Florida Power & Light Company
Smith Electric Generating Plant

Facility ID No. 0050014
Bay County

Title V Air Operation Permit Renewal

Permit No. 0050014-040-AV
(Renewal of Title V Air Operation Permit No. 0050014-033-AV)

Permitting Authority:
State of Florida
Department of Environmental Protection
Division of Air Resource Management
Permit Review Section
2600 Blair Stone Road
Mail Station #5505
Tallahassee, Florida 32399-2400

Telephone: (850) 717-9000
Email: DARM_Permitting@dep.state.fl.us

Compliance Authority:
Department of Environmental Protection
Northwest District Office
160 Governmental Center, Suite 308
Pensacola, Florida 32502-5794

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Title V Air Operation Permit Renewal

Permit No. 0050014-040-AV

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Section **Page Number**

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PERMITTEE:
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Lynn Haven, Florida 32409

Permit No. 0050014-040-AV
Smith Electric Generating Plant
Facility ID No. 0050014
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 Smith Electric Generating Plant is located in Bay County at 4300 County Road 2300, Lynn Haven, Florida 32409. UTM Coordinates are: Zone 16, 623.74 Kilometer (km) East and 3349.11 km North. Latitude is: 30º 16′ 6.2″North; and, Longitude is: 85º 42′ 59.8″ West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Executed in Tallahassee, Florida.

0050014-040-AV Effective Date: January 9, 2025
Renewal Application Due Date: Exp. May 29, 2029
Expiration Date: January 9, 2030

David Lyle Read, P.E.

Digitally signed by David Read
Date: 2025.01.09 11:33:29 -05'00'

David Lyle Read, P.E., Environmental Administrator
Permit Review Section
Division of Air Resource Management

DLR/jb

Subsection A. Facility Description.

The Smith Plant is an existing electric generating plant operated by Gulf Power Company. This facility consists of a Pratt & Whitney Twin-Pac combustion turbine peaking unit, and two gas-fired combined-cycle combustion turbine (CCCT) electrical generators with duct-fired heat recovery steam generators (HRSG). The Twin-Pac system, designated as Unit A, has a maximum heat input of 542 million British thermal units per hour (MMBtu/hour) and is authorized to fire No. 2 fuel only. The two combined-cycle combustion turbines, designated as Units 3A & 3B, can achieve a nominal 610 megawatts (MW), at annual average site conditions, with duct burners, while firing exclusively natural gas. Units 3A & 3B are Acid Rain units.

The facility also includes emergency and non-emergency reciprocating internal combustion engines (RICE).

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
003	Twin-Pac Combustion Turbine Peaking Unit (Unit A)
004	Gas Combustion Turbine with HRSG and Duct Burner (Unit 3A)
005	Gas Combustion Turbine with HRSG and Duct Burner (Unit 3B)
012	550 HP Emergency Diesel Generator at CCCT
013	153 HP Emergency Diesel Sump Pump (Big Blue)
015	Fire Pump Engine
016	Two 49 HP Emergency Diesel Generators for Hurricane Shelter
017	Radio Tower Building Emergency Generator
Unregulated Emissions Units and Activities (see Appendix U, List of Unregulated Emissions Units and/or Activities)	
006	Salt Water Cooling Tower
008	Fugitive PM Sources – On-site Vehicles

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I, List of Insignificant Emissions Units and/or Activities).

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received July 8, 2024, this facility is not a major source of hazardous air pollutants (HAP). The existing facility is a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
Federal Rule Citations	
40 CFR 60, Subpart A, NSPS, General Provisions	004, 0012, 013, 015 016, 017
40 CFR 60, Subpart IIII, NSPS, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	012, 013, 015, 016
40 CFR 60, Subpart JJJJ, NSPS, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	017
40 CFR 60, Subpart KKKK, NSPS, Standards of Performance for Stationary Combustion Turbines	004, 005
40 CFR 63, Subpart A, NESHAP, General Provisions	012, 013, 015, 016, 017

Regulation	EU No(s).
40 CFR 63, Subpart ZZZZ, NESHAP, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	012, 013, 015, 016
40 CFR 75 Acid Rain Monitoring Provisions	004, 005
State Rule Citations	
Chapter 62-4, F.A.C., Permits	All
Chapter 62-204, F.A.C., Air Pollution Control – General Provisions	00.3, 004, 005, 006, 008, 012, 013, 015, 016
Rule 62-210.300, F.A.C., General Preconstruction Review Requirements	
Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD)	004, 005
Chapter 62-213, F.A.C., Operation Permits for Major Sources of Air Pollution	003, 004, 005, 006, 08, 012. 013
Chapter 62-214, F.A.C., Requirements for Sources Subject to the Federal Acid Rain Program	001, 002 (Retired) 004, 005 (Active)
Chapter 62-297, F.A.C., Stationary Sources – Emissions Monitoring	003, 004, 005, 006, 008,012, 013, 015, 016

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

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

Emissions and Controls

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

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

{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. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C.]

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

a. Vehicular traffic on paved and unpaved roads.
b. Windblown dust from yard areas.
c. Periodic abrasive blasting.
d. Chemical or water application to unpaved roads and/or unpaved yard areas.
e. Paving and maintenance of roads, parking areas, and yards.
c. Landscaping or planting of vegetation.
d. Confining abrasive blasting where possible.
f. Other techniques, as necessary.

[Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in Title V air operation permit renewal application received July 8, 2024

Reports and Fees

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

FW6. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount

determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, Post Office Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: https://floridadep.gov/air/permitting-compliance/content/title-v-fees. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

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

{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW7. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit and to the U.S. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective (See also Appendix RR, Conditions RR1 and RR7). The annual statement of compliance can be submitted to the U.S. EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) on EPA's Central Data Exchange (CDX) at https://cdx.epa.gov/. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

U.S. Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303
Attn: Air Enforcement Branch

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: https://www.epa.gov/rmp. 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]

FW8. Semi-Annual Reports. The permittee shall monitor compliance with the terms and conditions of this permit and shall submit reports at least every six months to the compliance office. Each semi-annual report shall cover the 6-month periods of January 1 – June 30 and July 1 – December 31. The reports shall be submitted by the 60th day following the end of each calendar half (i.e., March 1st and August 29th of every year). All instances of deviations from permit requirements (including conditions in the referenced Appendices) must be clearly identified in such reports, including reference to the specific requirement and the duration of such deviation. If there are no deviations during the reporting period, the report shall so indicate.

Any semi-annual reporting requirements contained in applicable federal NSPS or NESHAP requirements may be submitted as part of this report. The submittal dates specified above shall replace the submittal dates specified in the federal rules. All additional reports submitted as part of this report should be clearly identified according to the specific federal requirement. All reports shall include a certification by a responsible official, pursuant to subsection 62-213.420(4), F.A.C. [Rule 62-213.440(1)(b)3.a., F.A.C.; and, 40 CFR 60.19(d), 40 CFR 61.10(h) & 40 CFR 63.10(a)(5)]

Overall Facility		
Report	**Reporting Deadline**	**Related Condition(s) and Regulation(s)**
Title V Semi-Annual Report	Within 60 days after the end of each calendar half	**FW10** [Rule 62-213.440(1)(b)3.a, F.A.C. & 40 CFR 70.6(a)(3)(iii)(A)]
Emissions Unit Nos. 004 & 005 – Combined Cycle Combustion Turbines with HRSG and Duct Burner (Units 3A & 3B)		
Report	**Reporting Deadline**	**Related Condition(s)**
NSPS 40 CFR 60.7(c)	Within 60 days after the end of each calendar half	**B.27**

(See also Conditions RR2. - RR4. of Appendix RR, Facility-wide Reporting Requirements, for additional reporting requirements related to deviations.)

{Permitting Note: EPA has clarified that, pursuant to 40 CFR 70.6(a)(3), the word "monitoring" is used in a broad sense and means monitoring (i.e., paying attention to) the compliance of the source with all emissions limitations, standards, and work practices specified in the permit.}

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

EU No.	Brief Description
003	Twin Pack Combustion Turbine Peaking Unit (Unit A)

Unit A is a Pratt and Whitney Twin-Pac combustion turbine-generator set consisting of two jet engine combustion turbines powering a common 40 MW electrical generator. The Twin-Pac system has a maximum heat input of 542 million Btu per hour (MMBtu/hour) while being fueled by new No. 2 fuel oil with a maximum sulfur content of 0.5%, by weight. Emissions from these combustion turbines are uncontrolled.

{Permitting Notes: This emissions unit is regulated under Rule 62-210.300, F.A.C., Permits required. These turbines are not subject to 40 CFR 60, Subpart GG, Standards of Performance for New Stationary Gas Turbines. Each combustion turbine has its own stack with the following stack parameters: Stack heights = 33 feet; rectangular stack exit dimensions = 13'-7" x 10'-2" (equivalent diameter = 13.26 feet)*; exit temperatures = 1,200 ºF; and, actual volumetric flow rates = 1,069,740 acfm. They began commercial operation on May 18, 1971.}*

Essential Potential to Emit (PTE) Parameters

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

Unit No.	MMBtu/hr Heat Input	Fuel Type
003	542 (total)	No. 2 Fuel Oil

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), F.A.C.]

A.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(3), F.A.C.]

A.3. Methods of Operation. Only new No. 2 fuel oil shall be fired in this combustion turbine engine. [Rule 62-213.410, F.A.C.; Applicant's request in Title V permit renewal application received July 8, 2024]

A.4. Hours of Operation. These emissions units may operate continuously without. [Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time(s) for Specific Conditions **A.5**.- **A.6** are based on the specified averaging time of the applicable test method.

A.5. Visible Emissions. Visible emissions from each combustion turbine stack shall not be equal to or greater than 20 percent opacity. [Rule 62-296.320(4)(b)1., F.A.C.; and, Permit No. AO03-249657]

A.6. Sulfur Dioxide (SO_2) - Sulfur Content. The sulfur content of the new No. 2 fuel oil shall not exceed 0.5 percent, by weight (see Specific Condition **A.10.)**. The permittee shall maintain a log available for Department inspection of the fuel sulfur content. [Rule 62-213.440, F.A.C.; and, Permit No. AO03-249657]

Excess Emissions

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

A.7. Excess Emissions. Excess emissions resulting from startup, shutdown or malfunction shall only apply to unit-specific emission limits established on or before October 23, 2016, pursuant to Rules 62-212.400, F.A.C.

a. *Malfunction*. Excess emissions resulting from malfunction of any emissions unit shall be permitted provided (1) best practices to minimize emissions are adhered to and (2) the duration of excess emissions

shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

b. *Startup or Shutdown*. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown shall be permitted provided that best practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.

c. *Prohibited*. Excess emissions that are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown, or m malfunction shall be prohibited.

[Rules 62-210.700(1) & (2), F.A.C.]

