Seminole Electric Cooperative, Inc.
Seminole Generating Station

Facility ID No. 1070025
Putnam County

Title V Air Operation Permit Revision

Permit No. 1070025-021-AV
(2nd Revision of Title V Air Operation Permit No. 1070025-013-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Title V Section
2600 Blair Stone Road
Mail Station #5505
Tallahassee, Florida 32399-2400
Telephone: (850) 488-0114
Fax: (850) 921-9533

Compliance Authority:

Northeast District Office
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7590
Telephone: (904) 807-3300
Fax: (904) 448-4363

Title V Air Operation Permit Revision
Permit No. 1070025-021-AV

Table of Contents

Section **Page Number**

I. Facility Information.
- A. Facility Description 2
- B. Summary of Emissions Units 2
- C. Applicable Regulations 3

II. Facility-wide Conditions 4

III. Emissions Units and Conditions
- A. Electric Utility Steam Generating Unit 1 (EU-001) and Unit 2 (EU-002) 6
- B. Coal Storage Yard (EU-004) 15
- C. Limestone and Wet Scrubber Sludge Handling and Storage (EU-005) 17

IV. Acid Rain Part 19

V. Clean Air Interstate Rule Part 24

VI. Appendices 30
- Appendix A, Glossary, Acronyms and Citations
- Appendix CAM, Compliance Assurance Monitoring Plan
- Appendix CR, Common Regulatory Requirements
- Appendix I, Insignificant Activities
- Appendix NSA, NSPS Subpart A, General Provisions
- Appendix NSDa, NSPS Subpart Da for Electric Utility Steam Generating Units
- Appendix RR, Facility-wide Reporting Requirements
- Appendix TR, Facility-wide Testing Requirements
- Appendix TV, Title V General Conditions
- Appendix U, Unregulated Activities
- Appendix ZZZZ, NESHAP Subpart ZZZZ, Applicability for Reciprocating Internal Combustion Engines

Referenced Attachments ..... At End
- Table H, Permit History
- Table 1, Summary of Air Pollutant Standards and Terms
- Table 2, Summary of Compliance Requirements

Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

PERMITTEE:
Seminole Electric Cooperative, Inc.
P. O. Box 272000
Tampa, Florida 33688-2000

Permit No. 1070025-021-AV
Seminole Generating Station
Facility ID No. 1070025
Title V Air Operation Permit Revision

The permit revises the Title V Air Operation Permit for the Seminole Generating Station, which is an existing power plant located in Putnam County at 890 North U. S. Highway 17 in Palatka, Florida. The map coordinates are: UTM Zone 17, 438.8 km East and 3289.2 km North; Latitude 29° 43' 59" North and Longitude 81° 37' 58" West.

The 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.

1070025-021-AV Effective Date: February 13, 2013
1070025-015-AV Effective Date: September 9, 2010
1070025-013-AV Effective Date: January 1, 2010
Renewal Application Due Date: May 20, 2014
Expiration Date: December 31, 2014

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

JK/sa/aal/th

Subsection A. Facility Description.

The applicant operates the existing Seminole Generating Station which consists of the following equipment.

- Electric Utility Steam Generating Unit 1 (EU-001) and Unit 2 (EU-002) are coal-fired, dry-bottom wall-fired utility boilers. Each unit has maximum heat input rate of 7172 million British thermal units (MMBtu) per hour and a nominal gross generator rating of 735.9 megawatts. Each unit is equipped with the following air pollution control equipment: an electrostatic precipitator (ESP) to control particulate matter (PM); an upgraded wet limestone flue gas desulfurization (FGD) system to control sulfur dioxide (SO_2); low-NO_X burners, low excess air firing and a selective catalytic reduction (SCR) system to control nitrogen oxides (NO_X); 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 emissions monitoring systems (CEMS) to measure and record NO_X and SO_2 emissions as well as a continuous opacity monitoring system (COMS) to measure and record the opacity of the exhaust gas.
- Other regulated activities include the coal storage yard (EU-004) and the handling and storage of limestone and wet scrubber sludge (EU-005).
- The facility also includes the following unregulated activities: one or more emergency generators (EU-006); one or more heating units and general purpose internal combustion engines (EU-007); and general plant fugitive emissions (EU-008) such as plant-wide sandblasting, painting, moveable abrasive blast material bin, soil borrow pit and vehicular travel of unpaved roads.

