From:

Meyer, Dave [Dave.Meyer@pgnmail.com]

To:

Friday, Barbara

Sent:

Subject:

Wednesday, December 27, 2006 8:04 AM Read: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida,

Inc. - Crystal River Power Plant

Your message

To:

Dave.Meyer@pgnmail.com

Subject:

was read on 12/27/2006 8:04 AM.

From: Meyer, Dave [Dave.Meyer@pgnmail.com]
Sent: Wednesday, December 27, 2006 8:06 AM

To: Friday, Barbara

Subject: RE: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. -

Crystal River Power Plant

Hi Barbara,

I read your email today. Thanks very much!

Best Regards, Dave

----Original Message----

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]

Sent: Wednesday, December 20, 2006 2:50 PM

To: Cumbie, Bernie M.; Meyer, Dave; sosbourn@golder.com; Zhang-Torres

Cc: Holtom, Jonathan

Subject: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. - Crystal

River 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,

To:

bernie.cumbie@pgnmail.com; 'dave.meyer@pgnmail.com'; sosbourn@golder.com; Zhang-

Torres

Cc:

Holtom, Jonathan

Subject:

PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. -

Crystal River Power Plant

Attachments: revised 0170004-015-AV-P Permit.pdf; TV-6.pdf; 0170004-015-AV-P SOB.pdf;

0170004015ProposedCoverLetter.pdf; Appendix A.pdf; Appendix Y.pdf

Dear Sir/Madam:

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

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

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 Engineerof-Record.

Thank you,

From: Cumbie, Bernie M. [Bernie.Cumbie@pgnmail.com]

Sent: Friday, December 22, 2006 10:19 AM

To: Friday, Barbara

Subject: RE: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. -

Crystal River Power Plant

----Original Message-----

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]

Sent: Wednesday, December 20, 2006 2:50 PM

To: Cumbie, Bernie M.; Meyer, Dave; sosbourn@golder.com; Zhang-Torres

Cc: Holtom, Jonathan

Subject: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. - Crystal

River 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.

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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,

From:

System Administrator

To:

Zhang-Torres

Sent:

Wednesday, December 20, 2006 2:50 PM

Subject:

Delivered PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy

Florida, Inc. - Crystal River Power Plant

Your message

To:

'bernie.cumbie@pgnmail.com'; 'dave.meyer@pgnmail.com'; 'sosbourn@golder.com'; Zhang-Torres

Cc:

Holtom, Jonathan

Subject:

PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. - Crystal River Power Plant

Sent:

12/20/2006 2:50 PM

was delivered to the following recipient(s):

Zhang-Torres on 12/20/2006 2:50 PM

From:

Exchange Administrator

Sent:

Wednesday, December 20, 2006 2:50 PM

To:

Friday, Barbara

Subject:

Delivery Status Notification (Relay)

Attachments:

ATT438377.txt; PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress

Energy Florida, Inc. - Crystal River Power Plant





ATT438377.txt (286 B)

PROPOSED Title V Permit Revisi...

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

sosbourn@golder.com

From:

Zhang-Torres

Sent:

Wednesday, December 20, 2006 3:20 PM

To:

Friday, Barbara

Subject: RE: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. -

Crystal River Power Plant

I got it. Thanks.

Cindy

From: Friday, Barbara

Sent: Wednesday, December 20, 2006 2:50 PM

To: 'bernie.cumbie@pgnmail.com'; 'dave.meyer@pgnmail.com'; 'sosbourn@golder.com'; Zhang-Torres

Cc: Holtom, Jonathan

Subject: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. - Crystal River

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 Engineerof-Record.

Thank you,

From:

Zhang-Torres Friday, Barbara

To: Sent:

Wednesday, December 20, 2006 3:20 PM

Subject:

Read: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida,

Inc. - Crystal River Power Plant

Your message

To:

'bernie.cumbie@pgnmail.com'; 'dave.meyer@pgnmail.com'; 'sosbourn@golder.com'; Zhang-Torres

Cc:

Holtom, Jonathan

Subject:

PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida, Inc. - Crystal River Power Plant

Sent:

12/20/2006 2:50 PM

was read on 12/20/2006 3:19 PM.

From:

Osbourn, Scott [Scott_Osbourn@golder.com]

To:

Friday, Barbara

Sent:

Wednesday, December 20, 2006 5:34 PM

Subject:

Read: PROPOSED Title V Permit Revision No.: 0170004-015-AV - Progress Energy Florida,

Inc. - Crystal River Power Plant

Your message

To:

Scott_Osbourn@golder.com

Subject:

was read on 12/20/2006 5:34 PM.