Monitoring of Operations

A.8. Fuel Sulfur Monitoring. The permittee shall demonstrate compliance with the No. 2 fuel oil sulfur limit by means of a fuel analysis provided by the vendor upon each fuel delivery. See Specific Conditions **A.6.** and **A.11.** [Rule 62-213.440, F.A.C.; and, Permit No. AO03-249657]

Test Methods and Procedures

A.9. Test Methods. When 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 methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-204.800, F.A.C.]

A.10. Fuel Sulfur Content. The fuel sulfur content, percent by weight, provided by the vendor for each delivery of liquid fuels shall be evaluated using either ASTM D2622-16, ASTM D4057-19, ASTM D4294-90, ASTM D129-91, or the respective successor ASTM method(s). In addition, any ASTM method (or later editions) is acceptable. [Rule 62-213.440, F.A.C.]

A.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, F.A.C.]

{Permitting Note: Air compliance test notifications can now be completed online in the Department's Business Portal. To access this online process, go to http://www.fldepportal.com/go/home and sign in (or register if you're a new user) from the link in the upper right corner of the page. On the Welcome page select the Submit option, then select Registration/Notification, and then click on Air Compliance Test Notifications. Once in the process, read the instructions on each screen (and under the Help tabs) to complete the notification.}

A.12. Annual Compliance Tests Required. During each calendar year (January 1 – December 31), this unit shall be tested to demonstrate compliance with the emissions standards for VE. An annual visible emissions test shall not be required for any emissions unit with emissions generated solely from the combustion of fuel, provided that the emissions unit does not burn any liquid fuel or fuel blend for more than 400 hours combined, other than during startup, during the calendar year. If an emissions unit's liquid fuel or fuel blend burning exceeds 400 hours combined during the calendar year, other than during startup, an emissions test shall be completed no later than 60 days after the emissions unit's liquid fuel or fuel blend burning exceeds 400 hours combined, or by the end of the calendar year, whichever is later. (See also Appendix TR - Facility-wide Testing Requirements, Condition **TR.7.a.**). [Rule 62-297.310(8)(a)3, F.A.C.]

A.13. Compliance Tests Prior To Renewal. Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.**b.(3) in Appendix TR – Facility-wide Testing Requirements), 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 **A.5.** [Rules 62-210.300(2)(a) and 62-297.310(8)(b)1., F.A.C.]

{Permitting Note: Tests which are only required once during the term of a permit prior to obtaining a renewed permit should be performed roughly five years from the previous test.}

Recordkeeping and Reporting Requirements

A.14. Other Reporting Requirements. See Appendix RR, Facility-wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

A.15. Hours of Operation Log. The permittee shall maintain an operation log available for Department inspection that documents the total hours of annual operation. [Rules 62-213.440 & 62-210.200(PTE), F.A.C.]

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

EU No.	Brief Description
004	Combined Cycle Combustion Turbine with HRSG and Duct Burner (Unit 3A)
005	Combined Cycle Combustion Turbine with HRSG and Duct Burner (Unit 3B)

Units 3A and 3B consist of a General Electric Model No. PG7241 (FA) combined-cycle combustion turbine with electrical generator set and General Electric OpFlex Peak enhancement package designed to expand the peak power production profile. A Continuous Dynamics Monitoring (CDM) system is installed to ensure that the combustion system parameters are kept at optimal performance. CDM is part of the remote dry low-NO_X (DLN) tuning service provided by General Electric.

The unit will achieve a nominal 610 MW, at annual average site conditions, with duct burners. These units are capable of a maximum of approximately 682 MW in combined cycle operation with power augmentation and partial wet compression at 95 degrees F. The maximum heat input of the combustion turbines is a nominal 2,350 MMBtu/hour based on the Lower Heating Value (LHV) at 65 degrees F, each. The maximum heat input of the duct burners is a nominal 303 MMBtu/hr (LHV at 65 degrees F), each. Unit 3 includes two 121-foot stacks, a small heater for the gas pipeline, and a 10-cell, mechanical draft salt water cooling tower. The cooling tower is not subject to a NESHAP because chromium-based chemical treatment is not used; therefore, it is included in the permit in Appendix U as an unregulated emissions activity. Simple cycle operation is not a permitted activity. Support facilities for Unit 3 include water treatment and storage facilities. Emissions from Units 3A and 3B are controlled by Dry Low NO_X (DLN) combustors firing exclusively natural gas. Inherently clean fuels and good combustion practices are employed to control all pollutants.

{Permitting notes: These units began commercial operation during January of 2002. Units 3A and3B are regulated under the federal Acid Rain Program, Phase II, and 40 CFR 60, Subpart KKKK - Standards of Performance for Stationary Combustion Turbines, which is adopted and incorporated by reference in Rule 62-204.800(8)(b), F.A.C. In accordance with Rule 62-212.400(PSD), F.A.C., Permit Nos. 0050014-002-AC/PSD-FL-269 & 0050014-003-AC/PSD-FL-269A subjected both units 3A & 3B to a BACT determination for CO, SO_2/SAM and VOC emissions. Emissions standards specified in these permits allowed these units to avoid PSD preconstruction review for NOx emissions. The parameters for each stack are: stack heights = 121 feet, exit diameters = 16.8 feet, exit temperatures = 186 ºF, actual volumetric flow rates = 981,334 acfm.}

Essential Potential to Emit (PTE) Parameters

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

Unit No.	MMBtu/hr Heat Input	Fuel Type
004	2,350[a] / 303[b]/ 2,450[c]	Natural Gas
005	2,350[a] / 303[b]/ 2,450[c]	Natural Gas

a. *Combustion Turbine Capacity.* The maximum heat input rate, based on the LHV of the fuel at ambient conditions of 65°F temperature, 100% load, and 14.7 psi pressure shall not exceed 2,350 MMBtu/hr for each combustion turbine when firing natural gas. The maximum heat input rates will vary depending upon ambient conditions and the combustion turbine characteristics. Manufacturer's curves corrected for site conditions or equations for correction to other ambient conditions shall be provided to the Department of Environmental Protection (DEP) within 60 days of completing annual compliance testing. (See Appendix HI - Heat Input Curves.)

b. *Heat Recovery Steam Generator equipped with Duct Burner*. The maximum heat input rate of each natural gas fired duct burner shall not exceed 303 MMBtu/hour (LHV).

