Florida Power and Light Company
Putnam Power Plant
Facility ID No. 1070014
Putnam County

Title V Air Operation Permit Renewal
Permit No. 1070014-008-AV

Permitting Authority
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Department of Environmental Protection
Division of Air Resource Management
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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PERMITTEE:
Florida Power and Light Company
392 U.S. Highway 17 South
East Palatka, Florida 32131

Permit No. 1070014-008-AV
Putnam Power Plant
Facility ID No. 1070014
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V Air Operation Permit for the above referenced facility. The existing Putnam Power Plant is located in Putman County at U.S. Highway 17 South, East Palatka, Florida. UTM coordinates are: Zone 17, 443368.85 km East and 3277807.32 km North. Latitude is: 29° 37' 44" North; and, Longitude is: 81° 35' 6" 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 shown on the application and approved drawings, plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Effective Date: January 1, 2014
Renewal Application Due Date: May 20, 2018
Expiration Date: December 31, 2018

On Behalf of:

Digitally signed by Jonathan Holtom
Date: 2013.09.09 13:13:44 -04'00'

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

JFK/jh/th

Subsection A. Facility Description.

On October 16, 1974, the Department issued a Site Certification (PA 74-01) authorizing the construction and operation of the FP& L Putnam Plant. On July 20, 1999, a construction permit (1070014-003-AC) was issued for the installation of inlet foggers at the four (4) combined cycle combustion turbines (CCCT). This permit adopted and amended the Conditions of Certification and established a federal enforceable permit as per the State Implementation Plan (SIP) requirements. No PSD permit exists for this facility since it was built before 1975 and subsequent modifications have not triggered PSD review.

The facility consists of four combustion turbines, each with an associated inlet fogger and heat recovery steam generator (HRSG) equipped with duct burners, an auxiliary boiler, emergency engines, and unregulated emissions units. Each combustion turbine is a 501B5A Westinghouse unit rated at 70 megawatt (MW) generating capacity (at 85 degrees Fahrenheit (F) ambient temperature), with a maximum heat input for natural gas and fuel oil of 968.3 million British thermal units per hour (MMBtu/hr) and 910.6 MMBtu/hr, respectively. The duct burners for each HRSG are rated at a maximum heat input of 250 MMBtu/hr, and are fired with natural gas and number 2 fuel oil. The auxiliary boiler was manufactured by VA-Power and has a maximum heat input for natural gas and number 2 fuel oil of 16.275 MMBtu/hr and 14.28 MMBtu/hr, respectively.

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

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units(EU)	
003	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG11.
004	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG12.
005	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG21.
006	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG22.
007	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG11.
008	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG12.
009	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG21.
010	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG22.
011	Auxiliary Boiler.
014	One 679 HP Diesel Engine-driven Emergency Generator.
015	One 255 HP Diesel Engine-driven Emergency Fire Pump.
Unregulated Emissions Units and Activities	
013	Painting of Plant Equipment and Non-halogenated Solvent Cleaning Operations.

Subsection C. Applicable Regulations.

Based on the Title V Air Operation Renewal application received April 3, 2013, this facility is a major source of hazardous air pollutants (HAP). This facility is classified as a Prevention of Significant Deterioration (PSD) major facility. A summary of applicable regulations is shown in the following table.

Regulation Citations	EU No(s).
Federal Regulations	
40 Code of Federal Regulations (CFR) 60, Subpart A, New Source Performance Standards (NSPS) General Provisions	007, 008, 009, 010, 011, 014, 015
40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	007, 008, 009, 010
40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	011
40 CFR 60, Subpart IIII, New Source Performance for Stationary Internal Combustion Engines (ICE).	014, 015
40 CFR 63, Subpart A, National Emissions Standards for Hazardous Air Pollutants (NESHAP) General Provisions	011, 014, 015
40 CFR Part 63 Subpart DDDDD, NESHAP for Industrial, Commercial, and Institutional Boilers and Process Heaters	011
40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)	014, 015
40 CFR 96 NO_X Budget Trading Program and CAIR NO_X and SO_2 Trading Programs for State Implementation Plans	003, 004, 005, 006, 007, 008, 009, 010
40 CFR 75 Acid Rain Monitoring Provisions	003, 004, 005, 006, 007, 008, 009, 010
State Regulations	
Chapter 62-4, Florida Administrative Code (F.A.C.) (Permitting Requirements)	003, 004, 005, 006, 007, 008, 009, 010, 011,014, 015
Chapter 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)	
Chapter 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)	
Chapter 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)	
Chapter 62-214, F.A.C. (Requirements For Sources Subject To The Federal Acid Rain Program)	003, 004, 005, 006, 007, 008, 009, 010
Rule 62-296.470, F.A.C., Clean Air Interstate Rule	003, 004, 005, 006, 007, 008, 009, 010
Chapter 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	003, 004, 005, 006, 007, 008, 009, 010, 011
Other Requirements	
Power Plant Siting Certification No. PA 74-01	003, 004, 005, 006, 007, 008, 009, 010, 011

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

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

Emissions and Controls

FW2. 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.]

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

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

FW5. Unconfined Particulate Matter. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a. The facility constructs temporary sandblasting enclosures when necessary, in order to perform sandblasting on fixed plant equipment.
b. Maintenance of paved areas as needed.
c. Regular mowing of grass and care of vegetation.
d. Limiting access to plant property by unnecessary vehicles.
e. Bagged chemical products are stored in weather-tight buildings until they are used.
f. Spills of powdered chemical products are cleaned up as soon as practicable.
g. Vehicles are restricted to slow speeds on the plant site.

[Rule 62-296.320(4)(c)2., F.A.C.; and provided by the applicant in the Title V air operation permit renewal application received on April 3, 2013.]

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 for each year. [Rule 62-210.370(3), F.A.C.]

{Permitting Note: If the applicant chooses to use the Electronic Annual Operating Report software, instructions provided with the system should be followed.}

FW7. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by April 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/permitting/tvfee.htm. [Rule 62-213.205, F.A.C.; and, Ch.

2013-92, § 18(11), at 11, Laws of Fla. (amending § 403.0872(11), Fla. Stat. (2012) Ch. 2013-92, § 18(11), at 11, Laws of Fla. (amending § 403.0872(11), Fla. Stat. (2012))]

{Permitting Note: In addition to the change in the Title V fee submission from March 1st to April 1st, Chapter 403.0872(11)(a) has been revised to require that the annual fee be calculated based upon actual emissions rather than allowable emissions, as in the past. The Department will be exploring the development of a revision to the electronic annual operating report (EAOR) application to automatically calculate the amount of the fee based upon actual emission information provided with the annual operating report. When completed, the procedures for submitting the fee and/or the submission address may change. Until further notice, the fees shall continue to be submitted as required in Specific Condition FW7. Be sure to check the Title V Annual Emissions Fee On-line Information Center (see above web site address) periodically for updates, especially before submitting future Title V fee payments.}

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.]

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

FW9. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

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

EU No.	Brief Description
003	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG11.
004	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG12.
005	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG21.
006	Combustion Turbine for Combined Cycle Heat Recovery Steam Generator, HRSG22.