Department of Environmental Protection

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

Colleen M. Castille Secretary

December 19, 2006

(Sent by Electronic Mail – Return Receipt Requested)

Mr. Bernie M. Cumbie, Manager Florida Power Corporation dba Progress Energy Florida, Inc. 100 Central Avenue, CN77 St. Petersburg, Florida 33701

Re: Title V Air Operation Permit Revision

PROPOSED Permit Project No.: 0170004-015-AV

Crystal River Power Plant

Dear Mr. Cumbie:

One copy of the "PROPOSED PERMIT DETERMINATION" for the Crystal River Power Plant, located North of Crystal River and West of U.S. 19 in Citrus County, is enclosed. This letter is only a courtesy to inform you that the DRAFT permit has become a PROPOSED permit.

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 Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,

Trina L. Vielhauer

Chief

Bureau of Air Regulation

TV/jh Enclosures

Sent by electronic mail (return receipt requested) to the following:

Mr. Bernie M. Cumbie, Manager, Progress Energy Florida, Inc. (bernie.cumbie@pgnmail.com)

Mr. Dave Meyer, Progress Energy Florida, Inc. (dave.meyer@pgnmail.com)

Mr. Scott Osbourn, P.E., Golder Associates (sosbourn@golder.com)

Ms. Cindy Zhang-Torres, P.E., DEP – SWD (cindy.zhang-torres@dep.state.fl.us)

U.S. EPA, Region 4 (INTERNET E-mail Memorandum)

PROPOSED PERMIT DETERMINATION

Florida Power Corporation dba Progress Energy Florida, Inc. Proposed Permit No.: 0170004-015-AV

I. Public Notice.

An "INTENT TO CONCURRENTLY ISSUE AN AIR CONSTRUCTION PERMIT & TITLE V OPERATION PERMIT REVISION" to Florida Power Corporation dba Progress Energy Florida, Inc., for the Crystal River Power Plant, located North of Crystal River and West of U.S. 19 in Citrus County, was clerked on October 30, 2006. The "PUBLIC NOTICE OF INTENT TO CONCURRENTLY ISSUE AN AIR CONSTRUCTION PERMIT & TITLE V OPERATION PERMIT REVISION" was published in The Citrus County Chronicle on November 3, 2006. The DRAFT Title V Air Operation Permit was available for public inspection at the permitting authority's office in Tallahassee and the Department's Southwest District office in Tampa. Proof of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT REVISION" was received on November 13, 2006.

II. Public Comment(s).

No comments were received by the Department from the public in response to the Draft permits and concurrent Public Notice. However, comments were received from the Permittee and the Draft Construction permit was changed. The changes listed below reflect the corresponding changes to the DRAFT Title V permit. Deletions are indicated by "strikethrough" and additions are indicated by "double underline".

Specific Condition H.2. is changed as follows:

H.2. Visible Emissions. The owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater, six minute average. To the extent possible, the equipment that comprises the coal processing equipment at this facility (crushers, conveyors, drop points, and storage bunkers) shall be covered or enclosed at all times the equipment is in operation. Except for the barge load-out and the stacker re-claimer sections of the conveying system that are required by design to be open, and which are not specifically subject to regulation under 40 CFR 60, Subpart Y, any other open section of the coal processing equipment shall be required to have an annual visible emission test conducted upon it, as outlined in Condition H.4.

[PPSC PA 77-09 (coal facilities associated with Units 1, 2, 4 and 5); and, 0170004-014-AC]

In addition, Specific Condition H.4. is changed as follows:

- H.4. <u>Visible Emissions</u>. (This condition applies to coal facilities associated with emissions units <u>001, 002, 004</u> and 003 -- FFSG Units <u>1, 2, 4 and 5.</u>) <u>Pursuant to 40 CFR 60.254-Test Methods and Procedures.</u>
- (2) EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity. When required by the Department, or annually as specified in Condition 3, EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity (see Appendix A 40 CFR 60, Subpart A Standard Conditions, attached).

[40 CFR 60.254(2); and, 0170004-014-AC]

<u>{Permitting Note: Except as specified in Condition H.2., annual testing is not being required because the regulated emissions points are either enclosed or confined within a building.}</u>

Florida Power Corporation dba Progress Energy Florida, Inc. Proposed Permit Determination Page 2 of 2

III. Conclusion.

The permitting authority will issue the PROPOSED Permit Number 0170004-015-AV, with the changes noted above.