[Rules 62-4.160(2) & 62-210.200(PTE), F.A.C.; and, Permit Nos. 0050014-002-AC, 0050014-003-AC & 0050014-031-AC]

c. *Winter Peak Mode of Operation*:

i. When firing natural gas and operating in a winter peak mode, the maximum heat input rate shall not exceed 2,450 MMBtu per hour based on the lower heating value (LHV) for each combustion turbine.
ii. Each combustion turbine shall operate in winter peak mode for no more than 1,600 hours during any consecutive 12 months of operation.

[Rules 62-4.070(1) & (3) & 62-210.200(PTE), F.A.C., and, Permit Nos. 0050014-035-AC, Specific Condition **A.2.** & 0050014-036-AC.]

B.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(3), F.A.C.]

B.3. Methods of Operation-Fuel. Pipeline natural gas is the only fuel allowed to be fired in the two combined-cycle combustion turbines. [Rules 62-210.200(BACT), 62-212.400(PSD BACT), 62-213.410, F.A.C., 62-213.410, F.A.C; Applicant's request in Title V permit renewal application received July 8, 2024 and, Permit No. 0050014-002-AC]

*{Permitting Note: For the purposes of Subsection B. of this permit, "pipeline natural gas" means natural gas with a sulfur content of less than 2.0 grains per dry standard cubic foot that is provided by the natural gas pipeline transmission company. (See Specific Condition **B.9.**)}*

B.4. Hours of Operation. These emissions units may operate continuously without while firing natural gas. Combined operation in steam power augmentation mode plus OpFlex Peak mode shall not exceed a total of 3,000 hours per year per unit. [Rule 62-210.200 F.A.C. (PTE), and, Permit No. 0050014-031-AC]

B.5. Combined Cycle Operation with Steam Dumped to Condenser. If the steam-electrical turbine generator is off line, the permittee is authorized to operate the gas turbine/HRSG systems by dumping steam to the condenser. This is not considered a separate mode of operation with respect to emission limits. When operating in this manner, each unit shall comply with the respective standards given in Specific Condition **B.7** of this permit for each mode of operation indicated therein.

Control Technology

B.6. NO_X Control. DLN combustors shall be maintained on the stationary combustion turbine and Low NO_X burners shall be maintained in the duct burner arrangement to comply with the NO_X emissions limits listed in Specific Conditions **B.6.** and **B.8.** DLN systems shall each be maintained as per manufacturer's recommendation. [Permit No. 0050014-002-AC]

Emission Limitations and Standards

Unless otherwise specified, the averaging times for Specific Conditions **B.7**. - **B.11**. are based on the specified averaging time of the applicable test method.

B.7. Emissions Summary.

a. The following table is a summary of the BACT determination and is followed by the applicable specific conditions. Values are corrected to 15% O_2 on a dry basis. These limits, or their equivalent in terms of lb/hr or NSPS units, as well as the applicable averaging times, are followed by the applicable specific conditions.

Emission Unit	NO_X (1)	CO BACT	SO_2/SAM BACT	VOC BACT	PM/Visibility (% Opacity)	Technology and Comments
CTs with Duct Burners	10.6 ppmvd @ 15% O_2	16 ppm @ 15% O_2	2 gr/100 scf natural gas (2)	4 ppm @ 15% O_2	10%	Dry Low NO_X Combustors Natural Gas, Good Combustion
DB	0.1 lb/MM Btu					

Emission Unit	NO_X (1)	CO BACT	SO_2/SAM BACT	VOC BACT	PM/Visibility (% Opacity)	Technology and Comments
Steam Power Augmentation	15.0 ppmvd @ 15% O_2	23 ppm @ 15% O_2	2 gr/100 scf natural gas (2)	6 ppm @ 15% O_2	10%	Each unit limited to 3,000 hours per year of combined operation in steam augmentation and OpFlex peaking mode
OpFlex Peak Enhancement	15.0 ppmvd @ 15% O_2	23 ppm @ 15% O_2	2 grains per 100 scf of natural gas	NA[e]	10%	Continuous Dynamics Monitoring system