These emissions units consist of four Westinghouse combustion turbines, Model 501B5A rated at 70 MW (each) generating power capacity. Each combustion turbine is exhausted through a heat recovery steam generator. Heat input for these units may vary at different ambient temperatures in accordance with the curves attached in Appendix T of this permit (as an example, maximum heat input for natural gas or fuel oil at 85 degrees F ambient temperature is 968.3 MMBtu/hr and 910.6 MMBtu/hr, respectively.)

Emissions units 003 and 004 began commercial operation in 1978. Emissions units 005 and 006 began commercial operation in 1977. The stack parameters for HRSG11 and HRSG12 are: height = 73 feet; exit diameter = 10.34 feet; exit temperature =328°F; and, actual volumetric flow rate = 968,628 acfm; and, for HRSG21 and HRSG22 are: height = 73 feet; exit diameter = 10.34 feet; exit temperature =328°F; and, actual volumetric flow rate = 1,009,847 acfm.

{Permitting Note: These emissions units are regulated under Acid Rain, Phase II and Rule 62-210.300, F.A.C., Permits Required. These emissions units are also regulated under Power Plant Siting Certification No. PA 74-01 ordered in 1974, and the modified conditions of PA 74-01 dated 5/20/80, 3/15/84, 7/16/91, and 5/28/92; also air construction permit No. 1070014-003-AC. These emissions units are not subject to 40 CFR 60, Subpart GG, Standards of Performance for New Stationary Gas Turbines.}

Compliance Assurance Monitoring (CAM) does not apply to these emissions units because there are no add-on pollution control devices installed.

Essential Potential to Emit (PTE) Parameters

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

Unit Nos.	MMBtu/hr Heat Input	Fuel Type
003 004 005 006	Heat input is limited at any given ambient temperature in accordance with the curves attached in Appendix HI of this permit.*	Natural Gas or No. 2 or No. 6 Fuel Oil

*The maximum operation heat input rate is limited for Emission Units 003, 004, 005 and 006 in accordance with a 3-hour block average that is limited at any given ambient temperature as identified on the curves attached in Appendix HI, Heat Input vs. Ambient Temperature Curves, of this permit for natural gas and fuel oil. The ambient temperature for heat input calculation or look up curves is equivalent to the compressor inlet temperature. The heat input will be demonstrated annually in accordance with the 3-hour run time of the performance test and will be provided as a part of the test submittal. The CEMS Data Handling and Acquisition System (DHAS) calculated heat input shall not be used for compliance purposes.

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), F.A.C.; and, Permit No. 1070014-003-AC]

{Permitting Note: An estimated "real time" heat input value can be calculated for agency compliance inspectors upon request. The averaging time for the estimated heat input will be a 3-hour block that may utilize fuel flow or tank drop data to determine the fuel usage which will be multiplied by the last available heating value of the fuel. If sampling is needed to determine the current heat input value, the adjusted heat input value will be provided to the inspector after test results are received for the heat value of the fuel and a

corrected fuel heat input is calculated. Heat input is not required to be recorded other than the instances as addressed previously in this condition.}

*{Permitting note: Pursuant to Specific Condition **A.2.** and the requirements of Rule 62-297.310(2), F.A.C., the heat input limitations have been placed in the 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.}*

A.2. Emissions Unit Operating Rate Limitation During and After Testing. Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. (See also the related testing provisions in Appendix TR, Facility-wide Testing Requirements.) [Rule 62-297.310(2), F.A.C., and Permit No. 1070014-003-AC]

A.3. Methods of Operation.

a. *Fuels*. The combustion turbines shall only be fired with natural gas, No. 2 or No. 6 fuel oil as noted in Specific Condition **A.1** and **A.6**.

b. *Inlet Foggers*. The four inlet foggers installed at the compressor inlet to each of the four combined cycle combustion turbines may operate up to 40,960 degree F-hours per year in aggregate (average 10,240 degree F-hours per unit per year).
The permittee shall monitor both the hours of operation for the inlet foggers and the degrees of cooling afforded by the inlet foggers. Computation of the degree-hour will be performed as follows:

Degree-hours = # hours inlet fogger operating time X degrees F of cooling.

Degrees of Cooling shall be calculated by subtracting the fogged compressor inlet air temperature from the unfogged compressor inlet temperature (upstream of the fogger). The above calculation shall be performed for each hour of fogger operation. Calculation records shall be maintained on the plant site and made available for inspection upon request.

For each hour of oil operation on any combustion turbine during a calendar year, the allowable aggregate total inlet fogger operating degree-hour shall be reduced by 1.27 degree F-hours.

[Rule 62-213.410, F.A.C.; PPSC PA 74-01, Condition 1.B.(i); and Permit No. 1070014-003-AC.]

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

Emission Limitations and Standards

{Permitting Note: The attached Table 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 Specific Condition **A.5.** and **A.6.** are based on the specified averaging time of the applicable test method.

A.5. Visible Emissions (VE). Visible emissions shall not exceed 20% opacity, except for one 6-minute period per hour during which opacity shall not exceed 27%. [Rule 62-213.440, F.A.C.; PPSC PA 74-01, Condition 1.B.(ii); and, Permit No. 1070014-003-AC]

A.6. Sulfur Dioxide - Sulfur Content. The fuel oil sulfur content shall not exceed 0.7 percent, by weight. The

owner or operator shall burn fuel oil containing no more than 0.50% sulfur content, by weight, when sustained winds exceed 20 miles per hour for any continuous period of three hours or longer. See Specific Conditions **A.9.** & **A.12.** [Rule 62-213.440, F.A.C.; PPSC PA 74-01, Condition 1.B.(i); and, Permit No. 1070014-003-AC]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C., cannot vary any requirement of an NSPS, National Emissions Standards for Hazardous Air Pollutants (NESHAP) or Acid Rain program provision.

A.7. Excess Emissions from Malfunctions 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. [PPSC PA 74-01, Condition 1.C.(b) and Permit No. 1070014-003-AC, Condition III.11.]

A.8. Excess Emissions from Startup and Shutdown Allowed. Excess emissions resulting from startup and shutdown shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized. [PPSC PA 74-01, Condition 1.C.(b) and Permit No. 1070014-003-AC, Condition III.12.]

A.9. 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.]

Monitoring of Operations

A.10. Wind Restriction and Monitoring. The owner or operator shall measure wind velocity and direction, using recognized methods and procedures, at hourly intervals in the plant vicinity, only for those hours during which any combustion turbine at the plant burns fuel oil containing more than 0.50% sulfur content, by weight. The owner or operator shall quarterly report wind data, or shall report that no fuel oil containing more than 0.50% sulfur content, by weight, was burned, no later than the thirtieth day following the end of each calendar quarter. [PPSC PA 74-01, Conditions D.1 & D.2.; and, Permit No. 1070014-003-AC]

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.11. Test Methods. Required tests shall be performed in accordance with the following reference method.

Method	Description of Method and Comments
9	Determination of the Opacity of Emissions from Stationary Sources

The above method is described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other method may be used unless prior written approval is received from the Department. [Rules 62-297.401 & 62-213.440, F.A.C.]

