Seminole Electric Cooperative, Inc.

Seminole Generating Station

Facility ID No. 1070025
Putnam County

Title V Air Operation Permit Renewal

Permit No. 1070025-023-AV

(Renewal of Title V Air Operation Permit No. 1070025-013-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Office of Permitting and Compliance
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Title V Air Operation Permit Renewal

Permit No. 1070025-023-AV

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PERMITTEE:
Seminole Electric Cooperative, Inc.
P.O. Box 272000
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Permit No. 1070025-023-AV
Seminole Generating Station
Tampa, Florida 33618-1427
Facility ID No. 1070025
Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. This existing facility is located in Putnam County at 890 North U.S. Highway 17, Palatka, Florida; 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 Title V air operation permit 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 operate the facility in accordance with the terms and conditions of this permit.

Effective Date: February 13, 2015
Renewal Application Due Date: July 2, 2019
Expiration Date: February 12, 2020

For the Division of Air Resource Management

David L. Read, P.E.
2015.02.13
10:51:05 -05'00'

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

JFK/dlr/sms

Subsection A. Facility Description.

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 included in this permit are miscellaneous insignificant emissions units and/or activities.

Subsection B. Summary of Emissions Units.

E.U. ID No.	Brief Description
Regulated Emissions Units	
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2
004	Coal Handling and Storage Activities
005	Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities
Unregulated Emissions Units and/or Activities	
	Engine(s)
006	Emergency Equipment - Emergency Generator
007	Emergency Equipment - Fire Water Pump
008	General Plant Fugitive Emissions

Subsection C. Applicable Requirements.

Based on the Title V air operation permit renewal application received on May 19, 2014, this facility is a major source of hazardous air pollutants (HAP). This facility is classified as a Prevention of Significant Deterioration (PSD) major facility. A summary of important applicable requirements is shown in the following table.

Applicable Requirement	E.U. ID No(s).
40 CFR 60, Subpart A, Standards of Performance for New Stationary Sources (NSPS) General Provisions	001, 002 & 004
40 CFR 60 Subpart Da, Standards of Performance for Fossil-Fuel Fired Steam Generators	001 & 002
Acid Rain, Phase II SO_2	001 & 002
Acid Rain, Phase II NOx	001 & 002
Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD)	001 & 002
Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT)	001 & 002
Rule 62-296.470, F.A.C., Clean Air Interstate Rule (CAIR)	001 & 002

Rule 62-296.405(2), F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input	001 & 002
40 CFR 63, Subpart A, General Provisions	001, 002, 006 & 007
40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)	001, 002, 006 & 007
40 CFR 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units {also known as “MATS”}	001 & 002
40 CFR 60, NSPS Subpart Y, Standards of Performance for Coal Preparation Plants	004
Rule 62-210.300, F.A.C., Permits Required	001, 002, 004, 005, 006, 007 & 008

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section VI., Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) & 62-210.200 (Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1)(a), F.A.C.]

{Permitting note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a. Paving and maintenance of roads, parking areas and yards;
b. Chemical (dust suppressants) or water application to unpaved roads, unpaved yard areas and open stock piles;
c. Landscaping or planting of vegetation;
d. Confining abrasive blasting where possible; and,
e. Other techniques, as necessary.

[Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in the Title V air operation permit renewal application received on May 19, 2014.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements, for additional details.

FW6. Electronic Annual Operating Report (EAOR) and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1st of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP's Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C. Each Title V source must pay between January 15th and April 1st of each year an annual emissions fee in an amount determined as set forth in Rule 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation

permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida. 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, Section 403.0872(11), Florida Statutes (2013)]

{Permitting notes:

If the permittee chooses to use the EAOR software, instructions provided with the system should be followed.

Resources to help complete the AOR are available on the website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.

Also, the Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) was repealed; a separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.}

FW7. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

{Permitting note: As specified in Specific Condition RR7 of Appendix RR, the permittee shall use DEP Form No. 62-213.900(7) to comply with this requirement.}

FW8. Prevention of Accidental Releases (Section 112(r) of CAA). If and when the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following website address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: 703/227-7650.

b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68.]

Subsection A. Emission Units 001 & 002
Steam Electric Generator Nos. 1 & 2

The specific conditions in this section apply to the following emissions unit(s):

E.U. ID No.	Brief Description
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2

The two fossil fuel fired steam generators, designated as "Electric Utility Steam Generating Units 1 and 2," are coal-fired, dry-bottom wall-fired utility boilers. Each unit has maximum heat input rate of 7,172 MMBtu per hour and a nominal gross generator rating of 735.9 megawatts (MW). Each unit 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 unit 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.

Each unit has its own stack, with emissions exhausting through 695 foot stacks with exit diameters of 26.5 feet, 128 °F exit temperatures, and stack gas flow rates of 1,987,064 acfm. Unit 1 began commercial operation in 1985 and Unit 2 began commercial operation in 1984.

{Permitting note(s): These emissions units are regulated under: Acid Rain, Phase II; Rule 62-296.470, F.A.C., Clean Air Interstate Rule (CAIR); 40 CFR 60 Subpart Da, Standards of Performance for Fossil-Fuel Fired Steam Generators; 40 CFR 63, Subpart UUUUU- National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units; Rule 62-296.405(2), F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-018, as amended & PSD-FL-372/1070025-004-AC, as amended]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The permitted capacity per unit shall not exceed 735.9 nominal gross MW. By design, each boiler's maximum heat input is 7,172 MMBtu/hr. [Rules 62-4.160(2), 62-210.200 (Definitions - PTE) and 62-296.405(2), F.A.C.; Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.6.; and, Applicant Request.]

A.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

A.3. Methods of Operation - Allowable Fuels.

a. The units fire coal as the primary fuel.
b. The units may fire No. 2 fuel oil.
c. The units may fire on-specification used oil in accordance with the following requirements.
   (1) "On-specification" used oil is defined as used oil that meets the 40 CFR 279 (Standards for the Management of Used Oil) specifications listed below.

Constituent / Property	Allowable Level *
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum

Total Halogens	1000 ppm maximum
Flash Point	100° F minimum
Polychlorinated Biphenyls (PCB)	< 50 ppm

* As determined by approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods).

(2) Used oil that does not meet all of the following specifications is considered "off-specification" oil and shall not be fired in these units.

(3) The units shall be at normal operating temperatures to fire on-specification used oil that contains any quantifiable levels of PCB.

(4) Each unit shall fire no more than 500,000 gallons per calendar year.

[Rule 62-213.410(1), F.A.C.; 40 CFR 271.20(e)(3) & 40 CFR 279.11; PSD-FL-018A; 1070025-019-AC/PSD-FL-018B; and, Applicant's Request.]

A.4. Hours of Operation. These emission units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Air Pollution Control Technologies & Measures

A.5. Electrostatic Precipitators (ESPs). The permittee shall operate and maintain ESPs for Units 1 and 2. [Rule 62-4.070(1)&(3), F.A.C.]

A.6. Flue Gas Desulphurization (FGD) Systems. The permittee shall operate and maintain FGD systems for Units 1 and 2 to meet the SO_2 emission limit as authorized by Permit No. 1070025-004-AC/PSD-FL-372. [Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.2.]