The facility also includes miscellaneous unregulated and insignificant emissions units and activities.

Subsection B. Summary of Emissions Units.

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

Subsection C. Applicable Regulations.

The facility belongs to the following regulatory categories.

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title IV: Electric utility steam generating Units 1 and 2 are subject to the federal Acid Rain Program.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.

PSD: The facility is a major stationary source of air pollution in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

NSPS: The facility operates the following emissions units subject to federal New Source Performance Standards (NSPS) in Part 60, Title 40 of the Code of Federal Regulations: NSPS Subpart Da applies to electric utility steam generating Units 1 and 2; and NSPS Subpart Y apply to activities in the coal storage yard.

CAM Plan: To control particulate matter, the ESP for each unit is operated in accordance with a Compliance Assurance Monitoring (CAM) Plan.

The following table summarizes the primary applicable regulations for this facility.

Regulation	EU No.
Federal Rule Citations	
40 CFR 60, NSPS Subpart A, General Provisions	001, 002 &004
40 CFR 60, NSPS Subpart Da, Electric Utility Steam Generating Units after September 18, 1978	001 & 002
40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants	004
40 CFR 72 Acid Rain Program Permit Regulations	001 & 002
40 CFR 75 Acid Rain Program Continuous Emissions Monitoring	001 & 002
40 CFR 77 Acid Rain Program Excess Emissions	001 & 002
40 CFR 78 Acid Rain Program Appeal Procedures	001 & 002
40 CFR 96 Clean Air Interstate Rule	001 & 002
40 CFR 271 Hazardous Waste Programs (Used Oil Fuel)	001 & 002
State Rule Citations	
Chapter 62-4.160, F.A.C.: General Conditions for Permits	All Units
Rule 62-204.800, F.A.C.: Federal Regulations Adopted by Reference	001, 002 & 004
Rule 62-210.200, F.A.C.: Definitions	Facility-wide
Rule 62-210.370, F.A.C.: Emissions Computation and Reporting	Facility-wide
Rule 62-210.650, F.A.C.: Circumvention	001, 002 & 004
Rule 62-210.700, F.A.C.: Excess Emissions	001 & 002
Rule 62-210.900, F.A.C.: Forms and Instructions	All Units
Rule 62-212.300, F.A.C.: General Preconstruction Review Requirements	All Units
Rule 62-212.400, F.A.C.: Prevention of Significant Deterioration (PSD) of Air Quality	001, 002, 004 & 005
Chapter 62-213, F.A.C.: Operation Permits for Major Sources of Air Pollution	001, 002, 004 & 005
Chapter 62-214, F.A.C.: Requirements for Sources Subject to the Federal Acid Rain Program	001 & 002
Rule 62-296.320, F.A.C.: General Pollutant Emission Limiting Standards	Facility-wide
Rule 62-296.405, F.A.C.: Fossil Fuel Steam Generators > 250 MMBtu per Hour Heat Input Rate	001 & 002
Rule 62-296.470, F.A.C.: Clean Air Interstate Rule (CAIR)	001 & 002
Rule 62-297.310, F.A.C.: General Compliance Test Requirements.	001 & 002
Rule 62-297.401, F.A.C.: Compliance Test Methods.	004,005
Rule 62-297.440, F.A.C.: Supplementary Test Procedures.	001, 002, 004 & 005
Rule 62-297.520, F.A.C.: EPA Continuous Monitor Performance Specifications.	001 & 002

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 of the 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. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to 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), F.A.C.]

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)1, 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 traffic on paved and unpaved roads; wind-blown dust from yard and landfill areas; periodic abrasive blasting; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as materials (coal, fly ash, bottom ash, urea, lime and brine salt) 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. Chemical (dust suppressants) or water application to unpaved roads, unpaved yard areas and open stock piles;

b. Paving and maintenance of roads, parking areas and yards;

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 Title V air operation permit renewal application received May 20, 2009.]

Annual Reports and Fees

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

FW6. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]

FW7. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for

download 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. [Rule 62-213.205, F.A.C.]