A.12. Sulfur Dioxide - Sulfur Content. The permittee shall demonstrate compliance with the liquid fuel sulfur limit by means of a fuel analysis provided by the vendor upon each fuel delivery. See Specific Conditions **A.6.** and **A.10.** [Rules 62-213.440, F.A.C. , and Permit No. 1070014-003-AC]

A.13. Fuel Sampling and Analysis - Sulfur. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using either ASTM D2622-94, ASTM D4294-90(95), ASTM D1552-95, ASTM D1266-91, or both ASTM D4057-88 and ASTM D129-95 (or latest editions). [Rules 62-213.440 & 62-297.440, F.A.C.; and, Permit No. 1070014-003-AC]

A.14. 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(7), F.A.C.]

A.15. Compliance Tests. Except as provided in Specific Condition **A.16.**, during each federal fiscal year (October 1st to September 30th), each EU shall be tested to demonstrate compliance with the emissions standards for VE; however, any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit. If a unit is not operating because of scheduled maintenance outages and emergency repairs, then it will be tested within thirty days of returning to service. [Rules 62-210.300(2)(a), 62-297.310(7)(a)4. & 8., F.A.C.; and, Permit No. 1070014-003-AC]

A.16. When VE Tests Not Required. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning:

a. only gaseous fuel(s); or
b. gaseous fuel(s) in combination with any amount of liquid fuel(s) for less than 400 hours per year; or
c. only liquid fuel(s) for less than 400 hours per year.

[Rule 62-297.310(7)(a)4., F.A.C.]

Recordkeeping and Reporting Requirements

A.17. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
Malfunction	Quarterly	Appendix RR-Condition **RR.3**
Test Reports	45 days after tests	Appendix TR-Condition **TR.8**
Air Operating Report (AOR)	Annual	Appendix RR-Condition **RR.3**

[Rule 62-213.440(1)(b), F.A.C.]

A.18. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

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

EU No.	Brief Description
007	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG11.
008	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG12.
009	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG21.
010	Duct Burners for Combined Cycle Heat Recovery Steam Generator, HRSG22.

Each emissions unit consists of duct burners for one heat recovery steam generator. Each HRSG is associated with one combustion turbine. Each HRSG's duct burners have a maximum heat input for natural gas or No. 2 fuel oil of 250 MMBtu/hr. Each HRSG has two identical stacks that exhaust emissions from the associated combustion turbine and duct burner. There is one steam driven electric generator serving HRSG11 and HRSG12 and a second steam driven electric generator serving HRSG21 and HRSG22. The combined steam electric generating capacity from the two steam turbines is 226 MW. The stack parameters for HRSG11 and HRSG12 are: height = 73 feet; exit diameter = 10.34 feet; exit temperature =328°F; and, actual volumetric flow rate = 968,628 acfm; and, for HRSG21 and HRSG22 are: height = 73 feet; exit diameter = 10.34 feet; exit temperature =328°F; and, actual volumetric flow rate = 1,009,847 acfm.

Units 007 and 008 began commercial operation in 1978. Units 009 and 010 began commercial operation in 1977.

{Permitting Note: The emissions units are regulated under Acid Rain, Phase II, Rule 62-210.300, F.A.C., Permits Required, and are subject to 40 CFR 60 Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units for Which Construction Is Commenced After June 19, 1984, but on or before June 19, 1986. These emissions units are also regulated under Power Plant Siting Certification No. PA 74-01 ordered in 1974, and the modified conditions of PA 74-01 dated 5/20/80, 3/15/84, 7/16/91, and 5/28/92.}

Compliance Assurance Monitoring (CAM) does not apply to these emissions units because there are no add-on pollution control devices installed.

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The maximum operation heat input rate is as follows:

Unit No.	MMBtu/hr Heat Input	Fuel Type
007, 008, 009	250	Natural Gas or
and 010	250	No. 2 Fuel Oil

See Appendix HI, Heat Input vs. Ambient Temperature Curves *.
*The maximum operation heat input rate is limited for Emission Units 007, 008, 009, and 010 in accordance with a 3-hour block average that is limited at any given ambient temperature as identified on the curves attached in Appendix HI, Heat Input vs. Ambient Temperature Curves of this permit for natural gas and fuel oil. The ambient temperature for heat input calculation or look up curves is equivalent to the compressor inlet temperature. The heat input will be demonstrated annually in accordance with the 3-hour run time of the performance test and will be provided as a part of the test submittal. The CEMS Data Handling and Acquisition System (DHAS) calculated heat input shall not be used for compliance purposes.

[Rules 62-4.160(2), 62-204.800 & 62-210.200(PTE), F.A.C.; and, Permit No. 1070014-003-AC]

{Permitting Note: An estimated "real time" heat input value can be calculated for agency compliance inspectors upon request. The averaging time for the estimated heat input will be a 3-hour block that may utilize fuel flow or tank drop data to determine the fuel usage which will be multiplied by the last available heating value of the fuel. If sampling is needed to determine the current heat input value, the adjusted heat input value will be provided to the inspector after test results are received for the heat value of the fuel and a

corrected fuel heat input is calculated. Heat input is not required to be recorded other than the instances as addressed previously in this condition.}

*{Permitting note: Pursuant to Specific Condition **B.2.** and the requirements of Rule 62-297.310(2), F.A.C., the heat input limitations have been placed in the 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.}*

B.2. Emissions Unit Operating Rate Limitation During and After Testing. Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. (See also the related testing provisions in Appendix TR, Facility-wide Testing Requirements.) [Rule 62-297.310(2), F.A.C., and Permit No. 1070014-003-AC]

B.3. Methods of Operation - Fuels. The duct burners shall only be fired with natural gas or with No. 2 fuel oil (see Specific Condition **B.5**.). [Rule 62-213.410, F.A.C.; PPSC PA 74-01, Condition 1.C.(i); and, Permit No. 1070014-003-AC]

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

Emission Limitations and Standards

{Permitting Note: The attached Table 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 Specific Conditions **B.5.-B.7.** are based on the specified averaging time of the applicable test method.

B.5. Sulfur Dioxide - Sulfur Content. The fuel oil sulfur content shall not exceed 0.5 percent, by weight. [Rule 62-213.440, F.A.C.; 40 CFR 60.42b; PPSC PA 74-01, Condition 1.C.(i); and, Permit No. 1070014-003-AC]

B.6. Visible Emissions. Visible emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour during which opacity shall not exceed 27%. The opacity standards apply at all times, except during periods of startup, shutdown or malfunction. [Rule 62-213.440, F.A.C.; 40 CFR 60.43b & 60.46b; PPSC PA 74-01, Condition 1.C.(ii)(a); and, Permit No. 1070014-003-AC]

B.7. Nitrogen Oxides. Nitrogen oxide emissions (expressed as NO_2) shall not exceed 0.20 lb/MMBtu while burning natural gas and distillate oil. The nitrogen oxide standards apply at all times including periods of startup, shutdown, or malfunction. [40 CFR 60.44b; PPSC PA 74-01 (modification of 5/28/92); and, Permit No. 1070014-003-AC]

