you sent with the following header fields:

Message-id: <5280B20498F24C46A51A87E86A0C8F97038BF0@tlhexsmb5.floridadep.net>
Date: Mon, 23 Oct 2006 09:34:09 -0400
From: "Friday, Barbara" <Barbara.Friday@dep.state.fl.us>
To: Jeff.Swartz@pgnmail.com, Ann.Quilllian@pgnmail.com,
worley.gregg@epamail.epa.gov
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress
Energy Florida, Inc. - Anclote Power Plant

Your message has been successfully relayed to the recipients

Recipient address: worley.gregg@mseive.epa.gov
Original address: worley.gregg@epa.gov
Reason: Message successfully relayed to a system that does not support receipts
Diagnostic code: dns;mseive01.rtp.epa.gov (TCP|134.67.208.99|1846|134.67.221.149|25)
(mseive01.rtp.epa.gov ESMTTP Postfix) smtp;250 Ok
Remote system: dns;mseive01.rtp.epa.gov (TCP|134.67.208.99|1846|134.67.221.149|25)
(mseive01.rtp.epa.gov ESMTTP Postfix)

on a remote system that does not support the generation of successful delivery receipts. This does NOT mean that your message has actually been placed in the recipients' mailboxes; merely that it has passed through a part of the message transport infrastructure. In the event of a nondelivery you should expect to receive a nondelivery notification; in the event of successful delivery, however, you are unlikely to receive a positive confirmation of delivery.

Friday, Barbara

To: Jeff.Swartz@pgnmail.com; Ann.Quillian@pgnmail.com; worley.gregg@epa.gov
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant
Attachments: 1010017008ProposedCoverLetter.pdf; 1010017008 CP-1.pdf; 1010017008 H.pdf; 1010017008 pd.pdf; 1010017008 prop.pdf; 1010017008 sob prop.pdf; 1010017008 U.pdf

Dear Sir/Madam:

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Thank you,

DEP, Bureau of Air Regulation

Friday, Barbara

To: Nasca, Mara
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant
Attachments: 1010017.008.AV.P_pdf[1].zip

Dear Sir/Madam:

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Thank you,

DEP, Bureau of Air Regulation

10/23/2006

Friday, Barbara

From: System Administrator
To: Nasca, Mara
Sent: Monday, October 23, 2006 9:34 AM
Subject: Delivered: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant

Your message

To: Nasca, Mara
Cc: Koerner, Jeff
Subject: PROPOSED Title V Permit Revision No.: 1010017-008-AV - Progress Energy Florida, Inc. - Anclote Power Plant
Sent: 10/23/2006 9:34 AM

was delivered to the following recipient(s):

Nasca, Mara on 10/23/2006 9:34 AM



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

October 19, 2006

{Sent by Electronic Mail}

Mr. Jeff Swartz
Florida Power Corporation dba Progress Energy Florida, Inc.
1729 Baillies Bluff Road
Holiday, Florida 34691

Re: Title V Air Operation Permit Revision
PROPOSED Permit Project No. 1010017-008-AV
Revision to Title V Air Operation Permit No. 1010017-006-AV
Anclote Power Plant – Incorporation of Cooling Tower Project

Dear Mr. Swartz:


One copy of the “PROPOSED Determination” for the Title V Air Operation Permit Revision for the Anclote Power Plant located at 1729 Baillies Bluff Road, Holiday in Pasco County, is enclosed. This letter is only a courtesy to inform you that the DRAFT Permit has become a PROPOSED Permit.

An electronic version of this determination has been posted on the Division of Air Resources Management’s web site for the United States Environmental Protection Agency (USEPA) Region 4 office’s review. The web site address is:

“<http://www.dep.state.fl.us/air/eproducts/ards/default.asp>”

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the PROPOSED Permit is made by the USEPA within 45 days, the PROPOSED Permit will become a FINAL Permit no later than 55 days after the date on which the PROPOSED Permit was mailed (posted) to USEPA. If USEPA has an objection to the PROPOSED Permit, the FINAL Permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

If you should have any questions, please contact Jeff Koerner at 850-921-9536.

Sincerely,

Trina Vielhauer, Chief
Bureau of Air Regulation

TV/JFK/rlb

Enclosures

Electronic copies sent to:

Mr. Jeff Swartz, Florida Power Corporation dba Progress Energy Florida, Inc.
Ms. Ann Quillian, Progress Energy Florida, Inc.
Ms. Mara Nasca, SWD Office
Mr. Gregg Worley, EPA Region 4

“More Protection, Less Process”

Printed on recycled paper.