(1) NO_X limits not determined by BACT.
(2) See Fuel Monitoring Schedule in Specific Condition **B.15.**
[Rule 62-212.400(12), F.A.C.; and, Permit Nos. 0050014-002-AC, 0050014-019-AC, 0050014-028-AC & 0050014-031-AC]

b. In addition to the above conditions that were established by permit 0050014-002-AC, EU 004 and EU 005 are also independently subject to all of the emission standards and requirements of 40 CFR 60, Subpart KKKK - Standards of Performance for Stationary Combustion Turbines, included with permit as Appendix NSPS Subpart KKKK. [Rule 62-204.800(8)(b), F.A.C.; 40 CFR 60, Subpart KKKK; and, Permit No. 0050014-031-AC]

c. The OpFlex peaking mode will be used to displace some of the steam power augmentation mode and is subject to the same emissions standards and initial Best Available Control Technology (BACT) determinations. [Permit No. 0050014-019-AC]
{Permitting note: OpFlex peak mode can be run concurrently with the steam power augmentation mode.}

d. OpFlex peaking mode. Emissions of NO_X in the stack exhaust gas with the combustion turbine operating in the OpFlex peaking mode with or without duct firing shall not exceed 15.0 ppmvd @ 15% O_2 based on a 24-hour block average of data collected by the continuous emissions monitor system (CEMS) and prorated daily as necessary based upon hours of operation per operating mode. The CTs and duct burners shall comply with 40 CFR 60, Subpart KKKK, as required and defined for startup, shutdown, and malfunction. [Permit No. 0050014-031-AC]

e. Winter Peak Mode. While operating in the winter peak mode:
   1) NOx emissions shall not exceed 130 lb/hour (ISO conditions) per combustion turbine, as determined by EPA Method 7E or 20.
   2) CO emissions shall not exceed 40 lb/hour (ISO conditions) per combustion turbine, as determined by EPA Method 10.
   3) VOC emissions shall not exceed 3.2 lb/hour (ISO conditions) per combustion turbine, as determined by EPA Method 18 or 25A.

   [Permit No. 0050014-035-AC, Specific Condition **A.3.**]

f. Compliance with the CO emissions standard shall be demonstrated by stack testing in accordance with Method 10, promulgated by the Environmental Protection Agency (EPA). [Permit No. 0050014-031-AC]
{Permitting Note: For informational purposes, the CO limit equates to 116.6 lb/hour. Compliance with the CO limit also provides reasonable assurance that VOC emissions are very low (<6 ppmvd @ 15% O_2).}

g. Emissions of SO_2 and SAM shall be minimized by the firing of natural gas meeting this fuel sulfur specification. Compliance with this requirement may be demonstrated with data collected from the natural gas pipeline transmission company in conjunction with the current NSPS Custom Fuel Monitoring Schedule specified in the Title V air operation permit. [Permit No. 0050014-019-AC]

h. Compliance with the visible emissions standard shall be determined by EPA Method 9. [Permit No. 0050014-019-AC]

B.8. Visible Emissions. VE shall serve as a surrogate for PM/PM_{10} emissions from the combustion turbine operating with or without steam augmentation and/or the duct burner and shall not exceed 10 percent opacity from the stack in use. PM/PM_{10} emissions (for information only) are up to 43 lb/hr. [Rules 62-4.070, 62-212.400 & 62-204.800(8), F.A.C.; and, Permit No. 0050014-002-AC]

B.9. NO_X Emissions.

a. Emissions of NO_X in the stack exhaust gas, with the combustion turbine operating and the duct burner on shall not exceed 10.6 ppmvd @ 15% O_2 (30-day rolling average). Emissions of NO_X in the stack exhaust gas, with the combustion turbine operating with steam augmentation and the duct burner on shall not exceed 15.0 ppm (24-hour block average). Compliance for both the 30-day rolling average and the 24-hour rolling average will be determined by the continuous emission monitor system (CEMS) corrected to 15% O_2 and compared against the prorated limits based upon hours of operation per operating mode. The highest mode's limit (as shown below) will apply to each respective hour in the average used to calculate the prorated limit.

Operating Mode	NO_X Emission Limits (at 15% O_2)
CTs with Duct Burners	10.6 ppmvd
Steam Power Augmentation or Winter Peak	15.0 ppmvd
<75% of peak load	96 ppmvd

b. The CTs and duct burners shall comply with 40 CFR 60, Subpart KKKK, as required and defined for startup, shutdown, and malfunction.

c. Emissions of NO_X from the duct burner shall not exceed 0.1 lb/MMBtu, which is more stringent than the NSPS.

d. When NO_X monitoring data is not available, substitution for missing CEMS data shall be handled as required by Title IV (40 CFR 75) to calculate any specified average time. Heat input for these periods shall be determined by fuel sampling and measurement.

{Permitting Note: In accordance with 40 CFR 60, Subpart KKKK, periods of startup and shutdown are by definition periods of low load, the ''part-load standard'' (less than 75 percent of peak load) which would apply to all hours that contain a startup or shutdown event.}
[Permit Nos. 0050014-002-AC & 0050014-031-AC]

B.10. Sulfur Dioxide. SO_2 emissions shall be limited by firing natural gas with a total sulfur content less than 2 grains per 100 standard cubic foot as determined and provided by the natural gas pipeline transmission company. Compliance with this requirement in conjunction with implementation of the Custom Fuel Monitoring Schedule in Specific Condition **B.15.** will demonstrate compliance with the applicable NSPS SO_2 emissions limitations from the duct burner or the combustion turbine. {For informational purposes, annual SO_2 emissions will be up to 105 TPY} [Rules 62-4.070, 62-212.400 & 62-204.800(7), F.A.C.; and, Permit No. 0050014-003-AC]

B.11. Carbon Monoxide. As determined by stack testing using EPA Method 10, emissions of CO in the stack exhaust gas with the combustion turbine operating and duct burner on shall exceed neither 16 ppm nor 23 ppm (@ 15%O_2) with steam augmentation and/or OpFlex. {For informational purposes, this equates to 78.7 lb/hr and 116.6 lb/hr respectively} [Rule 62-212.400, F.A.C.; and, Permit No. 0050014-002-AC]