Excess Emissions

B.8. NSPS Excess Emissions. The owner or operator shall record and document all periods of operation, including periods of startup, shutdown, and malfunction. All periods of excess emissions shall be recorded and submitted as stated in 40 CFR 60.7 (see attached Appendix NSPS, Subpart A – General Provisions). [Rule 62-213.440, F.A.C. and 40 CFR 60.7]

{Permitting Note: According to 40 CFR 60.2, the Excess Emissions and Monitoring Systems Performance Report is a report that must be submitted periodically by a source in order to provide data on its compliance with stated emission limits and operating parameters, and on the performance of its monitoring systems.}

Continuous Monitoring Requirements

B.9. Emission Monitoring For VE. The owner or operator shall keep calibrated, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system. This system shall be operated whenever fuel oil is burned in these emissions units. [40 CFR 60.48b and Permit No. 1070014-003-AC]

B.10. CEMS Required by Power Plant Siting (PPSC). The owner or operator shall maintain a continuous emission monitoring system (CEMS) for opacity and nitrogen oxides on one of the paired stacks for each combined cycle unit. Records of such monitoring shall be available upon request. [Rule 62-213.440, F.A.C.; PPSC PA 74-01, Condition IV; and, Permit No. 1070014-003-AC]

{Permitting Note: The PPSC requires monitors on one stack each of combustion turbine (CT)/HRSG 1x and 2x, for a total of two stacks that must be monitored. The owner currently operates opacity monitors to satisfy the PPSC requirement to operate the CEMS for opacity. The nitrogen oxides (NO_X) monitors installed and maintained pursuant to 40 CFR 75 satisfy the PPSC requirement to operate the CEMS for NO_X.}

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.}

B.11. Test Methods. Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
3A	Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-297.401, F.A.C.; 40 CFR 60.46b; PPSC PA 74-01 (modification of 5/28/92); and, Permit No. 1070014-003-AC]

B.12. Sulfur Dioxide - Sulfur Content. The permittee shall demonstrate compliance with the liquid fuel sulfur limit by maintaining fuel receipts as described in 40 CFR 60.49b. [Rule 62-213.440, F.A.C.; 40 CFR 60.42b; and, Permit No. 1070014-003-AC]

B.13. 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(7), F.A.C.]

B.14. Compliance Tests. Except as provided in Specific Condition **B.15.**, during each federal fiscal year (October 1st to September 30th), each EU shall be tested to demonstrate compliance with the emissions standard for VE. Emissions testing for nitrogen oxides shall be performed prior to renewal, except that an annual test for nitrogen oxide shall be performed each year that fuel oil is fired in these units for more than 400 hours. If a unit is not operating because of scheduled maintenance outages and emergency repairs, then it will be tested within thirty days of returning to service. [Rules 62-210.300(2)(a) & 62-297.310(7)(a), F.A.C.; and, Permit No. 1070014-003-AC]

B.15. When VE Tests Not Required. By this permit, annual emissions compliance testing for visible emissions is not required for these emissions units while burning:
a. only gaseous fuel(s); or
b. gaseous fuel(s) in combination with any amount of liquid fuel(s) for less than 400 hours per year; or
c. only liquid fuel(s) for less than 400 hours per year.
[Rule 62-297.310(7)(a)4., F.A.C.]

Recordkeeping and Reporting Requirements

B.16. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
NSPS Reports	As stated in 40 CFR 60.7 and 40 CFR 60.49b	Appendix NSPS - Subpart A and Appendix NSPS- Subpart Db
40 CFR 60.49b NSPS Reports	Quarterly (oil reports)	**B.18.** & **B.19**.
Malfunction	Quarterly	Appendix RR-Condition **RR.3**
Test Reports	45 days after tests	Appendix TR-Condition **TR.8**
Air Operating Report (AOR)	Annual	Appendix RR-Condition **RR.5**

[Rule 62-213.440(1)(b), F.A.C.;]

B.17. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

B.18. NSPS Fuel Record Required. Pursuant to 40 CFR 60.49b:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for distillate oil and natural gas for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

The owner or operator shall maintain records of opacity (required by NSPS whenever fuel oil is burned in these emissions units. See condition **B.9.** of this permit).

The owner or operator shall maintain records of the following information for each steam-generating unit operating day:
(1) Calendar date.
(2) The average hourly nitrogen oxides emission rates (expressed as NO_2) (lb/million Btu heat input) measured or predicted.
(3) The 30-day average nitrogen oxides emission rates (lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days.
(4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions standards under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
(5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
(7) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.

The owner or operator is required to submit excess emission reports for any calendar quarter during which there are excess emissions from the affected facility. If there are no excess emissions during the calendar quarter, the owner or operator shall submit a report semiannually stating that no excess emissions occurred

during the semiannual reporting period. For the purpose of the opacity limitation, excess emissions are defined as all 6-minute periods during which the average opacity exceeds the opacity standards. [40 CFR 60.49b(d), (f), (g)(1)-(7) & (h); and, Permit No. 1070014-003-AC]

B.19. Fuel Receipts Required. The owner or operator of an affected facility who elects to demonstrate that the affected facility combusts only very low sulfur oil shall obtain and maintain at the affected facility fuel receipts from the fuel supplier which certify that the oil meets the definition of distillate oil as defined in 40 CFR 60.41b:

> Distillate oil means fuel oils that contain 0.05 weight percent nitrogen or less and comply with the specifications for fuel oil numbers 1 and 2, as defined by the American Society of Testing and Materials in ASTM D396-78, Standard Specifications for Fuel Oils (incorporated by reference-see 40 CFR 60.17).
>
> Very low sulfur oil means an oil that contains no more than 0.5 weight percent sulfur or that, when combusted without sulfur dioxide emission control, has a sulfur dioxide emission rate equal to or less than 215 ng/J (0.5 lb/million Btu) heat input.

For the purposes of 40 CFR 60.49b(r), the oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Quarterly reports shall be submitted to the Department certifying that only very low sulfur oil meeting this definition was combusted in the affected facility during the preceding quarter. [40 CFR 60.45b, 60.47b & 60.49b(r); and, Permit No. 1070014-003-AC]

Other NSPS Requirements

B.20. Subpart A - NSPS General Provisions. This emissions unit is subject to applicable provisions of 40 CFR 60, Subpart A, General Provisions (see Appendix NSPS, Subpart A - General Provisions). [40 CFR 60.7; 60.8; 60.11; 60.12 & 60.13]

Link to 40 CFR 60, Subpart A - General Provisions.

B.21. Subpart Db – NSPS Industrial-Commercial-Institutional Steam Generating Units. As used in 40 CFR 60, Subpart Db, all terms not defined in 40 CFR 60.41b shall have the meaning given them in the Act, and in Subpart A of 40 CFR 60. This unit is subject to all applicable requirements of NSPS, Subpart Db (see attached Appendix NSPS, Subpart Db). [40 CFR 60.41b Definitions]

Link to 40 CFR 60, Subpart Db

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Subsection C. Emissions Unit 011

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

EU No.	Brief Description
011	Auxiliary Boiler Manufactured by VA-Power

This emissions unit consists of an auxiliary boiler, manufactured by VA-Power, with a maximum heat input for natural gas and No. 2 fuel oil of 16.275 MMBtu/hr and 14.28 MMBtu/hr, respectively. The stack parameters for this unit are: height = 45 feet; exit diameter = 18 feet; exit temperature = 550°F; and, actual volumetric flow rate = 5,786 acfm. The exit temperatures and flow rates are based on full load operation on natural gas.