A.7. Selective Catalytic Reduction (SCR) Systems. The permittee shall tune, operate and maintain SCR systems for Units 1 and 2 to meet the NOx emission limit as authorized by Permit No. 1070025-004-AC/PSD-FL-372. The SCR system shall be operated for a maximum ammonia slip rate of 5 ppmvd @ 15% O_2. [Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.3.]

A.8. Low NOx Burners. The permittee shall tune, operate and maintain low NOx burners on Units 1 and 2. [Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.4.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **A.9. - A.18.** are based on the specified averaging time of the applicable test method.

A.9. PM Emissions. No owner or operator subject to the provisions of 40 CFR 60 Subpart Da shall cause to be discharged into the atmosphere from any affected facility any gases which contain particulate matter in excess of:

a. 13 ng/J (0.03 lb/MMBtu) [1] heat input derived from the combustion of coal or fuel oil;

b. 1% of the potential combustion concentration (99% reduction) when combusting solid fuel; and

c. 30% of potential combustion concentration (70% reduction) when combusting liquid fuel.

Compliance with the 0.03 lb/MMBtu heat input emission limitation shall also constitute compliance with the 99% reduction requirement. [2] [Permit Nos. [1] PSD-FL-018, Specific Condition I.A.1.(a) & [2] PSD-FL-018A, Specific Condition D.3.; and, 40 CFR 60.42Da(a).]

A.10. Visible Emissions. Visible emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity. This opacity standard applies at all times except during periods of startup, shutdown and malfunction. [40 CFR 60.11(c) and 40 CFR 60.42Da(b).]

A.11. SO_2 Emissions - Coal. No owner or operator subject to the provisions of 40 CFR 60 Subpart Da shall cause to be discharged into the atmosphere from any affected facility which combusts coal any gases which contain sulfur dioxide in excess of:

a. 520 ng/J (1.20 lb/MMBtu) heat input and 10% of the potential combustion concentration (90% reduction), or
b. 30% of the potential combustion concentration (70% reduction) when emissions are less than 260 ng/J (0.60 lb/MMBtu) heat input.

Compliance with the emission limitation and percent reduction requirements are both determined on a 30-day rolling average basis in accordance with the NSPS Subpart Da provisions. [40 CFR 60.43Da(a) & (g) and Permit No. PSD-FL-018.]

A.12. SO_2 Emissions - Liquid Fuel. No owner or operator subject to the provisions of 40 CFR 60 Subpart Da shall cause to be discharged into the atmosphere from any affected facility which combusts liquid fuel any gases which contain sulfur dioxide in excess of:

a. 340 ng/J (0.80 lb/MMBtu) heat input and 10% of the potential combustion concentration (90% reduction), or
b. 100% of the potential combustion concentration (0% reduction) when emissions are less than 86 ng/J (0.20 lb/MMBtu) heat input.

Compliance with the emission limitation and percent reduction requirements are both determined on a 30-day rolling average basis in accordance with the NSPS Subpart Da provisions. [40 CFR 60.43Da(b) & (g) and Permit No. PSD-FL-018.]

A.13. SO_2 Emissions - Prorated Coal with Oil. When coal and fuel oil are combusted simultaneously, the applicable standard is determined by proration using the following formula:

$PS_{SO2} = X(340) + Y(520) / 100$

where:

PS_{SO2} is the prorated standard for SO_2 when combusting coal and fuel oil simultaneously (ng/J heat input).
X is the percentage of total heat input derived from the combustion of fuel oil.
Y is the percentage of total heat input derived from the combustion of coal.
[Permit No. PSD-FL-018.]

A.14. SO_2 Emissions.

a. SO_2 emissions shall not exceed 0.67 lb/MMBtu (combined for Units 1 and 2) based upon a 24 hour block average as determined by CEMS.
b. The combined SO_2 emission rate shall be computed by adding the total pounds emitted for both Units 1 and 2, divided by the total heat input (MMBtu) for both Units 1 and 2 for each 24-hour block period.

[Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.7.]

A.15. NOx Emissions - NSPS Subpart Da. NOx emissions shall not exceed the following emission limits:

a. *NOx emission limits*.
   (1) Bituminous coal emission limit for heat input: 260 ng/J (0.60 lb/MMBtu); and,
   (2) All other liquid fuels emission limit for heat input: 130 ng/J (0.30 lb/MMBtu).
b. *NOx reduction requirement*.
   (1) Solid fuels: 65% reduction of potential combustion concentration; and,
   (2) Liquid fuels: 30% reduction of potential combustion concentration.

Compliance with the emission limitation and percent reduction requirements are both determined on a 30-day rolling average basis in accordance with the NSPS Subpart Da provisions. [40 CFR 60.44Da(a)(1) & (2).]

A.16. NOx Emissions - Prorated Coal with Oil. When coal and fuel oil are combusted simultaneously, the applicable standard is determined by proration using the following formula:

$PS_{NOx} = X(130) + Y(260) / 100$

where:

PS_{NOx} is the prorated standard for nitrogen oxides when combusting coal and fuel oil simultaneously (ng/J heat input).
X is the percentage of total heat input derived from the combustion of fuel oil.

Y is the percentage of total heat input derived from the combustion of coal.
[Permit No. PSD-FL-018.]

A.17. NOx Emissions.
a. The combined NOx emissions from Units 1 and 2 shall not exceed 0.07 lb/MMBtu based on a 12-month rolling average. Compliance shall be determined by data collected from the certified CEMS.
b. The combined NOx emission rate shall be computed by adding the total pounds emitted for both Units 1 and 2 divided by the total heat input (MMBtu) for both Units 1 and 2 for each 12-month rolling period.
[Permit Nos. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.8. & 1070025-012-AC/PSD-FL-372A.]

A.18. Phase II NOx. These emission units are regulated under Phase II NOx of the federal Acid Rain Program. Each unit's applicable emission limitation for each year of the approved Phase II NOx Compliance Plan is 0.46 lb/MMBtu from 40 CFR 76.7(a)(2) for dry bottom wall-fired boilers. See the Acid Rain Part of this permit, **Subsection IV.B.** [Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

Excess Emissions

The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of a NSPS, NESHAP, Acid Rain or CAIR provision.

A.19. Excess Emissions Allowed. Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted providing (1) that best operational practices to minimize emissions are adhered to and (2) 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.]

A.20. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210.700(Excess Emissions), F.A.C. cannot vary or supersede any federal NSPS or NESHAP provision. This rule only applies to emissions limits established by state regulations or by state permits. Specifically this rule does not apply to Specific Conditions **A.9., A.11., A.12., A.13. A.15.** and **A.16.** [Rule 62-210.700(1)&(5), F.A.C.; and, Applicant Request.]

A.21. Best Operational Practices to Minimize Excess Emissions. As necessary, the permittee shall follow the best operational practices to minimize excess emissions during startup and shutdown as described in the permit renewal application {see **Procedures for Startup and Shutdown**}. [Rules 62-210.700(2) and 62-213.440(1) (Operational Requirements that Assure Compliance), F.A.C.; and, Proposed by the Applicant in the Renewal Application.]