B.12. Volatile Organic Compounds. Emissions of VOC in the stack exhaust gas with the combustion turbine operating and duct burner on shall exceed neither 4 ppm nor 6 ppm (@ 15%O_2) with steam augmentation to be demonstrated by initial stack test using EPA Method 18, 25 or 25A. {For informational purposes, this equates to 10.2 lb/hr and 16.8 lb/hr respectively} [Rule 62-212.400, F.A.C.; and, Permit No. 0050014-002-AC]

Excess Emissions

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

B.13. Excess Emissions. Excess emissions resulting from startup, shutdown or malfunction shall only apply to unit-specific emission limits established on or before October 23, 2016, pursuant to Rules 62-212.400, F.A.C.

a. *Malfunction*. Excess emissions resulting from malfunction of any emissions unit shall be permitted provided (1) best practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

b. *Startup or Shutdown*. Excess emissions from existing fossil fuel steam generators resulting from startup or shutdown shall be permitted provided that best practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized.

c. *Prohibited*. Excess emissions that are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown, or m malfunction shall be prohibited.

[Rules 62-210.700(1) & (2), F.A.C.]

B.14. 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. Such preventable emissions shall be included in the calculation of the 30-day rolling averages compiled by the continuous NO_X emissions monitor. [Rule 62-210.700(1), F.A.C.; and, Permit No. 0050014-002-AC]

Monitoring of Operations

B.15. Natural Gas Monitoring Schedule. A custom fuel monitoring schedule pursuant to 40 CFR 75 Appendix D for natural gas may be used in lieu of the daily sampling requirements of 40 CFR 60.4370(b) (see also Appendix NSPS, Subpart KKKK for additional sulfur monitoring requirements and waivers for demonstrating compliance with the Subpart KKKK SO_2/fuel sulfur limits), provided the following requirements are met (monitoring of nitrogen content is not required):

a. The permittee shall apply for an Acid Rain permit within the deadlines specified in 40 CFR 72.30.
b. The permittee shall submit a monitoring plan, certified by signature of the Designated Representative, that commits to using a primary fuel of pipeline supplied natural gas pursuant to 40 CFR 75.11(d)(2).
c. Each unit shall be monitored for SO_2 emissions using methods consistent with the requirements of 40 CFR 75 and certified by the USEPA.
d. This custom fuel monitoring schedule will only be valid when pipeline natural gas is used as a primary fuel. If the primary fuel for these units is changed to a higher sulfur fuel, SO_2 emissions must be accounted for as required pursuant to 40 CFR 75.11(d).

Gulf Power shall notify DEP of any change in natural gas supply for reexamination of this monitoring schedule. A substantial change in natural gas quality (i.e., sulfur content variation of greater than 1 grain per 100 cubic foot of natural gas) shall be considered as a change in the natural gas supply. Sulfur content of the natural gas will be monitored weekly by the natural gas supplier during the interim period when this monitoring schedule is being reexamined. [Permit No. 0050014-002-AC]

Continuous Monitoring Requirements

B.16. NO_X CEMS. The permittee shall maintain and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides emissions from these units. Periods when NO_X emissions are above the standards, listed in Specific Conditions **B.7** and **B.9.**, shall be reported to the DEP Northwest District Office within one working day (verbally) followed up by a written explanation postmarked no later than three

(3) working days (alternatively by email within one working day). [Rules 62-204.800, 62-210.700, 62-4.130, 62-4.160(8), F.A.C.; 40 CFR 60.7; and, Permit Nos. 0050014-002-AC & 0050014-028-AC (PSD-FL-269B)]

B.17. NO_X CEMS Requirements for Continuous Compliance. Continuous compliance with the NO_X emission limits shall be demonstrated with the CEM system based on the applicable averaging time of 30-day rolling average. Based on CEMS data, a separate compliance determination is conducted at the end of each operating day and a new average emission rate is calculated from the arithmetic average of all valid hourly emission rates from the previous operating day. A valid hourly emission rate shall be calculated for each hour in which at least two NO_X concentrations are obtained at least 15 minutes apart. A valid operating day shall consist of at least one valid operating hour. These excess emissions periods shall be reported as required. Continuous compliance with the 0.1 lb/MMBtu limit for the duct burners will be demonstrated through continuous compliance with the combined duct burner and CT emission limits. [Permit No. 0050014-002-AC]

{Permitting Note: The requirements for the NO_X CEMS, which are installed and maintained in accordance with 40 CFR 75, are at least as stringent as the requirements of 40 CFR 60, and are an acceptable alternative.}

Test Methods and Procedures

B.18. Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
18	Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines
25 and or 25A	Method for Determining Gaseous Organic Concentrations (Flame Ionization)

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-204.800, F.A.C., Permit No. 0050014-002-AC]

B.19. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

B.20. Annual Compliance Tests Required. During each calendar year (January 1 - December 31), EU 004 and EU 005 shall be tested to demonstrate compliance with the emissions standards for CO, VE and NO_X. Annual compliance with the applicable NO_X emissions standards shall also be demonstrated with valid data collected by the required CEM systems during the required annual RATA at permitted capacity. Continuous compliance with the NO_X limits shall be demonstrated as specified in Specific Condition **B.17.** (See also Specific Condition B.21.) Annual compliance testing in winter peak mode is not required unless the unit operates for 400 hours or more in winter peak mode during the calendar year. When testing is required in Winter Peak Mode, the CO annual test does not require the use of duct burners. [Rule 62-297.310(8), F.A.C.; and, Permit Nos. 0050014-002-AC, 0050014-028-AC (PSD-FL-269B) & 0050014-036-AC]