This unit began commercial operation in 1993.

{Permitting Note: This emissions unit is regulated under Rule 62-210.300, F.A.C., Permits Required, Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with Less Than 250 Million Btu Per Hour Heat Input, 40 CFR 60 Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units for Which Construction Is Commenced After June 9, 1989, and to 40 CFR Part 63 Subpart DDDDD, NESHAP for Industrial, Commercial, and Institutional Boilers and Process Heaters. This emissions unit was also regulated under Power Plant Siting Certification No. PA 74-01, ordered in 1974, and the modified conditions of PA 74-01 dated 5/20/80, 3/15/84, 7/16/91, 5/28/92, and the letter dated 04/22/1993. The Power Plant Siting conditions were subsequently incorporated into permit No. 1070014-003-AC.}

Compliance Assurance Monitoring (CAM) does not apply to this emissions unit facility because there are no add-on pollution control devices installed.

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacity. The maximum operation heat input rate is as follows:

Unit No.	MMBtu/hr Heat Input	Fuel Type
011	16.275	Natural Gas or
	14.280	No. 2 Fuel Oil

[Rules 62-4.160(2), 62-204.800 & 62-210.200(PTE), F.A.C.; and, Permit No. 1070014-003-AC]

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

C.3. Methods of Operation - Fuels.

a. *Primary Fuel*. The primary fuel is natural gas.

b. *Backup Fuel*. Distillate No. 2 fuel oil is the backup fuel (0.5% maximum sulfur content). Except as allowed in paragraph c., this boiler is only allowed to burn this fuel during periods of gas curtailment or gas supply interruptions of any duration, as defined in 40 CFR 63.7575; and, after proper notification in accordance with 40 CFR 63.7545.

c. *Restricted Operation While Burning Distillate No. 2 Fuel Oil.* During normal periods of operation, this boiler may fire fuel oil for periodic testing, maintenance, and operator training. Operation on fuel oil for these purposes shall not exceed a combined total of 48 hours per calendar year.

[Rule 62-213.410, F.A.C.; 40 CFR 60.48c and 40 CFR 63.7545 & 40 CFR 63.7575, Subpart DDDDD; and, Permit No. 1070014-003-AC]

{Permitting Note: Pursuant to 40 CFR 63.7575, Subpart DDDDD, *this Auxiliary Boiler qualifies as a "Unit designed to burn gas 1 subcategory", since it is designed to burn natural gas (i.e. gas 1 fuel) as its primary fuel with the reserve of liquid fuel (only distillate fuel oil #2) during periods of gas curtailment or gas supply interruptions of any duration. Under this definition, a Unit designed to burn gas 1 subcategory is limited to a combined total of 48 hours per calendar year for "periodic testing, maintenance, and operator training while burning liquid fuel."}*

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

Emission Limitations and Standards

{Permitting Note: The attached Table 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 Specific Conditions **C.5.** and **C.6.** are based on the specified averaging time of the applicable test method.

C.5. Standard for Visible Emissions. The owner or operator shall not cause to be discharged into the atmosphere from the affected emissions unit any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. [Rule 62-296.406(1), F.A.C.]

C.6. Standard for Sulfur Dioxide. The owner or operator shall not combust fuel oil in the affected emissions unit that contains greater than 0.5 weight percent sulfur. Compliance with the fuel oil sulfur limit shall be determined based on a certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1) (see Specific Condition **C.19.**). The fuel oil sulfur limit applies at all times, including periods of startup, shutdown, and malfunction. [40 CFR 60.42c(d), (h), (i) & (j); and, Permit No. 1070014-003-AC]

Excess Emissions

C.7. NSPS Excess Emissions. The owner or operator shall record and document all periods of operation, including periods of startup, shutdown, and malfunction. All periods of excess emissions shall be recorded and submitted as stated in 40 CFR 60.7 (see attached Appendix NSPS, Subpart A – General Provisions). [Rule 62-213.440, F.A.C. and 40 CFR 60.7]

{Permitting Note: According to 40 CFR 60.2, the Excess Emissions and Monitoring Systems Performance Report is a report that must be submitted periodically by a source in order to provide data on its compliance with stated emission limits and operating parameters, and on the performance of its monitoring systems.}

Monitoring of Operations

C.8. Emission Monitoring for Sulfur Dioxide (SO_2). As an alternative to operating a CEMS at the outlet of the steam generating unit, the owner or operator shall determine the average SO_2 emission rate by sampling the fuel prior to combustion. Fuel sampling shall be conducted as follows:

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted. The owner or operator of the affected facility shall analyze the oil sample to determine the sulfur content of the oil. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank would be required upon filling. Results of the fuel analysis taken after each new shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the owner or operator shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less. [40 CFR 60.46c(d)(2) and Permit No. 1070014-003-AC]

C.9. 40 CFR 60, Subpart DDDDD Work Practices. This unit is required to conduct an annual tune-up of the boiler as well as a one-time energy assessment. The tune-up of this boiler shall be conducted as specified in §63.7540(a)(10). During startup and shutdown, a work practice standard must be met by following the manufacturer's recommended procedures to minimize these periods in lieu of numeric emission limits. [NESHAP 40 CRF 63, Subpart DDDDD] Link to 40 CFR 63.7540

{Permitting Note: As an "existing" source under Subpart DDDDD, the facility has three (3) years from the date of promulgation in the Federal Register to comply with the aforementioned applicable requirements. Final compliance date for the boiler is January 31, 2016 for the initial tune-up of the boiler and one-time energy assessment.}

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.}

C.10. Test Methods. Required tests shall be performed in accordance with the following reference method.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other method may be used unless prior written approval is received from the Department. [Rules 62-297.401 and 62-213.440, F.A.C.]

C.11. 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(7), F.A.C.]

C.12. Annual Tests Required - VE. During each federal fiscal year (October 1st to September 30th), this EU shall be tested to demonstrate compliance with the emissions standards for VE, except as provided in Specific Condition **C.14.** [Rules 62-213.440 & 62-297.310(7)(a)4., F.A.C.]

C.13. Compliance Tests Prior To Renewal. In addition to the annual compliance tests specified above, compliance tests shall also be performed for VE prior to obtaining a renewed operation permit to demonstrate compliance with the emission limits in Specific Condition **C.5.** [Rules 62-210.300(2)(a) and 62-297.310(7)(a)3., F.A.C.]

C.14. When VE Test is Not Required. By this permit, annual emissions compliance testing for visible emissions is not required for this emission unit while burning:
a. only gaseous fuel(s); or
b. gaseous fuel(s) in combination with any amount of liquid fuel(s) for less than 400 hours per year; or
c. only liquid fuel(s) for less than 400 hours per year.
[Rules 62-213.440 & 62-297.310(7)(a)4., F.A.C.]

