

FINAL DETERMINATION

PERMITTEE

Seminole Electric Cooperative, Inc.
Post Office Box 272000
Tampa, Florida 33688-2000

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Air Permit No. 1070025-019-AC (PSD-FL-018B)
Seminole Generating Station Units 1 and 2
Establishment of Sulfur Dioxide Emission Standards
Removal of Petroleum Coke as Fuel

The applicant requested: authorization of physical and operational improvements to the scrubbers on Units 1 and 2; prohibition on the use of petroleum coke fuel; and establishment of more stringent sulfur dioxide emission standards for Units 1 and 2 at the Seminole Generating Station. The facility is located in Putnam County at 890 North U.S. Highway 17, Palatka, Florida. The UTM coordinates are Zone 17, 438.8 km East and 3289.2 km North.

NOTICE AND PUBLICATION

The Department distributed a draft minor air construction permit package on July 25, 2012. The applicant published the Public Notice in the Palatka Daily News on August 11, 2012. The Department received the proof of publication on August 29, 2012. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

COMMENTS

No comments on the draft permit were received from the public or the EPA Region 4 Office. The applicant submitted comments on August 16 and August 20, 2012. Each of the applicant's comments is repeated or paraphrased (*in italics*) below and followed by the Department's response.

1. *Public Notice, end of third paragraph and as applicable within the permit: "These conditions shall become effective upon the effective date of EPA's approval of these specific requirements in the Florida Regional Haze State Implementation Plan, and the compliance date for the emission standard shall be as soon as practicable after its effectiveness, but no later than March 1, 2016." "These same edits should be made to Specific Conditions 2 and 3 of Section 3 of the draft permit."*

Department Response: The copy of the public notice provided with the proof of publication and the public notice distributed by the Department have the exact language given in the comment. No change is necessary (or even possible) on the public notice. The Department's understanding is that the applicant wants the final permit to add or comport with the identical language. The Department will make the additions or minor changes in, Section 1 in the project description, Section 2 at Condition 7 and Section 3 at Conditions 2 and 3.

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2. *Placard Page, Project Description (paraphrased): The following change is requested:*

The fuel prohibition and the emission standards established in ~~it~~ This permit shall become effective upon the effective date of EPA's approval of these specific requirements in the Florida Regional Haze State Implementation Plan.

Department Response: The final permit is in effect upon issuance. Also, the permit must be in effect for the applicant to begin work at an early date. Such work would, for example, include testing at different limestone slurry injection rates to determine the additional physical and operational changes required to meet the emission standards that will be effective at a subsequent date. The Department will strike the entire line since the matter is addressed in several conditions contained in the permit and as described in Comment 1.

The Department will also revise the description of the proposed project in Section 1, page 3 as follows:

The work authorized by this permit includes physical and operational improvements to, and testing of, the scrubbers on Units 1 and 2 to improve their sulfur dioxide (SO₂) removal efficiency and effectiveness. The ~~project-permitting action~~ removes petroleum coke as an authorized fuel for Units 1 and 2 and establishes SO₂ emission standards of 95 percent removal or 0.25 pounds per million Btu (lb/MMBtu) heat input on a 30-day rolling average.

The work is authorized to begin upon finalization of the permit. The revised emission standards and removal of petroleum coke as an authorized fuel shall become effective upon the effective date of EPA's approval of these specific requirements in the Florida Regional Haze State Implementation Plan, and the compliance date for the emission standard shall be as soon as practicable after its effectiveness, but no later than March 1, 2016.

CONCLUSION

The final action of the Department is to issue the final permit with the described changes.