



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road, MS#5505
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

September 9, 2011

Electronically Sent – Received Receipt Requested

Mr. Robert Odom, Plant Manager
Progress Energy Florida
299 First Avenue North, CN77
St. Petersburg, FL 33701

Re: Project No. 0170004-032-AC
Supplements Permit No. 0170004-026-AC
Crystal River Power Plant, Units 4 and 5
Collection of Supplemental Sulfuric Acid Mist (SAM) Emissions Data
Letter of Authorization

Dear Mr. Odom:

The Department acknowledges receipt of the Crystal River Power Plant's email request (August 30, 2011) for authorization to temporarily discontinue lime injection for up to two weeks to establish a meaningful baseline SAM emission rate. In accordance with Permit No. 0170004-026-AC, the plant is in the process of evaluating the injection of lime (and other sorbents) to control SAM emissions. Previous authorizations allow the plant to discontinue ammonia injection for a period of time in order to purge residual ammonia and reestablish baseline SAM emissions with the only control being from the new wet flue gas desulfurization (FGD) system. Preliminary tests with lime injection show excellent results ranging from 0.0010 to 0.0015 lb/MMBtu, which is well below the permit limit of 0.009 lb/MMBtu. One of these runs was conducted with no ammonia or lime injection. This indicates that residual ammonia and/or lime may be interfering with establishing a true baseline SAM emission rate. This current request is similar to what has been previously authorized for temporarily discontinuing ammonia injection to establish baseline SAM emissions used to develop meaningful performance curves that identify the appropriate injection rate for mitigating SAM emissions.

The request is granted and the plant is authorized to temporarily discontinue the injection of ammonia and/or lime (or other previously authorized sorbents) for up to 14 days to establish a baseline SAM emission rate (prior to control by the acid mist mitigation systems). During this period, SAM emissions will continue to be reduced by the wet FGD system. The plant shall observe the Breen probes for estimated changes in the SAM emission rates. After this purging period, the plant will conduct stack tests as necessary to establish the baseline SAM emission rate and performance curves that identify the appropriate lime injection rates for given operational conditions. This authorization supplements the current permit requirements and previous authorizations for conducting SAM performance tests.

The Department will consider this action final unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, of the Florida Statutes (F.S.). Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the proposed 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

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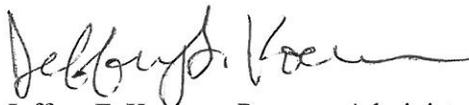
below and must be filed (received) in the Department's Office of General Counsel, MS #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this notice. Petitions filed by any other person must be filed within 14 days of receipt of this proposed action. A petitioner must 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 Department'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 Department's final action may be different from the position taken by it in this notice. 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.

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal, under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000; 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 thirty days from the date this notice is filed with the Clerk of the permitting authority.

Executed in Tallahassee, Florida.



Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

Letter of Authorization

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this authorization was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on 9-9-2011 to the persons listed below.

Mr. Robert Odom, Progress Energy Florida (robby.odom@pgnmail.com)
Mr. John Hunter, Progress Energy Florida (john.hunter@pgnmail.com)
Ms. Cindy Zhang-Torres, SWD Office (cindy.zhang-torres@dep.state.fl.us)
Ms. Danielle Henry, SWD Office (danielle.d.henry@dep.state.fl.us)
Ms. Cindy Mulkey, DEP Siting Office (cindy.mulkey@dep.state.fl.us)
Ms. Kathleen Forney, EPA Region 4 (forney.kathleen@epa.gov)
Ms. Heather Abrams, EPA Region 4 (abrams.heather@epa.gov)
Ms. Anne Harvey, Earthjustice (aharvey@earthjustice.org)
Ms. Lynn Scarce, DEP OPC Reading File (lynn.scarce@dep.state.fl.us)

Clerk Stamp

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

Lynn Scarce
(Clerk)

September 9, 2011
(Date)