Recordkeeping and Reporting Requirements

C.15. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
NSPS Reports	As stated in 40 CFR 60.7	Appendix NSPS - Subpart A
40 CFR 60.48c NSPS Reports	Quarterly (oil reports)	Appendix NSPS- Subpart Dc and **C.18.**
Malfunction	Quarterly	Appendix RR-Condition **RR.3**
Annual tune- up	Annual	**C.17** and **C.22.**
Test Reports	45 days after tests	Appendix TR-Condition **TR.8**
Air Operating Report (AOR)	Annual	Appendix RR-Condition **RR.5**

[Rule 62-213.440(1)(b), F.A.C.]

C.16. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

C.17. Work Practice Records. Records shall be kept on site documenting the annual tune-up required for this natural gas fired boiler as a work practice standard. [NESHAP 40 CFR 63.7555 & 63.7550 and Table 3-Subpart DDDDD]

C.18. NSPS Fuel Supplier Certification and Fuel Records. Pursuant to 40 CFR 60.48c:

For any period in which fuel oil is combusted, the owner or operator shall submit quarterly reports to the Department. Each subsequent quarterly report shall be postmarked by the 30th day following the end of the reporting period.

The owner or operator shall keep records and submit quarterly reports including the following information related to the combustion of fuel oil, as applicable.

a. Calendar dates covered in the reporting period.
b. Each 30-day average SO_2 emission rate (lb/million Btu), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.
c. Each 30-day average percent of potential SO_2 emission rate calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.
d. Identification of any steam generating unit operating days for which SO_2 or diluent (oxygen or carbon dioxide) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.
e. Identification of any times when emissions data have been excluded from the calculation of average emission rates; justification for excluding data; and a description of corrective actions taken if data have been excluded for periods other than those during which oil was not combusted in the steam generating unit.
f. Identification of the F factor used in calculations, method of determination, and type of fuel combusted.
g. Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.
h. If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1) of this section, as applicable. In addition to records of fuel supplier certifications, the quarterly report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the quarter.

[40 CFR 60.48c(d), (e)(1)-(7) & (e)(11); and, Permit No. 1070014-003-AC]

C.19. Fuel Supplier Certification and Fuel Records. The owner or operator shall maintain records of fuel supplier certification. Fuel supplier certification shall include the following information:

a. The name of the oil supplier; and
b. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil:

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, "Standard Specification for Fuel Oils" (incorporated by reference-see 40 CFR 60.17).

The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day. [40 CFR 60.48c(f)(1) & (g); and, Permit No. 1070014-003-AC]

Other NSPS and NESHAP Requirements

C.20. Subpart A - NSPS General Provisions. This emissions unit is subject to applicable provisions of 40 CFR 60, Subpart A, General Provisions (see Appendix NSPS, Subpart A - General Provisions). [40 CFR 60.7; 60.8; 60.11; 60.12 and 60.13]

Link to 40 CFR 60, Subpart A - General Provisions.

C.21. Subpart Dc – NSPS Small Industrial-Commercial-Institutional Steam Generating Units. As used in 40 CFR 60 Subpart Dc, all terms not defined in 40 CFR 60.41c shall have the meaning given them in the Act, and in Subpart A of 40 CFR 60. This unit is subject to all applicable requirements of NSPS, Subpart Dc (see attached Appendix NSPS, Subpart Dc). [40 CFR 60.41c Definitions]

Link to 40 CFR 60, Subpart Dc

C.22. Subpart DDDDD – NESHAP Small Industrial-Commercial-Institutional Boilers and Process Heaters. As used in 40 CFR 63 Subpart DDDDD, all terms not defined in 40 CFR 63.7575 shall have the meaning given them in the Act, and in Subpart A of 40 CFR 63. This unit is subject to all applicable requirements of NESHAP, Subpart DDDDD. [40 CFR 63.7575 Definitions]

Link to 40 CFR 63, Subpart DDDDD

C.23. Subpart A - NESHAP General Provisions. The owner or operator shall comply with the following applicable requirements of 40 CFR 63 Subpart A - General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. Link to 40 CFR 63, Subpart A - General Provisions

General Provisions Citation	Subject of Citation
§63.1	General applicability of the General Provisions
§63.2	Definitions (Additional terms defined in §63.6675)
§63.3	Units and abbreviations
§63.4	Prohibited activities and circumvention
§63.5	Construction and reconstruction
§63.6(a)	Applicability
§63.9(a)	Applicability and State delegation of notification requirements
§63.9(b)(1)–(5)	Initial notifications (Except that §63.9(b)(3) is reserved)
§63.9(h)	Notification of Compliance Status
§63.9(i)	Adjustment of submittal deadlines
§63.9(j)	Change in previous information
§63.10(a)	Administrative provisions for recordkeeping/reporting
§63.10(b)(1)	Record retention
§63.10(b)(2)(xii)	Record when under waiver
§63.10(b)(2)(xiv)	Records of supporting documentation
§63.10(d)(1)	General reporting requirements
§63.10(d)(4)	Progress Reports
§63.10(f)	Waiver for recordkeeping/reporting
§63.12	State authority and delegations
§63.13	Addresses
§63.14	Incorporation by reference
§63.15	Availability of information

[40 CFR 63.7565 and Table 10 to Subpart DDDDD of Part 63]

Subsection D. Emissions Unit 014

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

ID No.	Emission Unit Description
014	One 679 HP Diesel Engine-driven Emergency Generator

This unit is an "emergency" diesel engine-driven generator used to power the battery chargers for the GT's and Steam Turbines and can power the fiber hut and shift shop. This engine fires ultra low sulfur diesel fuel.

The following table provides important details for this engine.

Engine Identification	Engine Brake HP	Date of Manufacture	Model Year	Displacement liters/cylinder (l/c)	Engine Manufacturer	Model No.
Emergency Diesel Generator	679 (500 kW)	January 08 Installed: November 2011	2008	2.64	Caterpillar	3456 SHN # C3GO1223

{Permitting Notes: This compression ignition reciprocating internal combustion engine (CI RICE) is regulated under 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE and 40 CFR 60, Subpart IIII, NSPS for Stationary Compression Ignition RICE, adopted in Rules 62.204.800(11)(b) & (8)(b), F.A.C., respectively. This is a "new" stationary emergency CI RICE with a displacement of less than 10 liters per cylinder, located at a major source of HAP, that has been modified, reconstructed or commenced construction on or after 6/12/2006, and that has a post-2007 model year. In accordance with provisions of 40 CFR 63.6590(c)(6), meeting the requirements of 40 CFR 60, Subpart IIII, satisfies compliance with the requirements of Subpart ZZZZ.}

Essential Potential to Emit (PTE) Parameters

D.1. Authorized Fuel. This Stationary Reciprocating Internal Combustion Engine **(**RICE) must use diesel fuel that meets the following requirements for non-road diesel fuel:

a. *Sulfur Content*. The sulfur content shall not exceed = 15 ppm = 0.0015% by weight (ultra low sulfur) for non-road fuel.

b. *Cetane and Aromatic*. The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.

c. *Marking Provisions.* The diesel fuel fired shall be free of marker solvent yellow 124 until November 30, 2014. After December 1, 2014, there are no requirements or restrictions on the use of marker solvent yellow 124.

d. *Use of Existing Fuel.* Any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

[40 CFR 60.4207(b), 80.510(c), 80.510(f)(2) & 80.510(f)(7)]

D.2. Restricted Hours of Operation.

a. *Maintenance and Testing.* This engine is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.

b. *Emergency Situations*. There is no time limit on the use of emergency stationary RICE in emergency situations.

c. *Non-emergency Situations*. This engine may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.

d. *Other Situations*. This engine cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.