STATEMENT OF BASIS

PROPOSED Title V Revision Permit No.: 0170004-015-AV Florida Power Corporation dba Progress Energy Florida, Inc.
Crystal River Power Plant
Citrus County

The Title V air operation permit renewal (permit number 0170004-011-AV) became final on December 28, 2004, and effective on January 1, 2005. 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, 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.

The purpose of this revision is to reflect changes made to the coal yard that are authorized by permit number 0170004-014-AC (which is being issued concurrently with this Title V permit revision). In order to decrease the time required to unload a coal barge, Progress Energy has chosen to replace the existing clamshell bucket and traveling gantry with a new crane-operated clamshell bucket on a traveling gantry. This replacement will increase the unloading capabilities from 1,500 tons of coal per hour to 2,500 tons of coal per hour. To accommodate this increase, the speed of the conveyors and crusher feeding boilers 1 and 2 is being increased from 600 tons per hour to 900 tons per hour. This permitting action will also be used to replace Appendix TV-4, Title V Conditions (version dated 02/12/02) with Appendix TV-6, Title V Conditions (version dated 6/23/06), as well as other minor administrative corrections as described below.

This facility consists of four coal-fired fossil fuel steam generating (FFSG) units with electrostatic precipitators; two natural draft cooling towers for FFSG Units 4 and 5; helper mechanical cooling towers for FFSG Units 1, 2 and Nuclear Unit 3; coal, fly ash, and bottom ash handling facilities; and relocatable diesel fired generator(s). The nuclear unit (Unit 3) is not considered part of this permit, although certain emissions units associated with Unit 3 are included in this permit.

Also included in this permit are miscellaneous unregulated and insignificant emissions units and activities.

Based on the renewal Title V permit application received June 30, 2004, this facility is a major source of hazardous air pollutants (HAPs).

The following changes are being made to Title V Air Operation Permit Renewal No. 0170004-011-AV as a result of this permitting action:

- 1. All occurrences of "Appendix TV-4, Title V Conditions (version dated 2/12/02)" have been replaced by "Appendix TV-6, Title V Conditions (version dated 6/23/06)".
- 2. To update the contact address for the Southwest District office, Facility-wide Condition 10. is changed as follows:

Florida Power Corporation dba Progress Energy Florida, Inc. PROPOSED Permit No.: 0170004-015-AV Crystal River Power Plant Facility ID: 0170004 Statement of Basis

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

Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Drive13051 North Telecom Parkway
Tampa, Florida 33619-8218 Temple Terrace, FL 33637-0926
Telephone: 813/744-6100813/632-7600

lephone: 813/744-6100<u>813/632-7600</u> Fax: 813/744-6084<u>813/632-7668</u>

3. The following conditions in Section III, Subsection H. (Emissions Unit 016) have been changed as follows:

Subsection H. This section addresses the following emissions unit.

ĺ	E.U. ID	
ł	No.	Brief Description
-	016	Material handling activities for coal-fired steam units.

Emissions Unit 016 is material handling activities for coal-fired steam units. This emissions unit consists of a crane-operated clam-shell bucket mounted on a traveling gantry, enclosed conveyor belts, coal crushers and storage bunkers used for the storage and transport of coal, fly ash and bottom ash for FFSG Units 1, 2, 4 and 5. This unit also encompasses fly ash and bottom ash handling equipment associated with Units 4 and 5 which are and not addressed by other emissions units. Emissions are particulate matter and PM₁₀ from these activities.

{Permitting note(s): This emissions unit is regulated partially under Power Plant Siting Certification PA 77-09(Units 4 and 5 only). The material handling activities are also regulated by PSD permit AC 09-162037 / PSD-FL-139; and, are subject to NSPS 40 CFR 60 Subpart Y. This emissions unit is also regulated under permit number 0170004-014-AC (issued concurrently with this revised permit number 0170004-015-AV), which authorized the replacement of the barge unloading equipment to decrease the time required to unload coal barges, and the increase in conveying and crushing speeds of the equipment feeding coal to units 1 and 2.}

The following specific conditions apply to the emissions unit(s) listed above:

Emission Limitations and Standards

- H.1. Pursuant to 40 CFR 60.252 Standards for Particulate Matter.
- (c) The owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.

