FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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PERMITTEE

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

Authorized Representative:
William M. Roddy, Director of Environmental Affairs

Air Permit No. 1070025-020-AC
Seminole Generating Station Units 1 and 2
Standard Industrial Classification Code No. 4911

Expiration Date: December 31, 2013
Removal of Alkali Injection System Condition

PROJECT

This is the final air construction permit that authorizes the removal of a certain permit condition related to the operation of the alkali injection system for Units 1 and 2 at the Seminole Generating Station 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.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions).

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, 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 must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida
(Electronic Signature)

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

JFK/sa/aal/th

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CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit with Appendices) 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 the date indicated below to the following persons.

William M. Roddy, Seminole Electric Cooperative, Inc.: wmroddy@seminole-electric.com
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Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.
(Electronic Signature)

(DRAFT)

FACILITY DESCRIPTION

The existing facility consists of the following emissions units (EU) and activities.

EU No.	Brief Description
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2
004	Coal Storage Yard
005	Limestone and FGD Sludge Handling and Storage
006	Emergency Generators
007	Heating Units and General Purpose Internal Combustion Engines
008	General Plant-wide Fugitive Emissions

Units 1 and 2 are coal and petroleum coke-fueled, dry bottom wall-fired boilers with a nominal gross generator rating of 735.9 megawatts. Units 1 and 2 are each equipped with the following air pollution control and measurement equipment:

- An electrostatic precipitator to control particulate matter (PM);
- Low NO_X burners and a selective catalytic reduction (SCR) system to control nitrogen oxides;
- An alkali injection system to control sulfuric acid mist emissions;
- A wet limestone flue gas desulfurization (FGD) system (scrubber) to control SO_2
- Continuous emissions monitoring systems (CEMS) to measure and record NO_X and SO_2 emissions and a continuous opacity monitoring system (COMS) to measure and record the opacity of the exhaust gas.

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility operates units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

PROPOSED PROJECT

The work authorized by this permit is the removal of a specific condition in Permit 1070025-004-AC that required the installation and operation of an alkali injection system for Units 1 and 2.

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This section of the permit addresses the following emissions units.

EU No.	Brief Description
001	Steam Electric Generator No.1
002	Steam Electric Generator No. 2

APPLICABLE STANDARDS AND REGULATIONS

1. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations. [Rule 62-210.300, F.A.C.]

2. Except as specified below, the facility remains subject to all of the requirements contained in all previously issued air construction permits for this facility. (Note: These requirements are reflected in the Title V Air Operation Permit No. 1070025-015-AV).

PERMIT BEING MODIFIED: 1070025-004-AC - Alkali Injection System

Subsection A. Condition 5:

3. ~~Alkali Injection System: The permittee shall construct and operate a new alkali injection system on Units 1 and 2 to mitigate the potential impacts of SO_3 formation resulting from the operation of the SCR control systems. The design criteria shall ensure that sulfuric acid mist emissions do not increase above the sulfuric acid mist baseline. (Design).~~