[40 CFR 60.4211(f)]

D.3. Operation and Maintenance. Except as permitted in Specific Condition **D.9.**, the owner or operator must operate and maintain the stationary CI internal combustion engine according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. These RICE must be maintained and operated to meet the emissions limits in Specific Conditions **D.4. - D.6.** over the entire life of the engine. [40 CFR 60.4206, 4211(a)(1), (2) & (3)]

Emissions Standards

D.4. NO_X + NMHC Emissions. Emissions of NO_X plus non-methane hydrocarbons shall not exceed 4.0 grams per kilowatt hour (g/kW-hr). [40 CFR 60.4205(b), 40 CFR 60.4202(a)(2) & 40 CFR 89.112(a).

D.5. CO Emissions. Carbon monoxide (CO) emissions shall not exceed 3.5 g/kW-hr. [40 CFR 60.4205(b), 40 CFR 60.4202(a)(2) & 40 CFR 89.112(a)]

D.6. PM Emissions. Particulate matter (PM) emissions shall not exceed 0.2 g/kW-hr. [40 CFR 60.4205(b), 40 CFR 60.4202(a)(2) & 40 CFR 89.112(a)]

Link to 40 CFR 89.112

Monitoring Requirements

D.7. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 60.4209(a)]

Testing and Compliance Requirements

D.8. Engine Certification Requirements. The owner or operator must comply with the emissions standards specified above by having purchased an engine certified by the manufacturer to meet those limits. The engine must have been installed and configured according to the manufacturer's emission-related specifications, except as permitted in Specific Condition **D.9.** [40 CFR 60.4211(c)]

D.9. Compliance Requirements Due to Loss of Certification. If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards. [40 CFR 60.4211(g)(3)]

D.10. Testing Requirements. In the event performance tests are required pursuant to Specific Condition **D.9.**, the following requirements shall be met:

a. *Testing Procedures*. The performance test must be conducted according to the in-use testing procedures in 40 CFR Part 1039, Subpart F. Link to Subpart F

b. *NTE Standards*. Exhaust emissions from these engines must not exceed the not-to-exceed (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard (STD) in Specific Conditions **D.4.**a. & b., **D.5.**a. & b. and **D.6.**a. & b., determined from the following equation:

NTE Requirement For Each Pollutant = (1.25) x (STD) (Eq. 1)

[40 CFR 60.4212(a) & (c)]

D.11. Common Testing Requirements. Unless otherwise specified and if required, 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.]

Records and Reports

D.12. Hours of Operation Records. The owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner or operator must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214]

D.13. Maintenance Records. To demonstrate conformance with the manufacturer's written instructions for maintaining the certified engine and to document when compliance testing must be performed pursuant to Specific Condition **D.9.**, the owner or operator must keep the following records:

a. Engine manufacturer documentation and certification indicating compliance with the standards.
b. A copy of the manufacturer's written instructions for operation and maintenance of the certified engine or procedures developed by the owner or operator that are approved by the engine manufacturer.
c. A written maintenance log detailing the date and type of maintenance performed on the engine, as well as any deviations from the manufacturer's written instructions.

[Rule 62-213.440(1), F.A.C.]

D.14. Testing Notification. At such time that the requirements of Specific Condition **D.9.** become applicable, the owner or operator shall notify the compliance authority of the date by which the initial compliance test must be performed. [Rule 62-213.440(1)]

D.15. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

General Provisions

D.16. 40 CFR 60 Subpart A, General Provisions. The owner or operator shall comply with the applicable requirements of 40 CFR 60 Subpart A, General Provisions, as specified below. Link to 40 CFR 60, Subpart A - General Provisions.

General Provisions Citation	Subject of Citation
§ 60.1	General applicability of the General Provisions
§ 60.2	Definitions (see also § 60.4219)
§ 60.3	Units and abbreviations
§ 60.4	Address
§ 60.5	Determination of construction or modification
§ 60.6	Review of plans
§ 60.9	Availability of information
§ 60.10	State Authority
§ 60.12	Circumvention
§ 60.14	Modification
§ 60.15	Reconstruction
§ 60.16	Priority list
§ 60.17	Incorporations by reference
§ 60.19	General notification and reporting requirements

[40 CFR 60.4218 and Table 8 to 40 CFR 60, Subpart IIII]

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

ID No.	Emission Unit Description
015	One 255 HP Emergency Diesel Fire Pump

This unit is an emergency fire pump that will provide "emergency" back-up fire protection for the plant. This engine fires ultra low sulfur diesel fuel.

The following table provides important details for this engine:

Engine Identification	Engine Brake HP	Date of Manufacture	Model Year	Displacement liters/cylinder (l/c)	Engine Manufacturer	Model No.
Emergency Diesel Fire Pump	255 (190 kW)	2013	2013	1.13 l/c (6 cyl)	John Deere Clarke	6068HFC48

{Permitting Notes: This compression ignition reciprocating internal combustion engine (CI RICE) is regulated under 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE and 40 CFR 60, Subpart IIII, NSPS for Stationary Compression Ignition RICE, adopted in Rules 62.204.800(11)(b) & (8)(b), F.A.C., respectively. This RICE is for a fire pump. This is a "new" stationary emergency CI RICE with a displacement of less than 10 liters per cylinder, located at a major source of HAP, that has been modified, reconstructed or commenced construction on or after 6/12/2006, and that has a post-2007 model year. In accordance with provisions of 40 CFR 63.6590(c)(6), meeting the requirements of 40 CFR 60, Subpart IIII, satisfies compliance with the requirements of Subpart ZZZZ.}

Essential Potential to Emit (PTE) Parameters

E.1. Authorized Fuel. This Stationary Reciprocating Internal Combustion Engine (RICE) must use diesel fuel that meets the following requirements for non-road diesel fuel:

a. *Sulfur Content*. The sulfur content shall not exceed = 15 ppm = 0.0015% by weight (ultra low sulfur) for non-road fuel.
b. *Cetane and Aromatic*. The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.
c. *Marking Provisions.* The diesel fuel fired shall be free of marker solvent yellow 124 until November 30, 2014. After December 1, 2014, there are no requirements or restrictions on the use of marker solvent yellow 124.
d. *Use of Existing Fuel.* Any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

[40 CFR 60.4207(b), 80.510(c), 80.510(f)(2) & 80.510(f)(7)]

E.2. Restricted Hours of Operation.

a. *Emergency Situations*. There is no time limit on the use of emergency stationary RICE in emergency situations.
b. *Maintenance and Testing.* This engine is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
c. *Non-emergency Situations*. This engine may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.

[40 CFR 60.4211(f)]

E.3. Operation and Maintenance. Except as permitted in Specific Condition **E.9.**, the owner or operator must operate and maintain the stationary CI internal combustion engines according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer.