FW8. 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 permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

FW9. Prevention of Accidental Releases (Section 112(r) of CAA).

a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, P.O. Box 10162, Fairfax, VA 22038 and Telephone No. 703/227-7650.

b. The permittee shall 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]

The specific conditions in this section apply to the following emissions units.

EU No.	Brief Description
001	Electric Utility Steam Generating Unit 1 rated at a nominal gross generator rating of 735.9 MW
002	Electric Utility Steam Generating Unit 2 rated at a nominal gross generator rating of 735.9 MW

Electric Utility Steam Generating Units 1 and 2 are coal-fired, dry-bottom wall-fired utility boilers. Unit 1 began commercial operation in 1985 and Unit 2 began commercial operation in 1984. Each unit has maximum heat input rate of 7172 MMBtu per hour and a nominal gross generator rating of 735.9 MW. Each unit is equipped with the following air pollution control equipment: an electrostatic precipitator (ESP) to control PM; an upgraded wet limestone FGD system to control SO_2; low-NO_X burners, low excess air firing and a SCR system to control NO_X; 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 CEMS to measure and record NO_X and SO_2 emissions as well as a COMS to measure and record the opacity of the exhaust gas.

{Permitting Notes: The emissions units are subject to the following primary regulations: Rule 212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) and Permit No. PSD-FL-108 (as modified): Best Available Control Technology (BACT) determinations for NO_X, PM and SO_2 emissions; the federal Acid Rain Program and Chapter 62-214, F.A.C.; NSPS Subpart A (General Provisions) in 40 CFR 60; and NSPS Subpart Da in 40 CFR 60 (Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978) adopted by reference in Rule 62-204.800, F.A.C. To control particulate matter, the ESP for each unit is operated in accordance with a Compliance Assurance Monitoring (CAM) Plan. CAM Plans are not required for NO_X and SO_2 emissions from Units 1 and 2 because CEMS ensure continuous compliance with the applicable emissions standards.}

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum allowable heat input rate is as follows:

Unit No.	Fuel Type	MMBtu/hour
001	Coal	7,172
002	Coal	7,172

{Permitting Notes: The heat input limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. Regular record keeping is not required for heat input. Instead the owner or operator is expected to determine heat input whenever emission testing is required, to demonstrate at what percentage of the rated capacity that the unit was tested. Rule 62-297.310(5), F.A.C., included in the permit, requires measurement of the process variables for emission tests. Such heat input determination may be based on measurements of fuel consumption by various methods including but not limited to fuel flow metering or tank drop measurements, using the heat value of the fuel determined by the fuel vendor or the owner or operator, to calculate average hourly heat input during the test.} [Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), F.A.C.

A.2. Methods of Operation – Allowable Fuels.

a. The units fire coal as the primary fuel.

b. The units may fire a blend of coal with a maximum of up to 30% petroleum coke by weight not to exceed 186,000 pounds of petroleum coke per hour averaged over 24 hours. The maximum sulfur content of petroleum coke shall not exceed 7.0% by weight, dry basis.

c. The units may fire No. 2 fuel oil.

d. 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-018(A); and Application No. 1070025-013-AV]

A.3. Hours of Operation. These emissions units may operate continuously (i.e. 8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.

A.4. 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.]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for the emissions standards in this section are based on the averaging times specified in the applicable test method.

A.5. CO Emissions – PSD Avoidance. Carbon monoxide (CO) emissions from both units combined shall not exceed 12,565 tons per 12-month rolling total as determined by data collected from the required CEMS. The existing CO emission monitors which are installed in the stack shall be certified according to 40 CFR Part 60 and the data collected shall be combined and utilized to demonstrate compliance annually. [PSD Avoidance and Permit No. 1070025-004-AC/PSD-FL-372]

A.6. Mercury (Hg) Emissions – PSD Avoidance. Mercury emissions shall not exceed 0.059 tons per year (combined for Units 1, 2 *and any future emission units*) based on annual stack tests conducted in accordance with EPA Method 29, EPA Method 30B, other approved test methods or by data collected from a CEMS (when operational and certified). The combined total shall be computed by measuring the lb/MMBtu emission rate on each unit, multiplying each unit's emission rate by its annual heat input (MMBtu) and adding

the total pounds emitted, divided by 2000. {Permitting Note: Permit No. 1070025-004-AC does not require the installation of a mercury CEMS; however, if a mercury CEMS is installed because of a regulatory requirement or at the election of the plant, data collected from the CEMS should be used to demonstrate compliance with the annual emissions cap.} [Permit No. 1070025-004-AC/PSD-FL-372]