 [40 CFR 60.252 (coal facilities associated with Units 1, 2, 4 and 5)]
- **H.2.** Visible Emissions. The owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater, six minute average. To the extent possible, the equipment that comprises the coal

Florida Power Corporation dba Progress Energy Florida, Inc. PROPOSED Permit No.: 0170004-015-AV Crystal River Power Plant Facility ID: 0170004 Statement of Basis

processing equipment at this facility (crushers, conveyors, drop points, and storage bunkers) shall be covered or enclosed at all times the equipment is in operation. Except for the barge load-out and the stacker re-claimer sections of the conveying system that are required by design to be open, and which are not specifically subject to regulation under 40 CFR 60, Subpart Y, any other open section of the coal processing equipment shall be required to have an annual visible emission test conducted upon it, as outlined in Condition H.4.

[PPSC PA 77-09 (coal facilities associated with Units 1, 2, 4 and 5); and, 0170004-014-AC]

H.3. No Change

Test Methods and Procedures

- H.4. <u>Visible Emissions</u>. (This condition applies to coal facilities associated with emissions units <u>001, 002</u>, 004 and 003 -- FFSG Units <u>1, 2, 4 and 5.</u>) <u>Pursuant to 40 CFR 60.254 Test Methods and Procedures.</u>
- (2) EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.

 When required by the Department, or annually as specified in Condition 3, EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity (see Appendix A 40 CFR 60, Subpart A Standard Conditions, attached).

 [40 CFR 60.254(2); and, 0170004-014-AC]

<u>{Permitting Note: Except as specified in Condition H.2., annual testing is not being required because the regulated emissions points are either enclosed or confined within a building.}</u>

H.5. <u>Visible Emissions</u>. (This condition applies to coal facilities associated with emissions units 001 and 002 - FFSG Units 1 and 2.) <u>VE Test Method</u>. EPA Method 9 shall be used to determine opacity.
[Rules 62-4.070(3), 62-213.440 and 62-297.401, F.A.C.]

{Permitting note: For those emissions points containing a baghouse (ash silos), the permittee shall perform and record the results of weekly qualitative observations of visible emissions checks (e.g., Method 22) with follow-up Method 9 tests within 24 hours of any abnormal visible emissions.}

Common Conditions

- H.65. This emissions unit is also subject to conditions I.1, I.2, I.4, I.5, and I.14 (condition I.2 is also not applicable to activities at units subject to NSPS 40 CFR 60 (i.e., activities at FFSG Units 4 and 5) contained in Subsection I. Common Conditions. This emissions unit is also subject to conditions I.6.(a)9 & (b), I.12(a)2 and I.15.(a) & (b); the other provisions of conditions I.6, I.12 and I.15 are not applicable to this emissions unit.
- H.76. These emissions units are also subject to conditions J.1, J.2, J.3(b), (c) and (d) and J.4 contained in Subsection J. NSPS Common Conditions.
- H.7. This emissions unit is also subject to the applicable terms and conditions contained in the attached Appendix A, 40 CFR 60, Subpart A Standard Conditions, and the attached Appendix Y, 40 CFR 60, Subpart Y Standard Conditions.

 [0170004-014-AC]

Florida Power Corporation dba Progress Energy Florida, Inc. PROPOSED Permit No.: 0170004-015-AV Crystal River Power Plant Facility ID: 0170004 Statement of Basis

- 4. For consistency with changes made to Specific Condition H.5., Common Conditions I.2. and I.3. are changed as follows:
 - **1.2.** (This condition is not applicable to emissions units 004 and 003 FFSG Units 4 and 5.) Excess emissions 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.]
 - **I.3.** (This condition applies to emissions units 001 and 002 FFSG Units 1 and 2.) Excess emissions resulting from startup or shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized. [Rule 62-210.700(2), F.A.C.]

Florida Power Corporation dba Progress Energy Florida, Inc. Crystal River Power Plant Page 31 of 49

PROPOSED Permit No.: 0170004-015-AV Facility ID No.: 0170004

Subsection H. This section addresses the following emissions unit.

E.U. ID	
No.	Brief Description
016	Material handling activities for coal-fired steam units.

Emissions Unit 016 is material handling activities for coal-fired steam units. This emissions unit consists of a craneoperated clam-shell bucket mounted on a traveling gantry, enclosed conveyor belts, coal crushers and storage bunkers used for the storage and transport of coal, fly ash and bottom ash for FFSG Units 1, 2, 4 and 5. This unit also encompasses fly ash and bottom ash handling equipment associated with Units 4 and 5 which are and not addressed by other emissions units. Emissions are particulate matter and PM₁₀ from these activities.