A.22. Excess Emissions Prohibited. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

Continuous Monitoring Requirements

A.23. COMS. The owner or operator of an affected facility shall calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the opacity of emissions discharges to the atmosphere. If opacity interference due to water droplets exists in the stack (for example, from the use of a wet FGD system), the opacity shall be monitored upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations (both at the inlet and outlet of the sulfur dioxide control system), alternate parameters indicative of the particulate matter control system's performance shall be monitored (subject to the approval of the Administrator). [40 CFR 60.47Da(a).]

A.24. SO_2 CEMS. The permittee shall calibrate, maintain and operate a continuous monitoring system, and record the output of the system, for measuring SO_2 emissions discharged to the atmosphere from each unit. The permittee shall use data collected from each CEMS to continuously demonstrate compliance with the emissions standards specified in this permit.

a. The CEMS shall include the continuous measurement and recording of the O_2 or CO_2 content of the flue gases at each location where NOx emissions are monitored.
b. The permittee has installed and certified a SO_2 CEMS according to the requirements of 40 CFR 75.20(c)(1) and appendix A to 40 CFR Part 75, and shall continue to meet the ongoing quality assurance requirements of 40 CFR 75.21 and Appendix B to 40 CFR Part 75, subject to the special provisions in 40 CFR 60.49a (b)(4). Data collected by the Acid Rain SO_2 CEMS shall be used to demonstrate compliance with the SO_2 standards.
c. SO_2 emissions shall be monitored at both the inlet and outlet of the SO_2 control device. An "as fired" fuel monitoring system (upstream of coal pulverizers) meeting the requirements of Method 19 (Appendix A in 40 CFR 60) may be used to determine potential SO_2 emissions in place of the required continuous SO_2 emission monitor at the inlet to the SO_2 control device.
d. The continuous monitoring systems shall be operated and data recorded during all periods of operation including periods of startup, shutdown, malfunction, or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments.

[Rules 62-4.070(1)&(3), 62-212.400 and 62-297.520, F.A.C.; Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.15.; 40 CFR 75; and, NSPS Subparts A and Da in 40 CFR 60.]

A.25. NOx CEMS. The permittee shall calibrate, maintain and operate a continuous monitoring system, and record the output of the system, for measuring NOx emissions discharged to the atmosphere from each unit. The permittee shall use data collected from each CEMS to continuously demonstrate compliance with the emissions standards specified in this permit.

a. The CEMS shall include the continuous measurement and recording of the oxygen (O_2) or carbon dioxide (CO_2) content of the flue gases at each location where NOx emissions are monitored.
b. The permittee has installed a NOx CEMS according to the Acid Rain requirements of 40 CFR Part 75 and shall continue to meet the ongoing requirements of 40 CFR Part 75; however, the permittee shall also meet the requirements of 40 CFR 60.51Da. Data reported to meet the requirements of 40 CFR 60.51Da (or permit limits with an averaging period of less than 12-months) shall not include data substituted using the missing data procedures in Subpart D of 40 CFR Part 75, nor shall the data have been bias adjusted according to the procedures of 40 CFR Part 75. Data collected by the Acid Rain NOx CEMS shall be used to demonstrate compliance with the NOx standards.
c. The continuous monitoring systems shall be operated and data recorded during all periods of operation including periods of startup, shutdown, malfunction, or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments.

[Rules 62-4.070(1)&(3), 62-212.400 and 62-297.520, F.A.C.; Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.15.; 40 CFR 75; and, NSPS Subparts A and Da in 40 CFR 60.]

Other Monitoring Requirements

A.26. On-specification Used Oil. The permittee shall conduct the following sampling and analyses to demonstrate compliance with the on-specification used oil fuel requirements.

a. A sample collected from each batch delivered for firing shall be analyzed, or
b. The batch delivered is from a collection site that has an acceptable analysis already on file with the facility and the analytical results are assumed by the facility for the batch.

For quantification purposes, the highest concentration of each constituent as determined by any analysis is assumed to be the concentration of the constituent of the blended used oil. [Rules 62-4.070(1)&(3) and 62-213.440(1)(b)2.a, F.A.C.]

Test Methods and Procedures

A.27. Test Methods. Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5,5B or 17	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.) {Note: The sampling time for each run shall be at least 120 minutes. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The probe and filter holder heating system in the sampling train may be set to provide an average gas temperature of no greater than 160° C ± 14° C (320° F ± 25° F).}
6 or 6C	Determination of Sulfur Dioxide Emissions from Stationary Sources (Method for CEMS Rata)
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources (Method for CEMS Rata)
9	Visual Determination of the Opacity of Emissions from Stationary Sources
18, 25, 25A or 25B	Methods for Determining Gaseous Concentrations of Volatile Organic Compounds
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
320 or CTM-027	Measurement of Ammonia Slip

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-297.401, F.A.C.; 40 CFR 60, Subpart Da; Rules 62-204.800 and 62-297.100, F.A.C.; and, 40 CFR 60, Appendix A.]

A.28. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

A.29. Continuous Compliance. The permittee shall demonstrate continuous compliance with the applicable emissions standards by collecting data with the required CEMS for the following pollutants: NOx and SO_2. The permittee shall demonstrate continuous compliance with the applicable opacity standard by collecting data with the required COMS. [Rules 62-4.070(1)&(3), 62-212.400 and 62-297.520, F.A.C.; and, NSPS Subparts A and Da in 40 CFR 60.]

A.30. Ammonia Slip - Tests. The permittee shall conduct tests to determine the ammonia slip rate in accordance with EPA Method 320 or CTM-027 or other methods approved by EPA. Subsequent tests shall be conducted during each federal fiscal year. If tests show ammonia slip emissions are greater than 5 ppmvd corrected to 15% O_2, the permittee shall take corrective actions such as repair, addition of catalyst, replacement of catalyst, etc. The corrective actions which are taken shall be submitted with the test data. A subsequent test shall be conducted to demonstrate that the corrective action resulted in ammonia slip emissions less than 5 ppmvd corrected to 15% O_2. [Rules 62-4.070(1)&(3) and 62-297.310(7), F.A.C.; and, Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.14.]

A.31. Annual Compliance Tests Required. Except as provided in this permit, during each federal fiscal year (October 1st to September 30th), each emissions unit shall be tested to demonstrate compliance with the emissions standards for PM and ammonia slip. [Rules 62-213.440, and 62-297.310(7), F.A.C.; and, Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.11. & 14.]

A.32. Compliance Tests Prior To Renewal. Except as provided in this permit, compliance tests shall be performed for PM and ammonia slip once every 5 years. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

Recordkeeping and Reporting Requirements

A.33. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Conditions
NSPS Excess Emissions and Monitoring System Performance	Every 6 months (semi-annual), except when more frequent reporting is specifically required	**Appendices A and Da**
Annual Summary of On-Specification Used Oil	April 1st of each year	**A.35.**

[40 CFR 60, Subparts A & Da.]

A.34. On-Specification Used Oil - Records. Records shall be kept of each delivery of on-specification used oil with a statement of the origin of the used oil and the quantity delivered and stored for firing. In addition, monthly records shall be kept of the quantity of on-specification used oil fired in each unit. [Rule 62-4.070(1)&(3), F.A.C.]