A.7. NO_X Emissions – NSPS Subpart Da. NO_X emissions shall not exceed the following emission limits.

a. NO_X 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. NO_X 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 60.44a(a)(1) & (2)]

A.8. NO_X Emissions – Prorated Coal with Oil. When coal and fuel oil are combusted simultaneously, the applicable standard is determined by proration using the following formula:

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

where:

PS_{NO_x} 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.9. NO_X Emissions – Prorated Coal with Petroleum Coke. Stack emissions from Units 1 and 2 shall comply with the following standards when burning blends of coal and petroleum coke:

a. 0.60 lb/MMBtu heat input, and 35% of the potential combustion concentration (65% reduction). Compliance with the lb/MMBtu heat input emission limitation and the percent reduction requirement shall be determined on a 30-day rolling average basis in accordance with the NSPS Subpart Da provisions. Compliance with the 0.60 lb/MMBtu heat input emission limitation shall also constitute compliance with the 65% reduction requirement; and

b. 0.50 lb/MMBtu heat input determined on an annual average basis, when subject to the 40 CFR 76.8 Early Election Program for Group 1, Phase II Boilers or in any year when petroleum coke is burned.

[40 CFR 60.44a(a)(1) & (2) and PSD-FL-018(A)]

A.10. NO_X Emissions.

a. The combined NO_X 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 NO_X 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 No. 1070025-012-AC/PSD-FL-372A]

A.11. 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) 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. [Permit No. PSD-FL-018(A), Permit No. 1070025-004-AC/PSD-FL-372 and 40 CFR 60.42a(a)]

A.12. 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 60.43a(a) & (g) and Permit No. PSD-FL-018]

A.13. 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 60.43a(b) & (g) and Permit No. PSD-FL-018]

A.14. 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.15. SO_2 Emissions– Prorated Coal with Petroleum Coke. Stack emissions from Units 1 and 2 shall comply with the following standards when burning blends of coal and petroleum coke:

a. Unit 1:

$E_{SO2} = [(\%C_{HI} / 100) * (P_S) * (1 - (\%R_O / 100))] + [(1 - (\%C_{HI} / 100)) * (0.74 \text{ lb } SO_2 / \text{MMBtu})]$

b. Unit 2:

$E_{SO2} = [(\%C_{HI} / 100) * (P_S) * (1 - (\%R_O / 100))] + [(1 - (\%C_{HI} / 100)) * (0.72 \text{ lb } SO_2 / \text{MMBtu})]$

c. Where:

E_{SO2} = allowable SO_2 emission rate (lb SO_2/MMBtu) based on a 30-day rolling average.

$\%C_{HI}$ = percent of coal used on a heat input basis.

P_S = potential SO_2 combustion concentration (unwashed coal without emission control systems) as defined by NSPS Subpart Da; lb SO_2/MMBtu, 30-day rolling average.

$\%R_O$ = overall percent SO_2 reduction from Equation 19-21 of EPA Reference Method 19. Per NSPS Subpart Da, $\%R_O$ must not be less than 90%, 30-day rolling average.

0.74 = historical 2-year annual average SO_2 emission rate for Unit 1, lb/MMBtu.

0.72 = historical 2-year annual average SO_2 emission rate for Unit 2, lb/MMBtu.

Compliance with the lb/MMBtu heat input emission limitations and percent reduction requirement shall be determined on a 30-day rolling average basis.

[Permit No. PSD-FL-018(A)]

A.16. 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]

A.17. 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 60.42a(b)]

Federal Excess Emissions

A.18. Good Air Pollution Control Practices. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]

State Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision. This rule only applies to emissions limits specified by state regulations or by state permits. Specifically, this rule does not apply to Conditions A.7, A.8, A.9, A.11, A.12, A.13, A.14, A.15 and A.17~~8~~.

A.19. Excess Emissions: See Appendix CR for requirements related to excess emissions.