{Permitting note(s): This emissions unit is regulated partially under Power Plant Siting Certification PA 77-09 (Units 4 and 5 only). The material handling activities are also regulated by PSD permit AC 09-162037 / PSD-FL-139; and, are subject to NSPS 40 CFR 60 Subpart Y. This emissions unit is also regulated under permit number 0170004-014-AC (issued concurrently with this revised permit number 0170004-015-AV), which authorized the replacement of the barge unloading equipment to decrease the time required to unload coal barges, and the increase in conveying and crushing speeds of the equipment feeding coal to units 1 and 2.}

The following specific conditions apply to the emissions unit(s) listed above:

Emission Limitations and Standards

- H.1. Pursuant to 40 CFR 60.252 Standards for Particulate Matter.
- (c) The owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.

[40 CFR 60.252 (coal facilities associated with Units 1,2, 4 and 5)]

- H.2. Visible Emissions. The owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater, six minute average. To the extent possible, the equipment that comprises the coal processing equipment at this facility (crushers, conveyors, drop points, and storage bunkers) shall be covered or enclosed at all times the equipment is in operation. Except for the barge load-out and the stacker reclaimer_sections_of_the_conveying_system_that_are_required_by_design_to_be_open, and which are_not_specifically subject to regulation under 40 CFR 60, Subpart Y, any other open section of the coal processing equipment shall be required to have an annual visible emission test conducted upon it, as outlined in Condition H.4. [PPSC PA 77-09 (coal facilities associated with Units 1, 2, 4 and 5); and, 0170004-014-AC]
- H.3. PM Control -- BMPs. The owner or operator shall control particulate emissions (PM and PM₁₀) through the practices described in the Best Management Plan authored by KBN, November 1990, and distributed to FPC staff November 21, 1990, by Mr. W. Jeffrey Pardue.

[AC 09-162037, PSD-FL-139 (for construction of helper cooling towers) specific condition 3]

Test Methods and Procedures

- H.4. Visible Emissions. (This condition applies to coal facilities associated with emissions units 001, 002, 004 and 003 -- FFSG Units 1, 2, 4 and 5.) Pursuant to 40 CFR 60.254 Test Methods and Procedures.
- (2) EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity. When required by the Department, or annually as specified in Condition 3, EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity (see Appendix A - 40 CFR 60, Subpart A Standard Conditions, attached). [40 CFR 60.254(2); and, 0170004-014-AC]

Florida Power Corporation dba Progress Energy Florida, Inc. Crystal River Power Plant Page 32 of 49

Facility ID No.: 0170004

PROPOSED Permit No.: 0170004-015-AV

{Permitting Note: Except as specified in Specific Condition H.2., annual testing is not being required because the regulated emissions points are either enclosed or confined within a building.}

H.5. Visible Emissions. (This condition applies to coal facilities associated with emissions units 001 and 002 FFSG Units 1 and 2.) VE Test Method. EPA Method 9 shall be used to determine opacity. Rules 62-4.070(3), 62-213.440 and 62-297.401, F.A.C.1

{Permitting note: For those emissions points containing a baghouse (ash silos), the permittee shall perform and record the results of weekly qualitative observations of visible emissions checks (e.g., Method 22) with follow-up Method 9 tests within 24 hours of any abnormal visible emissions.}

Common Conditions

- H.65. This emissions unit is also subject to conditions 1.1, 1.2, 1.4, 1.5, and 1.14 (condition 1.2 is also not applicable to activities at units subject to NSPS 40 CFR 60 (i.e., activities at FFSG Units 4 and 5) contained in Subsection I. Common Conditions. This emissions unit is also subject to conditions 1.6.(a) & (b), 1.12(a) 2 and 1.15.(a) & (b); the other provisions of conditions 1.6, 1.12 and 1.15 are not applicable to this emissions unit.
- H.76. These emissions units are also subject to conditions J.1, J.2, J.3(b), (c) and (d) and J.4 contained in Subsection J. NSPS Common Conditions.
- H.7. This emissions unit is also subject to the applicable terms and conditions contained in the attached Appendix A, 40 CFR 60, Subpart A Standard Conditions, and the attached Appendix Y, 40 CFR 60, Subpart Y Standard Conditions. [0170004-014-AC]