A.35. On-Specification Used Oil - Summary Report. For each "Annual Operating Report (AOR) for Air Pollutant Emitting Facility," the permittee shall provide a summary of the on-specification used oil analyses for the calendar year and identify the total quantity of on-specification used oil fired during the calendar year. [Rule 62-213.440(1)(b)2.b, F.A.C.]

A.36. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

NSPS 40 CFR 60 Requirements

A.37. NSPS 40 CFR 60 Requirements - Subpart Da. Except as otherwise provided in this permit, these emission units shall comply with all applicable provisions of 40 CFR 60, Subpart Da, Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After September 18, 1978, adopted by reference in Rule 62-204.800(8)(b)2., F.A.C. These emission units shall comply with **Appendix 40 CFR 60 Subpart Da** included with this permit. [Rule 62-204.800(8)(b)2., F.A.C.]

A.38. NSPS 40 CFR 60 Requirements - Subpart A. These emission units shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions including:
40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting requirements
adopted by reference in Rule 62-204.800(8)(d), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. These emission units shall comply with **Appendix 40 CFR 60 Subpart A** attached to this permit. [Rule 62-204.800(8)(d), F.A.C.]

NESHAP 40 CFR 63 Requirements

A.39. NESHAP 40 CFR 63 Requirements - Subpart UUUUU. These emission units shall comply with all

applicable provisions of 40 CFR 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units {also known as "MATS"}; recent revisions to the MATS federal regulations were published on November 19, 2014 (79 FR 68777). Each emissions unit shall comply with **Appendix 40 CFR 63 Subpart UUUUU** attached to this permit no later than April 16, 2015. Each emissions unit is classified as an "existing" unit since each was constructed prior to May 3, 2011 and has not been reconstructed. In addition, each emissions unit is considered a coal-fired unit not using low rank virgin coal. Subpart UUUUU applies the following emission limits to each emissions unit:

1. *Filterable Particulate Matter (PM)*. Emissions of PM shall not exceed either 0.030 pound/million British thermal unit (lb/MMBtu) or 0.30 pound per megawatt-hour (lb/MWh). In lieu of the filterable PM emission limit, the permittee may select to meet a total non-Hg HAP metals emission limit of either 5.0 x 10^{-5} lb/MMBtu or 0.50 pounds per gigawatt-hour (lb/GWH). Finally, in lieu of ether filterable PM or total non-Hg HAP metals emission limits the permittee my meet the following individual HAP metal emission limits:
   a. Antimony (Sb) - 0.80 pounds per terra Btu (lb/TBtu) or 8.0 x 10^{-3} lb/GWh.
   b. Arsenic (As) - 1.1 lb/TBtu or 0.020 lb/GWh.
   c. Beryllium (Be) - 0.20 lb/TBtu or 2.0 x 10^{-3} lb/GWh.
   d. Cadmium (Cd) - 0.30 lb/TBtu or 3.0 x 10^{-3} lb/GWh.
   e. Chromium (Cr) - 2.8 lb/TBtu or 0.030 lb/GWh.
   f. Cobalt (Co) - 0.80 lb/TBtu or 8.0 x 10^{-3} lb/GWh.
   g. Lead (Pb) - 1.2 lb/TBtu or 0.020 lb/GWh.
   h. Manganese (Mn) - 4.0 lb/TBtu or 0.050 lb/GWh.
   i. Nickel (Ni) - 3.5 lb/TBtu or 0.040 lb/GWh.
   j. Selenium (Se) - 5.0 lb/TBtu or 0.060 lb/GWh.
2. *Hydrogen Chloride (HCl)*. Emissions of HCl shall not exceed either 2.0 x 10-3 lb/MMBtu or 0.020 lb/MWh. In lieu of HCl emission limit, the permittee may select to meet a SO_2 emission limit of either 0.20 lb/MMBtu or 1.5 lb/GWH.
3. *Mercury (Hg)*. Emissions of Hg shall not exceed either 1.2 lb/TBtu or 0.013 lb/GWh.

Compliance with the above emissions limits shall be demonstrated pursuant to one of the available options specified in 40 CFR 63, Subpart UUUUUU which is included as an appendix in the renewed Title V air operation permit. The permittee shall also comply with the recordkeeping and reporting requirements specified in the appendix.

[40 CFR 63, Subpart UUUUU.]

A.40. NESHAP 40 CFR 63 Requirements - Subpart A. These emission units shall comply with all applicable requirements of 40 CFR 63, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. The applicable 40 CFR 63, Subpart A, General Provisions to which these emissions are subject to are found at 40 CFR 63.6665 and are included in **Appendix 40 CFR 63 Subpart A**. [Rule 62-204.800(11)(d)1., F.A.C.]

Subsection B. Emissions Unit 004
Coal Handling and Storage Activities

The specific conditions in this section apply to the following emissions unit(s):

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

The coal receiving, storage and transfer systems at the coal storage yard support the operation of the two power boilers. The coal storage yard began commercial operation in 1985. Particulate matter emissions are controlled at the "as-received transfer tower," the "as-fired transfer tower" and the conveyors to the silos by fabric filter systems. Water sprays (being replaced with a dry fogging dust suppression system), full enclosures or partial enclosures are also utilized as appropriate.

The facility is authorized to use RAMSORB 200 as a wet coal additive to absorb moisture and keep the coal from clumping. The additive consists of sodium polyacrylate, which is a non-hazardous material. Approximately 4 pounds of RAMSORB 200 per ton of coal is typically applied to improve handling. This activity was determined to be exempt from the requirement to obtain an air construction permit in Project No. 1070025-010-AC.

{Permitting note(s): This emissions unit is regulated under: 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants; and, Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-018, as amended]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The maximum throughput rate shall not exceed 3,000 tons per hour for unloading trains and 1,700 tons per hour for reclaim operation. [Rules 62-4.160(2), 62-210.200(PTE) and 62-297.310(7), F.A.C.]

{Permitting note(s): The throughput limitations have been placed in this specific condition to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted at the appropriate operation rate as specified in Rule 62-297.310(2), F.A.C.}

B.2. Emissions Unit Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

B.3. Hours of Operation. This emissions unit may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time(s) for Specific Condition **B.4.** is based on the specified averaging time of the applicable test method.

B.4. Visible Emissions (VE). An 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% opacity {VE} or greater. [40 CFR 60.254(a); and, Permit No. PSD-FL-018.]

Monitoring of Operations

B.5. Baghouse Pressure Differential. For those emissions points specified herein containing a baghouse, the permittee shall maintain daily records of the differential pressure to assure that the baghouse is operating properly. Maintenance activities are initiated according to the permittee's previously submitted Action Plan. [Rule 62-4.070(1)&(3), F.A.C.]

B.6. Operations. The permittee shall operate and maintain the dry fogging dust suppression system in accordance with the manufacturer's Operation & Maintenance (O&M) Manual. [Permit No. 1070025-022-AC.]