PROPOSED PERMIT DETERMINATION

Public Notice

An “INTENT TO ISSUE TITLE V AIR OPERATION PERMIT REVISION” to Florida Power Corporation dba Progress Energy Florida, Inc. for the Anclote Power Plant located at 1729 Baillies Bluff Road, Holiday in Pasco County was clerked on August 29, 2006. The “PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT REVISION” was published in the St. Petersburg Times (North Pinellas and Pasco County editions) on September 9, 2006. The DRAFT Permit was available for public inspection at the Southwest District Office in Tampa and the permitting authority’s office in Tallahassee. No petitions for administrative hearings or extensions of time to petition for an administrative hearing were filed.

Public Comments

No comments on the Draft Permit were received from the public, the Department’s Southwest District Office, or EPA Region 4. As described below, the applicant provided minor comments and clarifications.

1. *Comment:* Please clarify the name of the permittee as Florida Power Corporation dba Progress Energy Florida, Inc. throughout the permit as needed.

Response: The permittee’s name is updated as requested.

2. *Comment:* In the Facility Description on page 2 under Subsection A of Section I, please revise to clarify the description as follows:

E.U. ID No. ~~Unit~~ 007 consists of two mechanical draft helper cooling towers designed with a circulating water flow rate of 660,000 gallons per minute and drift rate of 0.0005% to control PM/PM10 emissions.

Response: The clarification was made.

3. *Comment:* In the Compliance Plan (CP-1) and Specific Condition I on page 25 under Subsection C of Section 3, the units for the flow rate per tower are missing and should be clarified to read as follows:

“Cooling Tower: The permittee is authorized to construct and operate two new mechanical draft cooling towers, 12 cells each, with the following nominal design characteristics: a circulating flow rate of 660,000 gallons per minute (330,000 gpm per tower); a design air flow of 36,000,000 acfm for both towers (18,000,000 acfm per tower and 1,500,000 acfm per cell); drift eliminators and a drift rate of no more than 0.0005% of the circulating water flow for each tower. [Application No. 1010017-007-AC, Design]”

Response: CP-1 and the specific condition were corrected as requested.

4. *Comment:* In the Permitting Note on page 25 under Subsection C of Section III, correct the regulatory citation as follows.

{Permitting note: These emissions units are regulated under ~~62-3213.200~~ 62-212.300, F.A.C., General Preconstruction Review Requirements; 62-212.400, F.A.C., Prevention of Significant Deterioration; Rule 62-296.320, F.A.C.}

Response: The correction was made.

Conclusion

The permitting authority hereby issues the PROPOSED Permit, with any changes noted above.

STATEMENT OF BASIS

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

Title V Air Operation Permit Revision
PROPOSED Permit Project No. 1010017-008-AV
Revision to Title V Air Operation Permit No. 1010017-006-AV

Renewed Title V Air Operation Permit No. 1010017-006-AV was issued on December 21, 2004. This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawings, plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

This existing facility consists of two fuel oil fired steam electric generating stations, E.U. ID No. -001 (Unit No. 1) and -002 (Unit No. 2). Unit No. 1 consists of a Combustion Engineering, Inc., Controlled Circulation, Radiant Reheat (CCRR) Type boiler/steam generator and steam turbine which drives a generator with a nameplate rating of 535 (summer)/540 (winter) Megawatts. Unit No. 2 consists of a Combustion Engineering, Inc., CCRR Type boiler/steam generator and steam turbine which drives a generator with a nameplate rating of 525 (summer)/530 (winter) Megawatts. Units No. 1 and No. 2 share a common stack. Also included in this permit are miscellaneous unregulated and insignificant emissions units and/or activities. Relocatable diesel fired generator(s) with a maximum heat input of 25.74 MMBtu/hour and a maximum rating of 2460 Kilowatts are permitted to be located at this facility and may be relocated to other Progress Energy facilities. CAM does not apply for any emission units at this facility.

Based on the Title V Air Operation Permit Revision application received July 12, 2006, this facility is a major source of hazardous air pollutants (HAPs).

The subject of this permit revision is to incorporate the terms and conditions of air construction Permit No. 1010017-007-AC for two new mechanical draft cooling towers to replace the two existing cooling towers. The new units will be regulated units, and will be required to report annual PM and PM₁₀ emissions. The air construction permit is being processed concurrently with this permit revision. Construction of the new cooling towers has not begun, and a compliance plan will accompany this permit revision for the installation and proper operation of the new cooling towers. The compliance plan will require the permittee to certify that the cooling towers were constructed and installed to achieve the specific drift rate of no more than 0.0005% of the circulating flow rate within 60 days of commencing commercial operation.

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

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

[Air Construction Permit 1010017-007-AC]

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

Appendix H-1, Permit History/ID Number Changes

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

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

Permit History (for tracking purposes):

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

ID Number Changes (for tracking purposes):

From: **Facility ID No.:** 40TPA510017

To: **Facility ID No.:** 1010017

Notes:

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

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

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

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

PROPOSED Permit No.: 1010017-008-AV

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

Unregulated Emissions Units and/or Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

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