In addition, owners and operators may only change those settings that are permitted by the manufacturer. This RICE must be maintained and operated to meet the emissions limits in Specific Conditions **E.4. - E.6.** over the entire life of the engine. [40 CFR 60.4206, 4211(a)(1), (2) & (3)]

Emissions Standards

E.4. NO_X + NMHC Emissions. Emissions of NO_X plus non-methane hydrocarbons shall not exceed 4.0 grams per kilowatt hour (g/kW-hr) (3.0 grams per horsepower hour (g/HP-hr)). [40 CFR 60.4205(c) & Table 4]

E.5. CO Emissions. Carbon monoxide (CO) emissions shall not exceed 3.5 g/kW-hr (2.6 g/HP-hr). [40 CFR 60.4205(c) & Table 4]

E.6. PM Emissions. Particulate matter (PM) emissions shall not exceed 0.2 g/kW-hr (0.15 g/HP-hr). [40 CFR 60.4205(c) & Table 4]

Monitoring Requirements

E.7. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 60.4209(a)]

Testing and Compliance Requirements

E.8. Engine Certification Requirements. The owner or operator must comply with the emissions standards specified above by having purchased an engine certified by the manufacturer to meet those limits. The engine must have been installed and configured according to the manufacturer's emission-related specifications, except as permitted in Specific Condition **E.9.** [40 CFR 60.4211(c)]

E.9. Compliance Requirements Due to Loss of Certification. If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. [40 CFR 60.4211(g)(2)]

E.10. Testing Requirements. In the event performance tests are required pursuant to Specific Condition **E.9.**, the performance test must be conducted according to the in-use testing procedures in 40 CFR Part 1039, Subpart F. Link to Subpart F [40 CFR 60.4212(a)]

E.11. Common Testing Requirements. Unless otherwise specified and if required, 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.]

Records and Reports

E.12. Hours of Operation Records. The owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner or operator must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214(b)]

E.13. Maintenance Records. To demonstrate conformance with the manufacturer's written instructions for maintaining the certified engine and to document when compliance testing must be performed pursuant to Specific Condition **E.9.**, the owner or operator must keep the following records:

a. Engine manufacturer documentation and certification indicating compliance with the standards.

b. A copy of the manufacturer's written instructions for operation and maintenance of the certified engine or procedures developed by the owner or operator that are approved by the engine manufacturer.
c. A written maintenance log detailing the date and type of maintenance performed on the engine, as well as any deviations from the manufacturer's written instructions.

[Rule 62-213.440(1), F.A.C.]

E.14. Testing Notification. At such time that the requirements of Specific Condition **E.9.** become applicable, the owner or operator shall notify the compliance authority of the date by which the initial compliance test must be performed. [Rule 62-213.440(1)]

E.15. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

General Provisions

E.16. 40 CFR 60 Subpart A, General Provisions. The owner or operator shall comply with the applicable requirements of 40 CFR 60 Subpart A, General Provisions, as specified below. Link to 40 CFR 60, Subpart A - General Provisions.

General Provisions Citation	Subject of Citation
§ 60.1	General applicability of the General Provisions
§ 60.2	Definitions (see also § 60.4219)
§ 60.3	Units and abbreviations
§ 60.4	Address
§ 60.5	Determination of construction or modification
§ 60.6	Review of plans
§ 60.9	Availability of information
§ 60.10	State Authority
§ 60.12	Circumvention
§ 60.14	Modification
§ 60.15	Reconstruction
§ 60.16	Priority list
§ 60.17	Incorporations by reference
§ 60.19	General notification and reporting requirements

[40 CFR 60.4218 and Table 8 to 40 CFR 60, Subpart IIII]

Operated by: Florida Power and Light Company
ORIS Code: 6246

The emissions units listed below are regulated under Acid Rain, Phase II.

EU No.	EPA Unit ID#	Brief Description
003 and 007	HRSG11	Combined Cycle Heat Recovery Steam Generator, HRSG11
004 and 008	HRSG12	Combined Cycle Heat Recovery Steam Generator, HRSG12
005 and 009	HRSG21	Combined Cycle Heat Recovery Steam Generator, HRSG21
006 and 010	HRSG22	Combined Cycle Heat Recovery Steam Generator, HRSG22

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

a. DEP Form No. 62-210.900(1)(a), dated 04/03/13, received 04/03/13.

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

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.]

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

Acid Rain Part Application

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

This submission is: ☐ New ☐ Revised ■ Renewal

STEP 1

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

Plant name Putnam	State Florida	6246 ORIS/Plant Code

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
HRSG11	NO	Yes	N/A	N/A
HRSG12	NO	Yes	N/A	N/A
HRSG21	NO	Yes	N/A	N/A
HRSG22	NO	Yes	N/A	N/A

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Effective: 3/16/08

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Plant Name (from STEP 1) Putnam

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,

Plant Name (from STEP 1) Putnam

STEP 3, Continued.

Recordkeeping and Reporting Requirements (cont)

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

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

Liability.

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

Effect on Other Authorities.

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

STEP 4
For SO_2 Opt-in units only.

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

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

In column "h" enter the hours.

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

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Effective: 3/16/08

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Plant Name (from STEP 1) Putnam

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.

Name Christian Kiernan	Title PGD Technical Services General Manager
Owner Company Name Florida Power & Light	
Phone 561-691-2781	E-mail address Christian.kiernan@fpl.com
Signature	Date 12/17/2012

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

4

Clean Air Interstate Rule (CAIR).

Operated by: Florida Power and Light Company
Plant: Putnam Power Plant
ORIS Code: 6246

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

EU No.	EPA Unit ID#	Brief Description
003 and 007	HRSG11	Combined Cycle Heat Recovery Steam Generator, HRSG11
004 and 008	HRSG12	Combined Cycle Heat Recovery Steam Generator, HRSG12
005 and 009	HRSG21	Combined Cycle Heat Recovery Steam Generator, HRSG21
006 and 010	HRSG22	Combined Cycle Heat Recovery Steam Generator, HRSG22

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 April 3, 2013, 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: Putnam	State: Florida	ORIS or EIA Plant Code: 006246

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
HRSG11	X	X	X		
HRSG12	X	X	X		
HRSG21	X	X	X		
HRSG22	X	X	X		

STEP 3

Read the standard requirements.

Plant Name (from STEP 1) Putnam

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.

Plant Name (from STEP 1)	Putnam

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.

Plant Name (from STEP 1) Putnam

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.

Plant Name (from STEP 1) Putnam

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.

Name Christian Kiernan	Title PGD Technical Services General Manager (DR)
Company Owner Name: Florida Power & Light	
Phone 561-691-2781	E-mail Address christian.kiernan@fpl.com
Signature	Date 12/17/2012

SECTION VI. APPENDICES.

The Following Appendices Are Supporting Documents for the Air Operating Permit and are Enforceable as Allowed by Rule Applicability:

Appendix A, Glossary.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart Db.
Appendix NSPS, Subpart Dc.
Appendix RR, Facility-wide Reporting Requirements.
Appendix HI, Heat Input vs. Ambient Temperature Curves.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix U, List of Unregulated Emissions Units and/or Activities.