Test Methods and Procedures

B.7. Common Testing Requirements. Unless otherwise specified, any tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

B.8. Compliance Tests Prior To Renewal. As authorized by Rule 62-297.310(7)(a)4., F.A.C., by this permit annual compliance testing for VE is not required. Compliance VE tests shall be performed for the regulated emission points prior to obtaining a renewed air operation permit. The individual coal handling and storage emission points ("regulated emission points") requiring a renewal VE test are those containing baghouse controls. These baghouse locations are specifically the emission points referred to as CH-002, CH-011, CH-012a, CH-012b, U-001 and U-002 silo dust collectors. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

B.9. Operation Rate During Testing. The permittee shall conduct VE compliance tests when the conveyor belts are on during normal operation. [Rules 62-4.070(1)&(3) and 62-297.310(2), F.A.C.]

{Permitting note(s): The permitted capacity of the coal handling and storage emissions unit is based on conveyor belt capacity. Conveyor belt speed is set and does not vary during normal operation. However, feeder belts which supply coal to the conveyor belts are variable speed. Bins, crushers, and silos are filled on a batch process basis by the conveyor belts which are either on or off. The period at which the highest opacity can reasonably be expected to occur at the emission points subject to the standard, (i.e., CH-002, CH-011, CH-012a, CH-012b, U-001 and U-002 silo dust collectors) shall be when the conveyor belts are on during normal operation.}

Recordkeeping and Reporting Requirements

B.10. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

B.11. Recordkeeping. The permittee shall maintain on-site a copy of the O&M Manual for the dry fogging dust suppression system. [Permit No. 1070025-022-AC.]

NSPS 40 CFR 60 Requirements

B.12. NSPS 40 CFR 60 Requirements - Subpart Y. Except as otherwise provided in this permit, this emissions unit/points shall comply with all applicable provisions of 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants, adopted and incorporated by reference in Rule 62-204.800(8)(b)31., F.A.C. This emissions unit/points shall comply with **Appendix 40 CFR 60 Subpart Y** included with this permit. [Rule 62-204.800(8)(b)2., F.A.C.]

B.13. NSPS 40 CFR 60 Requirements - Subpart A. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions including:
40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting requirements
adopted by reference in Rule 62-204.800(8)(d), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. This emissions unit shall comply with **Appendix 40 CFR 60 Subpart A** attached to this permit. [Rule 62-204.800(8)(d), F.A.C.]

Subsection C. Emissions Units 005
Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities

The specific conditions in this section apply to the following emissions unit(s):

E.U. ID No.	Brief Description
005	Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities

The limestone handling and storage system consists of a limestone unloading facility where particulate matter emissions are controlled by a panel filter and a limestone handling and storage system which utilizes a partial enclosure to control particulate matter emissions.

In the flue gas desulphurization (FGD) sludge processing system, particulate matter emissions generated from the transfer of lime and fly ash from both truck and rail delivery are controlled by the use of baghouse filters. Scrubbers are also utilized to control particulate matter emissions in the FGD sludge processing building.

The facility has a dry ash handling system. This activity was determined to be exempt from the requirement to obtain an air construction permit in Project No. 1070025-018-AC.

{Permitting note(s): This emissions unit is regulated under: Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-018, as amended]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacities. The maximum limestone unloading or transfer rate shall not exceed 400 tons per hour. The throughput rates for the sludge stabilization system are intermittent and variable. [Rules 62-4.160(2), 62-210.200(PTE) and 62-297.310(7), F.A.C.]

{Permitting note(s): The throughput limitations have been placed in this specific condition to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted at the appropriate operation rate as specified in Rule 62-297.310(2), F.A.C.}

C.2. Emissions Unit Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

C.3. Hours of Operation. This emissions unit may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Operations

C.4. Dry Ash Handling System. The truck loadout system shall be operated with a boot seal that extends to the truck to prevent fugitive dust when loading ash into the truck. The truck loadout system shall also be operated with a ventilation system that directs air displaced from the truck during ash loading to the dry ash storage silo. [Project No. 1070025-018-AC.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time(s) for Specific Condition **C.5.** is based on the specified averaging time of the applicable test method.

C.5. Visible Emissions (VE). An owner or operator shall not cause to be discharged into the atmosphere from this emissions unit, gases which exhibit 20% opacity {VE} or greater. [Permit No. PSD-FL-018.]

{Permitting note(s): Emissions in the dry ash handling system are controlled by the enclosure of all ash conveying equipment. By Project No. 1070025-018-AC the permittee was required to enclose all ash conveying equipment.}

Monitoring of Operations

C.6. Baghouse Pressure Differential. For those emissions points specified herein containing a baghouse, the permittee shall maintain daily records of the differential pressure to assure that the baghouse is operating

properly. Maintenance activities are initiated according to the permittee's previously submitted Action Plan. [Rule 62-4.070(1)&(3), F.A.C.]

Test Methods and Procedures

C.7. Common Testing Requirements. Unless otherwise specified, any tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

C.8. Compliance Tests Prior To Renewal. As authorized by Rule 62-297.310(7)(a)4., F.A.C., by this permit annual compliance testing for VE is not required. Compliance VE tests shall be performed for the regulated emission points prior to obtaining a renewed operating permit. The individual limestone and FGD sludge handling points ("regulated emission points") requiring a renewal VE test are those with filter and wet scrubber equipment. These filter and wet scrubber equipment locations are specifically the emission points referred to as L-001, FGD-001 or FGD-002, FGD-003 or FGD-004, FGD-005 or FGD-006, FGD-007 or FGD-008, and FGD-009 or FGD-010. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

C.9. Operation Rate During Testing. The permittee shall conduct VE compliance tests during normal operation when delivering or unloading. [Rules 62-4.070(1)&(3) and 62-297.310(2), F.A.C.]

{Permitting note(s): Normal operating conditions when delivering or unloading by truck or rail shall constitute the appropriate time period for conducting the VE test.}

Recordkeeping and Reporting Requirements

C.10. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Operated by: Seminole Electric Cooperative, Inc.
Plant Name: Seminole Generating Station
ORIS Code: 1360

Subsection A. This Subsection addresses Acid Rain, Phase II SO_2.

The emissions units listed below are regulated under Phase II SO_2 of the federal Acid Rain Program.

E.U. ID No.	Brief Description
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2

A.1. Acid Rain Part Application. The Phase II SO_2 Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application(s) listed below:

a. DEP Form No. 62-210.900(1)(a) - Form, Effective: 3/16/08, received on May 19, 2014, and signed by the Designated Representative on May 19, 2014, which is included at the end of this subsection.

[Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

A.2. Sulfur dioxide (SO_2) Emission Allowances. SO_2 emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.

b. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.400(3), F.A.C.

c. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.

d. Allowances shall be accounted for under the Federal Acid Rain Program.

[Rule 62-213.440(1)(c)1., 2. & 3., F.A.C.]

A.3. Comments, Notes, and Justifications. None.

Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30, 72.31, and 74; and Chapter 62-214, F.A.C.

This submission is: ☐ New ☐ Revised ■ Renewal

STEP 1

Identify the source by plant name, state, and ORIS or plant code.

Plant name	State	ORIS/Plant Code
Seminole Generating Station	**Florida**	**136**

STEP 2
Enter the unit ID# for every Acid Rain unit at the Acid Rain source in column "a."

If unit a SO_2 Opt-in unit, enter "yes" in column "b".