B.21. Compliance Tests Prior To Renewal. Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.**b.(3) in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified above, compliance tests shall also be performed for CO and VE once every 5 years while operating in the OpFlex peaking mode. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits in Specific Conditions **B.7. - B.12.** Pursuant to Rule 62-297.310(8)(b)3.c., F.A.C., tests will only be required for the modes in which the unit actually operated in for 400 hours or more per year in the previous five-year period of operation (see also Condition TR7. b.(3)(c) in Appendix TR, Testing Requirements). [Rules 62-210.300(2)(a), 62-297.310(8)(b), F.A.C.; and, Permit No. 0050014-019-AC]

Additional Compliance Test Requirements

B.22. Compliance with the SO_2 and PM/PM_{10} emission limits. Notwithstanding the requirements of Rule 62-297.310(8), F.A.C., the use of pipeline natural gas is the method for determining compliance for SO_2 and PM_{10}. For the purposes of demonstrating compliance with the 40 CFR 60.4330(a) SO_2 standard, ASTM methods D4084-82 or D3246-81 (or equivalent) for sulfur content of gaseous fuel shall be utilized in accordance with the EPA-approved custom fuel monitoring schedule, or natural gas supplier data may be submitted, or the natural gas sulfur content referenced in 40 CFR 75 Appendix D may be utilized. However, the applicant is responsible for ensuring that the procedures in 40 CFR 60.4360 or 40 CFR 75 are used when determination of fuel sulfur content is made. Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency pursuant to 40 CFR 60, Subpart KKKK. [Rule 62-212.400, F.A.C.(BACT); and, Permit No. 0050014-002-AC]

B.23. Compliance with CO emission limit. Annual compliance testing for CO may be conducted at less than capacity when compliance testing is conducted concurrent with the annual RATA testing for the NO_X CEMS required pursuant to 40 CFR 75. As an alternative to annual testing in a given year, periodic tuning data may be provided to demonstrate compliance in the year the tuning is conducted. [Permit No. 0050014-002-AC]

{Permitting Note: For optional CO testing conducted concurrent with the annual NO_X RATA, the allowance for testing at less than capacity is non-specific as to operating mode, i.e., with or without steam power augmentation. Compliance shall be demonstrated with the emissions limits applicable to the particular mode of operation the unit happens to be operating in while the test is being conducted. All attempts shall be made to demonstrate compliance with each mode of operation at least once during each 5-year permit cycle.}

B.24. Compliance with the VOC emission limit. Compliance with the CO emission limit and periodic tuning data shall be employed as surrogates to demonstrate the compliance with the VOC emissions limit. No regular annual testing is required. [Permit No. 0050014-002-AC]

B.25. Tests After Substantial Modifications. All performance tests required for initial startup shall also be conducted after any substantial modification and appropriate shakedown period of air pollution control equipment including the replacement of dry low-NO_X combustors. Shakedown periods shall not exceed 100 days after re-starting the combustion turbine. [Permit No. 0050014-002-AC]

Recordkeeping and Reporting Requirements

B.26. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
Notice of NSPS Excess Emissions	Semi-Annually	**B.27**
Notice of Excess Emissions – Malfunctions	Within one working day	**B.29**
Notice of Actual Emissions	Annually	**B.30**

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

B.27. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

B.28. Semi-annual Reports. Semi-annual excess emission reports, in accordance with 40 CFR 60.7(a)(7)(c) (1998 version), shall be submitted to the DEP Northwest District Office. [Permit No. 0050014-002-AC]

B.29. Operational Records. To demonstrate compliance with the operational restriction on hours, the permittee shall maintain records of the hours of operation of each combustion turbine when operating in the four different modes (CTs: With Duct Burners, Steam Power Augmentation OpFlex Peak Enhancement, and Winter Peak). [Rule 62-4.070(3), F.A.C.; and, Permit No. 0050014-028-AC (PSD-FL-269B)]

B.30. Excess Emissions Report. If excess emissions occur for more than two hours due to malfunction, the owner or operator shall notify DEP Northwest District office within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Pursuant to the New Source Performance Standards, all excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A. Following this format, 40 CFR 60.7, periods of startup, shutdown, malfunction, shall be monitored, recorded, and reported as excess emissions when emission levels (in terms of applicable averaging periods) exceed the permitted standards listed in Specific Conditions **B.7** - **B.12.** [Rules 62-4.130, 62-204.800, 62-210.700(6), F.A.C.; 40 CFR 60.7 (1998 version); and, Permit No. 0050014-002-AC]

{Permitting Note: This condition does not relieve the permittee from complying with the more stringent requirements of Rules 62-4.130, 62-4.160 and 62-210.700(6), F.A.C., for "immediately" reporting excess emissions due to malfunctions (see condition RR2 of Appendix RR, Facility-wide Reporting Requirements).}

B.31. Actual Emissions Reporting. This permit is based on an analysis that compared baseline actual emissions with projected actual emissions and avoided the requirements of subsection 62-212.400(4) through (12), F.A.C. for several pollutants. Therefore, pursuant to Rule 62-212.300(1)(e), F.A.C., the permittee is subject to the following monitoring, reporting and recordkeeping provisions.