A.20. Excess Emissions Allowed. Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and 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. [Rules 62-210.700(1) & (5), F.A.C.

A.21. 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.22. CO CEMS: To demonstrate compliance with the CO standards, the permittee shall certify, calibrate, operate and maintain a CEMS to continuously monitor and record CO emissions. The existing Thermo Electron Corp Model 48C monitors may be utilized for this purpose, provided that they are able to demonstrate compliance with 40 CFR 60 Appendix B, Performance Specification 4 and Appendix F, Quality Assurance Procedures. CEMS shall monitor and record data during all periods of operation for each unit, including startup, shutdown, malfunction or emergency conditions, but not including continuous monitoring system breakdowns, repairs, calibration checks, or zero and span adjustments. For each calendar quarter, monitor availability shall be 95% or greater. If unable to achieve this level, the permittee shall submit a report identifying the problems in achieving 95% monitor availability and a plan of corrective actions. The permittee shall implement the reported corrective actions within the next calendar quarter. [Rules 62-4.070(3), F.A.C. and Permit No. 1070025-004-AC]

A.23. NO_X CEMS: The permittee shall install, calibrate, maintain and operate a continuous monitoring system, and record the output of the system, for measuring NO_X 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 NO_X emissions are monitored.

b. The permittee has installed a NO_X 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 NO_X CEMS shall be used to demonstrate compliance with the NO_X 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(3), 62-212.400 and 62-297.520, F.A.C.; Permit No. 1070025-004-AC; 40 CFR 75; and NSPS Subparts A and Da in 40 CFR 60]

A.24. Opacity COMS. The owner or operator of an affected facility shall install, 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 60.47a(a)]

A.25. SO_2 CEMS. The permittee shall install, 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 NO_X 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(3), 62-212.400 and 62-297.520, F.A.C.; Permit No. 1070025-004-AC; 40 CFR 75; and NSPS Subparts A and Da in 40 CFR 60]

Other Monitoring Requirements

A.26. CAM Plan. To control particulate matter, the ESP for each unit shall be operated in accordance with the CAM Plan specified in Appendix CAM of this permit. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C. [40 CFR 64; Rules 62-204.800, Rule 62-297.310(7)(b) and 62-213.440(1)(b)1.a, F.A.C.]

A.27. 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(3) and 62-213.440(1)(b)2.a, F.A.C.]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.28. Test Methods. Required tests shall be performed in accordance with the following reference methods, the most recent versions of these methods or methods determined to be equivalent by the U.S. EPA.

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

Method	Description of Method and Comments
	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
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
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.)
29, 30B or other approved methods	Determination of Mercury Emissions
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 62-204.800, F.A.C. and Appendix A in 40 CFR 60]

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: CO, mercury (when operational and certified), NO_X, 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(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. Within 60 days after completing construction of each SCR system and bringing each unit on line, 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(3) and 62-297.310(7), F.A.C.]

A.31. Annual Compliance Tests Required. During each federal fiscal year (October 1st to September 30th), each unit shall be tested to demonstrate compliance with the emissions standards for ammonia slip, mercury (until CEMS are operational and certified), and particulate matter. [Rule 62-297.310(7), F.A.C. and Permit No. Permit No. 1070025-004-AC]

A.32. Compliance Tests Prior To Renewal. Compliance tests shall be performed for ammonia slip, mercury (until CEMS are operational and certified), and particulate matter prior to obtaining a renewed operating permit to demonstrate compliance with the corresponding emission limits. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

A.33. 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.]

Recordkeeping and Reporting Requirements

A.34. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Conditions
Quarterly Excess Emissions Report, NSPS Subpart A and Da	Within 30 days following calendar quarter	Appendices NSA and NSDa
Annual Summary of On-Specification Used Oil	April 1st of each year	A.36
Annual Report of Maximum Petroleum Coke in Coal Blend	April 1st of each year	A.37

See Appendix RR of this permit, Facility-Wide Reporting Requirements, for additional reporting requirements.

A.35. 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(3), F.A.C.]

A.36. 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.37. Petroleum Coke - Reporting and Recordkeeping. Documentation verifying that the coal and petroleum coke fuel blends combusted in Units 1 and 2 have not exceeded the 30% by weight maximum petroleum coke limit shall be maintained and submitted to the Compliance Authority with each AOR. [PSD-FL-018(A)]

The specific conditions in this section apply to the following emissions unit.