For new units or SO_2 Opt-in units, enter the requested information in columns "d" and "e."

a	b	c	d	e
Unit ID#	SO_2 Opt-in Unit? (Yes or No)	Unit will hold allowances in accordance with 40 CFR 72.9(c)(1)	New or SO_2 Opt-in Units Commence Operation Date	New or SO_2 Opt-in Units Monitor Certification Deadline
001	No	Yes	N/A	N/A
002	No	Yes	N/A	N/A
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		

DEP Form No. 62-210.900(1)(a) – Form
Effective: 3/16/08

1

Seminole Generating Station
Plant Name (from STEP 1)

STEP 3

Read the standard requirements.

Acid Rain Part Requirements.

(1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
(i) Submit a complete Acid Rain Part application (including a compliance plan) under 40 CFR Part 72 and Rules 62-214.320 and 330, F.A.C., in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
(ii) Submit in a timely manner any supplemental information that the DEP determines is necessary in order to review an Acid Rain Part application and issue or deny an Acid Rain Part;
(2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
(i) Operate the unit in compliance with a complete Acid Rain Part application or a superseding Acid Rain Part issued by the DEP; and
(ii) Have an Acid Rain Part.

Monitoring Requirements.

(1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75, and Rule 62-214.420, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
(3) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.
(4) For applications including a SO_2 Opt-in unit, a monitoring plan for each SO_2 Opt-in unit must be submitted with this application pursuant to 40 CFR 74.14(a). For renewal applications for SO_2 Opt-in units include an updated monitoring plan if applicable under 40 CFR 75.53(b).

Sulfur Dioxide Requirements.

(1) The owners and operators of each source and each Acid Rain unit at the source shall:
(i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
(3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
(i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
(ii) Starting on the later of January 1, 2000, or the deadline for monitor certification under 40 CFR Part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain Part application, the Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

(1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
(2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or the DEP:
(i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
(ii) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

Seminole Generating Station
Plant Name (from STEP 1)

STEP 3, Continued.

Recordkeeping and Reporting Requirements (cont)

(iv) Copies of all documents used to complete an Acid Rain Part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72, Subpart I, and 40 CFR Part 75.

Liability.

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
(6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_X averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
(7) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities.

No provision of the Acid Rain Program, an Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a unit can hold; *provided,* that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

STEP 4
For SO_2 Opt-in units only.

In column "f" enter the unit ID# for every SO_2 Opt-in unit identified in column "a" of STEP 2.

For column "g" describe the combustion unit and attach information and diagrams on the combustion unit's configuration.

In column "h" enter the hours.

f	g	h (not required for renewal application)
Unit ID#	Description of the combustion unit	Number of hours unit operated in the six months preceding initial application

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Seminole Generating Station Plant Name (from STEP 1)

STEP 5

For SO_2 Opt-in units only.
(Not required for SO_2 Opt-in renewal applications.)

In column "i" enter the unit ID# for every SO_2 Opt-in unit identified in column "a" (and in column "f").

For columns "j" through "n," enter the information required under 40 CFR 74.20-74.25 and attach all supporting documentation required by 40 CFR 74.20-74.25.

i	j	k	l	m	n
Unit ID#	Baseline or Alternative Baseline under 40 CFR 74.20 (mmBtu)	Actual SO_2 Emissions Rate under 40 CFR 74.22 (lbs/mmBtu)	Allowable 1985 SO_2 Emissions Rate under 40 CFR 74.23 (lbs/mmBtu)	Current Allowable SO_2 Emissions Rate under 40 CFR 74.24 (lbs/mmBtu)	Current Promulgated SO_2 Emissions Rate under 40 CFR 74.25 (lbs/mmBtu)

STEP 6

For SO_2 Opt-in units only.

Attach additional requirements, certify and sign.

A. If the combustion source seeks to qualify for a transfer of allowances from the replacement of thermal energy, a thermal energy plan as provided in 40 CFR 74.47 for combustion sources must be attached.
B. A statement whether the combustion unit was previously an affected unit under 40 CFR 74.
C. A statement that the combustion unit is not an affected unit under 40 CFR 72.6 and does not have an exemption under 40 CFR 72.7, 72.8, or 72.14.
D. Attach a complete compliance plan for SO_2 under 40 CFR 72.40.
E. The designated representative of the combustion unit shall submit a monitoring plan in accordance with 40 CFR 74.61. For renewal application, submit an updated monitoring plan if applicable under 40 CFR 75.53(b).
F. The following statement must be signed by the designated representative or alternate designated representative of the combustion source: "I certify that the data submitted under 40 CFR Part 74, Subpart C, reflects actual operations of the combustion source and has not been adjusted in any way."

Signature	Date

STEP 7

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

Certification (for designated representative or alternate designated representative only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Mike Roddy Name	**Director of Environmental Affairs** Title
Seminole Electric Cooperative, Inc. Owner Company Name	
(813) 739 - 1224 Phone	**wmroddy@seminole-electric.com** E-mail address
Signature Mike Roddy	Date 5/19/14

, DC 20460

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Effective: 3/16/08

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Operated by: Seminole Electric Cooperative, Inc.
Plant Name: Seminole Generating Station
ORIS Code: 1360

Subsection B. This Subsection addresses Acid Rain, Phase II NOx.

The emissions units listed below are regulated under Phase II NOx of the federal Acid Rain Program.

E.U. ID No.	Brief Description
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2

B.1. Acid Rain Part Application. The Phase II Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application(s) listed below:

a. Phase II NOx Compliance Plan, DEP Form No. 62-210.900(1)(a)3. - Form, Effective: 03/11/10, received on September 22, 2014, and signed by the Designated Representative on September 19, 2014, which is included at the end of this subsection.

[Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

B.2. Nitrogen oxide (NOx) requirements for each Acid Rain Phase II unit are as follows:

E.U. ID No.	EPA ID	NOx Limit [1]
001 & 002	001 & 002	The Florida Department of Environmental Protection approves a NOx compliance plan for this unit. The compliance plan is effective for calendar year 2016 through calendar year 2020. These units' applicable emission limitation for each year of the plan, is 0.46 lb/MMBtu from 40 CFR 76.7(a)(2) for dry bottom wall-fired boilers. In addition to the described NOx compliance plan, these units shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NOx compliance plan and the requirements covering excess emissions.

[1] Based on the Phase II NOx Compliance Plan, EPA Form 7610-28 (12-03).

B.3. Where an applicable requirement of the Act is more stringent than applicable regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. [40 CFR 70.6(a)(1)(ii); and Rule 62-210.200, F.A.C., Definitions - Applicable Requirements.]

B.4. Comments, Notes, and Justifications. None.

Florida Department of Environmental Protection

Phase II NO_X Compliance Plan

For more information, see instructions and refer to 40 CFR 76.9

This submission is: New ☐ Revised ☐ Renewal ☒ Page 1 of 3

STEP 1 Indicate plant name, state, and ORIS code from NADB, if applicable.	**Seminole Generating Station** Plant Name	**Florida** State	**136** ORIS Code
STEP 2	Identify each affected Group 1 and Group 2 boiler using the boiler ID# from NADB, if applicable. Indicate boiler type: "CB" for cell burner, "CY" for cyclone, "DBW" for dry bottom wall-fired, "T" for tangentially fired, "V" for vertically fired, and "WB" for wet bottom. Indicate the compliance option selected for each unit.		

