FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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SECRETARY

PERMITTEE

Seminole Electric Cooperative, Inc.
Seminole Generating Station

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

Permit No. 1070025-022-AC
Permit Expires: December 31, 2015
Air Construction Permit
Project: Replacement of Water Sprays
Putnam County, Florida

PROJECT

This is the final air construction permit, which authorizes the replacement of the current water sprays with a dry fogging dust suppression system at the existing facility (Project). This facility is an existing electrical generation plant categorized under Standard Industrial Classification No. 4911. The existing Seminole Generating Station is located in Putnam County at 890 North U.S. Highway 17 in Palatka, Florida. The (UTM) Coordinates are: Zone 17, 438.8 km East and 3289.2 km North; Latitude 29° 43' 59" North and Longitude 81° 37' 58" West.

This final permit is organized into the following sections: Section I (General Information), Section II (Requirements) and Section III (Emission(s) Unit(s) Specific Conditions); and, Section IV (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section IV of this permit. [As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.]

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

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

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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) 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 persons listed below.

Mr. William M. Roddy, SECI: wmroddy@seminole-electric.com
Mr. Juan Ramirez, SECI: jramirez@seminole-electric.com
Ms. Brenda Atkins, SECI: batkins@seminole-electric.com
Mr. William (Bill) Karl, P.E., ECT, Inc.: bkarl@ectinc.com
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Ms. Heather Ceron, U.S. EPA Region 4: ceron.heather@epa.gov
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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.

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This existing facility consists of: two coal-fired, dry-bottom wall-fired utility boilers (Unit Nos. 1 and 2) and associated steam turbines; a coal storage yard; limestone, wet scrubber sludge and ash handling and storage; emergency equipment (an emergency generator & a fire water pump); general plant fugitive emissions; and, ancillary support equipment.

Each utility boiler is equipped with the following air pollution control equipment: an electrostatic precipitator (ESP) to control particulate matter (PM) emissions; an upgraded wet limestone flue gas desulphurization (FGD) system to control sulfur dioxide (SO_2) emissions; a low-NOx burner (LNB) system, low excess air firing and an selective catalytic reduction (SCR) system to control NOx emissions; and, an inactive alkali injection system. The alkali injection system is not required to meet current sulfuric acid mist (SAM) emissions limits but will be available for use if needed. Each utility boiler is equipped with continuous emission monitoring systems (CEMS) to measure and record SO_2, NOx, & carbon dioxide (CO_2) emissions as well as a continuous opacity monitoring system (COMS) to measure and record the opacity of the exhaust gas.

Also at the facility are miscellaneous insignificant emissions units and/or activities.

This project will affect the following *existing* permitted emissions units:

E.U. ID No.	Brief Description
004	Coal Handling and Storage Activities

FACILITY REGULATORY CLASSIFICATION

- This facility is a major source of hazardous air pollutants (HAP).
- This facility does operate 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 applicant applied on May 19, 2014, to the Department for a minor source air construction (AC) permit. The minor source AC permit is for the replacement of the current water sprays with a dry fogging dust suppression system (Project).

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received on May 19, 2014.
Application for AC Permit received on May 19, 2014.
Request for Additional Information sent via e-mail on June 18, 2014.
Additional Information Response received via e-mail on September 9, 2014 (complete).

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SECTION II. REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance, Division of Air Resource Management, Florida Department of Environmental Protection (Department). The mailing address for the Office of Permitting and Compliance is 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400.

2. Compliance Authority: All documents related to compliance activities, such as reports, tests, and notifications, shall be submitted to the Department's Northeast District Office, 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256-7590, Telephone: 904/256-1553, Fax: 904/256-1590.

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and, Appendix D (Common Testing Requirements).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and, Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 & 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. Construction and Expiration: The Department may extend the expiration date upon a satisfactory showing that an extension is justified. For good cause, the permittee may request that this air construction permit be extended. Such a request shall be submitted to the Department's Office of Permitting and Compliance at least sixty (60) days prior to the expiration of this permit. [Rules 62-4.070(4), 62-4.080, 62-210.300(1), and 62-212.400(6)(b), F.A.C.]

6. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

7. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) & 62-212.300(1)(a), F.A.C.]

8. Source Obligation: At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification. [Rule 62-212.400(12), F.A.C.]

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Subsection A. Emissions Unit 004
Coal Handling and Storage Activities

This subsection of the permit addresses the following emissions units:

E.U. ID No.	Brief Description
004	Coal Handling and Storage Activities

This subsection of the permit is for the replacement of the current water sprays with a dry fogging dust suppression system.

PREVIOUS APPLICABLE REQUIREMENTS

1. Effect on Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.]

AUTHORIZATION

2. Authorization: The permittee is authorized to replace the current water sprays with a dry fogging dust suppression system. [Application No. 1070025-022-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; Rule 62-4.210, *Construction Permits*, F.A.C.; and, Rule 62-210.300(1)(a), F.A.C., *New Air Pollution Control Equipment*.]

NOTIFICATIONS

3. Notification of Commencement of Construction: The permittee shall notify the permitting and compliance authorities upon commencement of construction. [Application No. 1070025-022-AC; and, Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.]

4. Notification of Completion of Construction: The permittee shall notify the permitting and compliance authorities upon completion of construction. [Application No. 1070025-022-AC; and, Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.]

OPERATIONS

5. Operations: The permittee shall operate and maintain the dry fogging dust suppression system in accordance with the manufacturer's Operation & Maintenance (O&M) Manual. [Application No. 1070025-022-AC; and, Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.]

RECORDKEEPING

6. Recordkeeping: The permittee shall maintain on-site a copy of the O&M Manual for the dry fogging dust suppression system. [Application No. 1070025-022-AC; and, Rule 62-4.070(1)&(3), Reasonable Assurance, F.A.C.]

7. Records Availability: All records shall be made available to the Department upon request. [Application No. 1070025-022-AC; and, Rule 62-4.070(1)&(3), Reasonable Assurance, F.A.C.]

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