EU No.	Brief Description
004	Coal Storage Yard

The coal receiving, storage and transfer systems at the coal storage yard support the operation of the two power boilers. The current 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, 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: The coal storage yard is subject to: NSPS Subpart A (General Provisions) in 40 CFR 60; and NSPS Subpart NSPS Subpart Y (Coal Preparation Plants) in 40 CFR 60; Rule 62-204.800, F.A.C., which adopts the federal NSPS provisions; Rule 62-212.400(PSD), F.A.C.; Permit No. PSD-FL-018 with BACT Determinations for particulate matter.}

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The maximum throughput rate shall not exceed 3000 tons per hour for unloading trains and 1700 tons per hour for reclaim operation.

{Permitting Note: The throughput limitations have been placed in each permit 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. See Appendix TR, Facility-wide Testing Requirements.} [Rules 62-4.160(2), 62-210.200(PTE) and 62-297.310(7), F.A.C.]

B.2. Hours of Operation. This emissions unit is allowed to operate continuously (8760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for the following emissions standards is based on the averaging time specified in the applicable test method.

B.3. Visible Emissions. 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 or greater. [40 CFR 60.252(c) and Permit No. PSD-FL-018].

Monitoring of Operations

B.4. 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 Seminole's previously submitted Action Plan. [Rule 62-4.070(3), F.A.C.]

Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.5. Annual Compliance Tests. During each federal fiscal year (October 1st to September 30th), the permittee shall conduct EPA Method 9 compliance tests on each emissions point with a control device using the procedures in 40 CFR 60.11 to demonstrate compliance with the visible emissions standard. The individual coal handling and storage emission points requiring an annual visible emissions test are those containing baghouse controls. These baghouse locations are emission points CH-002, CH-011, U1 and U2 silo dust collectors. [40 CFR 60.254(b)(2), Rule 62-297.310(7), F.A.C. and Permit No. PSD-FL-018]

B.6. Compliance Tests Prior To Renewal. Compliance visible emissions tests shall be performed for the regulated emissions points prior to obtaining a renewed operating permit. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

B.7. Operation Rate During Testing. The permittee shall conduct visible emissions compliance tests when the conveyor belts are on during normal operation.

{Permitting Note: 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 emissions points subject to the standard, (i.e., CH-002, CH-011, U1 and U2 silo dust collectors) will be when the conveyor belts are on during normal operation.} [Rules 62-4.070(3) and 62-297.310(2), F.A.C.]

B.8. 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.]

Recordkeeping and Reporting Requirements

B.9. Reporting Requirements. See Appendix RR of this permit, Facility-Wide Reporting Requirements, for common notification and reporting requirements.

Subsection C. The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
005	Limestone and Wet Sludge Handling and Storage

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 FGD sludge processing system, particulate 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 emissions in the FGD sludge processing building.

{Permitting Notes: The emissions unit is subject to: Rule 62-212.400(PSD), F.A.C.; Permit No. PSD-FL-018 with BACT Determinations for particulate matter.}

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacity. 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) and 62-210.200(PTE), F.A.C.]

{Permitting Note: The throughput limitations have been placed in each permit 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. See Appendix TR, Facility-wide Testing Requirements.} [Rules 62-4.160(2), 62-210.200(PTE) and 62-297.310(7), F.A.C.]

C.2. Hours of Operation. This emissions unit is allowed to operate continuously (8760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for the following emissions standards is based on the averaging time specified in the applicable test method.

C.3. Visible Emissions. An owner or operator shall not cause to be discharged into the atmosphere gases which exhibit 20% opacity or greater. [Permit No. PSD-FL-018]

Monitoring of Operations

C.4. 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 Seminole's previously submitted Action Plan. [Rule 62-4.070(3), F.A.C.]

Test Methods and Procedures

{Permitting Note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

C.5. Annual Compliance Tests. During each federal fiscal year (October 1st to September 30th), the permittee shall conduct EPA Method 9 compliance tests on each emissions point with a control device using the procedures in 40 CFR 60.11 to demonstrate compliance with the visible emissions standard. The individual limestone and FGD sludge handling points requiring annual visible emissions tests are those with filter and

wet scrubber equipment (i.e., Emissions Points L-001, FGD-002, FGD-003 or FGD-004, FGD-005 or FGD-006, FGD-007 or FGD-008, and FGD-009 or FGD-010). [Rules 62-213.440 and 62-297.310(7), F.A.C.]