	ID# 001	ID# 002	ID#	ID#	ID#	ID#
	Type DBW	Type DBW	Type	Type	Type	Type
(a) Standard annual average emission limitation of 0.50 lb/mmBtu (for Phase I dry bottom wall-fired boilers)	☐	☐	☐	☐	☐	☐
(b) Standard annual average emission limitation of 0.45 lb/mmBtu (for Phase I tangentially fired boilers)	☐	☐	☐	☐	☐	☐
(c) EPA-approved early election plan under 40 CFR 76.8 through 12/31/07 (also indicate above emission limit specified in plan)	☐	☐	☐	☐	☐	☐
(d) Standard annual average emission limitation of 0.46 lb/mmBtu (for Phase II dry bottom wall-fired boilers)	☒	☒	☐	☐	☐	☐
(e) Standard annual average emission limitation of 0.40 lb/mmBtu (for Phase II tangentially fired boilers)	☐	☐	☐	☐	☐	☐
(f) Standard annual average emission limitation of 0.68 lb/mmBtu (for cell burner boilers)	☐	☐	☐	☐	☐	☐
(g) Standard annual average emission limitation of 0.86 lb/mmBtu (for cyclone boilers)	☐	☐	☐	☐	☐	☐
(h) Standard annual average emission limitation of 0.80 lb/mmBtu (for vertically fired boilers)	☐	☐	☐	☐	☐	☐
(i) Standard annual average emission limitation of 0.84 lb/mmBtu (for wet bottom boilers)	☐	☐	☐	☐	☐	☐
(j) NO_x Averaging Plan (include NO_x Averaging form)	☐	☐	☐	☐	☐	☐
(k) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(A) (check the standard emission limitation box above for most stringent limitation applicable to any unit utilizing stack)	☐	☐	☐	☐	☐	☐

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Seminole Generating Station
Plant Name (from Step 1)

STEP 2, cont'd.

	ID#	ID#	ID#	ID#	ID#	ID#
	Type	Type	Type	Type	Type	Type
(l) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(B) with NO_x Averaging (check the NO_x Averaging Plan box and include NO_x Averaging Form)	☐	☐	☐	☐	☐	☐
(m) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17 (a)(2)(i)(C), (a)(2)(iii)(B), or (b)(2)	☐	☐	☐	☐	☐	☐
(n) AEL (include Phase II AEL Demonstration Period, Final AEL Petition, or AEL Renewal form as appropriate)	☐	☐	☐	☐	☐	☐
(o) Petition for AEL demonstration period or final AEL under review by U.S. EPA or demonstration period ongoing	☐	☐	☐	☐	☐	☐
(p) Repowering extension plan approved or under review	☐	☐	☐	☐	☐	☐

STEP 3
Read the standard requirements and certification, enter the name of the designated representative, sign and date.

Standard Requirements

General. This source is subject to the standard requirements in 40 CFR 72.9 (consistent with 40 CFR 76.8(e)(1)(i)). These requirements are listed in this source's Acid Rain Part of its Title V permit.

Special Provisions for Early Election Units

Nitrogen Oxides. A unit that is governed by an approved early election plan shall be subject to an emissions limitation for NO_x as provided under 40 CFR 76.8(a)(2) except as provided under 40 CFR 76.8(e)(3)(iii).

Liability. The owners and operators of a unit governed by an approved early election plan shall be liable for any violation of the plan or 40 CFR 76.8 at that unit. The owners and operators shall be liable, beginning January 1, 2000, for fulfilling the obligations specified in 40 CFR Part 77.

Termination. An approved early election plan shall be in effect only until the earlier of January 1, 2008 or January 1 of the calendar year for which a termination of the plan takes effect. If the designated representative of the unit under an approved early election plan fails to demonstrate compliance with the applicable emissions limitation under 40 CFR 76.5 for any year during the period beginning January 1 of the first year the early election takes effect and ending December 31, 2007, the permitting authority will terminate the plan. The termination will take effect beginning January 1 of the year after the year for which there is a failure to demonstrate compliance, and the designated representative may not submit a new early election plan. The designated representative of the unit under an approved early election plan may terminate the plan any year prior to 2008 but may not submit a new early election plan. In order to terminate the plan, the designated representative must submit a notice under 40 CFR 72.40(d) by January 1 of the year for which the termination is to take effect. If an early election plan is terminated any year prior to 2000, the unit shall meet, beginning January 1, 2000, the applicable emissions limitation for NO_x for Phase II units with Group 1 boilers under 40 CFR 76.7. If an early election plan is terminated on or after 2000, the unit shall meet, beginning on the effective date of the termination, the applicable emissions limitation for NO_x for Phase II units with Group 1 boilers under 40 CFR 76.7.

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Seminole Generating Station Plant Name (from Step 1)

Page 3 of 3

STEP 3, cont'd.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name **Mike Roddy**	
Signature Mike Roddy	Date 9/19/14

Contact Information

Email Address: wmroddy@seminole-electric.com
Phone: **(813) 739-1224**

DEP Form No. 62-210.900(1)(a)3. - Form
Effective:03/11/2010

Operated by: Seminole Electric Cooperative, Inc.
Plant Name: Seminole Generating Station
ORIS Code: 1360

This Subsection addresses CAIR.

The emissions units below are regulated under the Clean Air Interstate Rule.

E.U. ID No.	Brief Description
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2

1. Clean Air Interstate Rule Application. The Clean Air Interstate Rule Part Form submitted for this facility is a part of this permit. The owners and operators of these CAIR units as identified in this form must comply with the standard requirements and special provisions set forth in the CAIR Part Form (DEP Form No. 62-210.900(1)(b) - Form, Effective: 3/16/08), received on May 19, 2014, and signed by the Designated Representative on May 19, 2014, which is included at the end of this subsection. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]

2. Comments, Notes, and Justifications. None.

Clean Air Interstate Rule (CAIR) Part

For more information, see instructions and refer to 40 CFR 96.121, 96.122, 96.221, 96.222, 96.321 and 96.322; and Rule 62-296.470, F.A.C.

This submission is: ☐ New ☐ Revised ■ Renewal

STEP 1

Identify the source by plant name and ORIS or EIA plant code

Plant Name: **Seminole Generating Station**	State: **Florida**	ORIS or EIA Plant Code: **136**

STEP 2

In column "a" enter the unit ID# for every CAIR unit at the CAIR source.

In columns "b," "c," and "d," indicate to which CAIR program(s) each unit is subject by placing an "X" in the column(s).

For new units, enter the requested information in columns "e" and "f.

a	b	c	d	e	f
Unit ID#	Unit will hold nitrogen oxides (NO_X) allowances in accordance with 40 CFR 96.106(c)(1)	Unit will hold sulfur dioxide (SO_2) allowances in accordance with 40 CFR 96.206(c)(1)	Unit will hold NO_X Ozone Season allowances in accordance with 40 CFR 96.306(c)(1)	New Units Expected Commence Commercial Operation Date	New Units Expected Monitor Certification Deadline
001	X	X	X	N/A	N/A
002	X	X	X	N/A	N/A

DEP Form No. 62-210.900(1)(b) – Form
Effective: 3/16/08

1

Seminole Generating Station Plant Name (from STEP 1)

STEP 3

Read the standard requirements.