C.6. Compliance Tests Prior To Renewal. Compliance visible emissions tests shall be performed for the regulated emissions points prior to obtaining a renewed operating permit. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

C.7. 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.]

C.8. Operation Rate During Testing. The permittee shall conduct visible emissions compliance tests during normal operation when delivering or unloading.

{Permitting Note: Normal operating conditions when delivering or unloading by truck or rail shall constitute the appropriate time period for conducting the visible emissions test.} [Rules 62-4.070(3) and 62-297.310(2), F.A.C.]

Recordkeeping and Reporting Requirements

C.9. Reporting Requirements. See Appendix RR of this permit, Facility-Wide Reporting Requirements, for common notification and reporting requirements.

Operated by: Seminole Electric Cooperative, Inc.
ORIS Code: 1360

The emissions units identified in the following table are regulated under Phase II of the Acid Rain Program.

EU No.	EPA ID No.	Brief Description
001	001	Electric Utility Steam Generating Unit 1 rated at a nominal gross generator rating of 735.9 MW
002	002	Electric Utility Steam Generating Unit 2 rated at a nominal gross generator rating of 735.9 MW

A.1. Phase II Acid Rain. 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 applications listed below:

a. DEP Form No. 62-210.900(1)(a), dated 05/18/09, received 05/20/09.

b. EPA Form 7610-28 (12-03), dated 07/28/09, received 08/10/09.

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

A.2. NOx Provisions. The NO_X requirements for each Acid Rain Phase II unit are as follows.

EU ID No.	EPA ID No	NO_X Limit
001 and 002	**001 and 002**	The Florida Department of Environmental Protection approves a NO_X compliance plan for these units. The compliance plan is effective for calendar year 2010 through calendar year 2014. These 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 NO_X compliance plan, these units shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_X compliance plan and the requirements covering excess emissions.

A.3. 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.

a. 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.

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

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

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

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	**Florida**	**1360**

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		
		Yes		

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

1

Seminole
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
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

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

3

Seminole 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	**Manager 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 5/18/09

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

4

SECTION V. CAIR PART.

Clean Air Interstate Rule Provisions

Operated by: Seminole Electric Cooperative, Inc.
Plant: Seminole Generating Station
ORIS Code No: 00136

The emissions units identified in the following table are regulated under the Clean Air Interstate Rule.

EU No.	EPA ID No.	Brief Description
001	001	Electric Utility Steam Generating Unit 1 rated at a nominal gross generator rating of 735.9 MW
002	002	Electric Utility Steam Generating Unit 2 rated at a nominal gross generator rating of 735.9 MW

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)) dated March 16, 2008, which is attached at the end of this section. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]

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**	State: **Florida**	ORIS or EIA Plant Code: **1360**

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
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
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
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
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	**Manager of Environmental Affairs** Title
Seminole Electric Cooperative, Inc. Owner Company Name	
(813) 739-1224 Phone	**wmroddy@seminole-electric.com** E-mail address
Signature	Date 5/18/09

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

5

Appendix A, Glossary, Acronyms and Citations

Appendix CAM, Compliance Assurance Monitoring Plan

Appendix CP, Compliance Plan

Appendix CR, Common Regulatory Requirements

Appendix I, Insignificant Activities

Appendix NSA, NSPS Subpart A, General Provisions

Appendix NSDa, NSPS Subpart Da for Electric Utility Steam Generating Units

Appendix RR, Facility-wide Reporting Requirements

Appendix TR, Facility-wide Testing Requirements

Appendix TV, Title V General Conditions

Appendix U, Unregulated Activities

Appendix ZZZZ, NESHAP Subpart ZZZZ, Applicability for Reciprocating Internal Combustion Engines

REFERENCED ATTACHMENTS.

The following Attachments are included for the applicant's convenience.

Table H, Permit History.

Table 1, Summary of Air Pollutant Standards and Terms.

Table 2, Summary of Compliance Requirements.