CAIR NO_X ANNUAL TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR NO_X source and each CAIR NO_X unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];
(2) The owners and operators of each CAIR NO_X source and each CAIR NO_X unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_X source and each CAIR NO_X unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO_X source with the following CAIR NO_X Emissions Requirements.

NO_X Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_X source and each CAIR NO_X unit at the source shall hold, in the source's compliance account, CAIR NO_X allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO_X emissions for the control period from all CAIR NO_X units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
(2) A CAIR NO_X unit shall be subject to the requirements under paragraph (1) of the NO_X Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
(3) A CAIR NO_X allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_X Requirements, for a control period in a calendar year before the year for which the CAIR NO_X allowance was allocated.
(4) CAIR NO_X allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
(5) A CAIR NO_X allowance is a limited authorization to emit one ton of NO_X in accordance with the CAIR NO_X Annual Trading Program. No provision of the CAIR NO_X Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
(6) A CAIR NO_X allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO_X allowance to or from a CAIR NO_X unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_X unit.

Excess Emissions Requirements.

If a CAIR NO_X source emits NO_X during any control period in excess of the CAIR NO_X emissions limitation, then:
(1) The owners and operators of the source and each CAIR NO_X unit at the source shall surrender the CAIR NO_X allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_X source and each CAIR NO_X unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
(i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO_X unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_X Annual Trading Program.
(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_X Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_X Annual Trading Program.
(2) The CAIR designated representative of a CAIR NO_X source and each CAIR NO_X unit at the source shall submit the reports required under the CAIR NO_X Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

Seminole Generating Station Plant Name (from STEP 1)

STEP 3, Continued

Liability.

(1) Each CAIR NO_X source and each CAIR NO_X unit shall meet the requirements of the CAIR NO_X Annual Trading Program.
(2) Any provision of the CAIR NO_X Annual Trading Program that applies to a CAIR NO_X source or the CAIR designated representative of a CAIR NO_X source shall also apply to the owners and operators of such source and of the CAIR NO_X units at the source.
(3) Any provision of the CAIR NO_X Annual Trading Program that applies to a CAIR NO_X unit or the CAIR designated representative of a CAIR NO_X unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_X Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_X source or CAIR NO_X unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR SO_2 TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];
(2) The owners and operators of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR SO_2 source and each SO_2 CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96 ,Subpart HHH, and Rule 62-296.470, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH, shall be used to determine compliance by each CAIR SO_2 source with the following CAIR SO_2 Emission Requirements.

SO_2 Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO_2 allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO_2 units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
(2) A CAIR SO_2 unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
(3) A CAIR SO_2 allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO_2 Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO_2 allowance was allocated.
(4) CAIR SO_2 allowances shall be held in, deducted from, or transferred into or among CAIR SO_2 Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
(5) A CAIR SO_2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO_2 Trading Program. No provision of the CAIR SO_2 Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
(6) A CAIR SO_2 allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO_2 allowance to or from a CAIR SO_2 unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO_2 unit.

Excess Emissions Requirements.

If a CAIR SO_2 source emits SO_2 during any control period in excess of the CAIR SO_2 emissions limitation, then:
(1) The owners and operators of the source and each CAIR SO_2 unit at the source shall surrender the CAIR SO_2 allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

Seminole Generating Station Plant Name (from STEP 1)

STEP 3, Continued

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR SO_2 source and each CAIR SO_2 unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.

(i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO_2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO_2 Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO_2 Trading Program or to demonstrate compliance with the requirements of the CAIR SO_2 Trading Program.

(2) The CAIR designated representative of a CAIR SO_2 source and each CAIR SO_2 unit at the source shall submit the reports required under the CAIR SO_2 Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

(1) Each CAIR SO_2 source and each CAIR SO_2 unit shall meet the requirements of the CAIR SO_2 Trading Program.

(2) Any provision of the CAIR SO_2 Trading Program that applies to a CAIR SO_2 source or the CAIR designated representative of a CAIR SO_2 source shall also apply to the owners and operators of such source and of the CAIR SO_2 units at the source.

(3) Any provision of the CAIR SO_2 Trading Program that applies to a CAIR SO_2 unit or the CAIR designated representative of a CAIR SO_2 unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR SO_2 Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO_2 source or CAIR SO_2 unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR NO_x OZONE SEASON TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall:

(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and

(ii) [Reserved];

(2) The owners and operators of each CAIR NO_X Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO_X Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-296.470, F.A.C.

(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO_X Ozone Season source with the following CAIR NO_X Ozone Season Emissions Requirements.

NO_x Ozone Season Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_X Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO_X emissions for the control period from all CAIR NO_X Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.

(2) A CAIR NO_X Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO, Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.

(3) A CAIR NO_X Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_X Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO_X Ozone Season allowance was allocated.

(4) CAIR NO_X Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.

(5) A CAIR NO_X Ozone Season allowance is a limited authorization to emit one ton of NO_X in accordance with the CAIR NO_X Ozone Season Trading Program. No provision of the CAIR NO_X Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO_X Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a CAIR NO_X Ozone Season allowance to or from a CAIR NO_X Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_X Ozone Season unit.

Seminole Generating Station Plant Name (from STEP 1)

STEP 3, Continued

Excess Emissions Requirements.

If a CAIR NO_X Ozone Season source emits NO_X during any control period in excess of the CAIR NO_X Ozone Season emissions limitation, then:
(1) The owners and operators of the source and each CAIR NO_X Ozone Season unit at the source shall surrender the CAIR NO_X Ozone Season allowances required for deduction under 40 CFR 96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
(i) The certificate of representation under 40 CFR 96.313 for the CAIR designated representative for the source and each CAIR NO_X Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_X Ozone Season Trading Program.
(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_X Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_X Ozone Season Trading Program.
(2) The CAIR designated representative of a CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall submit the reports required under the CAIR NO_X Ozone Season Trading Program, including those under 40 CFR Part 96, Subpart HHHH.

Liability.

(1) Each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit shall meet the requirements of the CAIR NO_X Ozone Season Trading Program.
(2) Any provision of the CAIR NO_X Ozone Season Trading Program that applies to a CAIR NO_X Ozone Season source or the CAIR designated representative of a CAIR NO_X Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO_X Ozone Season units at the source.
(3) Any provision of the CAIR NO_X Ozone Season Trading Program that applies to a CAIR NO_X Ozone Season unit or the CAIR designated representative of a CAIR NO_X Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_X Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 96.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_X Ozone Season source or CAIR NO_X Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

STEP 4

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

Certification (for designated representative or alternate designated representative only)

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Mike Roddy Name	**Director of Environmental Affairs** Title
Seminole Electric Cooperative, Inc. Company Owner Name	
(813) 739 - 1224 Phone	**wmroddy@seminole-electric.com** E-mail Address
Signature Mike Roddy	Date 5/19/14

DEP Form No. 62-210.900(1)(b) – Form
Effective: 3/16/08

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