a. The permittee shall monitor the emissions of any PSD pollutant that the Department identifies could increase as a result of the construction or modification and that is emitted by any emissions unit that could be affected; and, using the most reliable information available, calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of 10-years following resumption of regular operations after the change. Emissions shall be computed in accordance with the provisions in Rule 62-210.370, F.A.C., which are provided in Appendix TR of this permit.
b. The permittee shall report to the Department within 60 days after the end of each calendar year during the 10-years period setting out the unit's annual emissions during the calendar year that preceded submission of the report. The report shall contain the following:
   (1) The name, address and telephone number of the owner or operator of the major stationary source;
   (2) The annual emissions calculations pursuant to the provisions of 62-210.370, F.A.C., which are provided in Appendix TR of this permit;
   (3) If the emissions differ from the preconstruction projection, an explanation as to why there is a difference; and
   (4) Any other information that the owner or operator wishes to include in the report.
c. The information required to be documented and maintained pursuant to subparagraphs 62-212.300(1)(e)1 and 2, F.A.C., shall be submitted to the Department, which shall make it available for review to the general public.
d. For this project, the permittee estimated the following potential emissions for Smith Unit 3 (EU 004 and EU 005): 257.3 tons/year of CO; 917.5 tons/year of NO_X; 13.6 tons/year of SO_2; 32.4 tons/year of VOC; and 102.9 tons/year of PM/PM_{10}.
e. The Department has identified CO as the only PSD-pollutants that could reasonably increase as a result of this modification. The permittee shall-perform Method 10 stack tests to determine and report the actual annual emissions of CO for the purpose of comparisons with the potential emissions.

(1) Heat input rates will vary depending upon gas turbine characteristics, ambient conditions, alternate methods of operation, and partial wet compression. Operating data may be adjusted for the appropriate site conditions in accordance with the performance curves and/or equations on file with the Department. [Rule 62-210.200(PTE), F.A.C.]

For this project, the permit requires the annual reporting of actual CO emissions for the following units: Smith Unit 3 (EU 004 and EU 005) Combined Cycle Combustion Turbine.
[Rules 62-212.300(1)(e) & 62-210.370, F.A.C.; and, Permit No. 0050014-031-AC]

Other Requirements

B.32. Federal Rule Requirements. In addition to the specific conditions listed above, this emissions unit is also subject to the applicable requirements contained in 40 CFR 60, Subpart KKKK - Standards of Performance for Stationary Combustion Turbines, included with permit as Appendix NSPS, Subpart KKKK. [Permit No. 0050014-031-AC]

Table of Contents

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

EU No.	Brief Description
012	Emergency Diesel Generator at CCCT
013	Emergency Diesel Sump Pump (Big Blue)
015	Fire Pump Engine
016	Two 49 HP Emergency Diesel Generators for Hurricane Shelter

This section is comprised of stationary compression ignition (CI) reciprocating internal combustion engines (RICE) that use only low-sulfur diesel fuel.

The following table provides important details for these emissions units:

ID No.	Engine Identification	Engine Brake HP	Date of Construction	Model Year	Engine Manufacturer	Model No.
012	Emergency Diesel Generator	550	2011	2009	Detroit Diesel	350RE OZDD
013	Emergency Diesel Sump Pump Engine (Big Blue)	153	2012	2010	John Deere	6068T
015	Fire Pump Engine	183	8/26/2021	2021	Clarke/John Deere	JU6H-UFAD58
016	Two 49 HP Emergency Diesel Generators for Hurricane Shelter	49	10/1/2022	2022	Generac	SD 030

Permitting Note: These emissions units are regulated under 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE adopted in Rule 62-204.800(11)(b), F.A.C., and 40 CFR 60, Subpart IIII, NSPS adopted in Rule 62-204.800(8)(b). This permit section addresses "new" stationary CI RICE, with a displacement less than 10 liters per cylinder, that are located at an area source of HAP. In accordance with provisions of 40 CFR 63.6590(c)(1), meeting the requirements of 40 CFR 60, Subpart IIII, satisfies compliance with the requirements of 40 CFR 63, Subpart ZZZZ.}

Essential Potential to Emit (PTE) Parameters

C.1. Allowable Fuel. These Stationary RICE must use diesel fuel that meets the following requirements for non-road diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted:

a. *Sulfur Content.* The sulfur content shall not exceed = 15 ppm = 0.0015% weight.

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

[40 CFR 60.4207(b) and 1090.305]

C.2. Hours of Operation.

a. *Emergency Situations*. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 60.4211(f)(1)]

b. *Maintenance and Testing*. Each RICE 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. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. [40 CFR 60.4211(f)(2)(i)]

c. *Non-emergency Situations*. These emergency RICE may be operated for up to 50 hours per calendar year in nonemergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph **b.**, above. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4211(f)(3)]

Emission Limitations

C.3. EU 012 & EU 015. Emissions from EU 012 & EU 015 (individually) shall not exceed the following:
a. *NMHC + NO_X Emissions*. Non-methane hydrocarbons plus nitrogen oxide emissions shall not exceed 4.0 g/KW-hr.
b. *CO Emissions*. Carbon monoxide emissions shall not exceed 3.5 g/KW-hr.
c. *PM emissions*. Particulate matter emissions shall not exceed 0.20 g/KW-hr.
[40 CFR 60.4205(b), 60.4202(a)(2) & 1039 Appendix I (Table 1)]

C.4. EU 013. Emissions from EU 013 shall not exceed the following:
a. *NMHC + NO_X Emissions*. Non-Methane Hydrocarbons and Nitrogen oxide emissions shall not exceed 4.0 g/KW-hr.
b. *CO Emissions*. Carbon monoxide emissions shall not exceed 5.0 g/KW-hr.
c. *PM emissions*. Particulate matter emissions shall not exceed 0.30 g/KW-hr.
[40 CFR 60.4205(b), 60.4202(a)(2) & 1039 Appendix I (Table 1)]

C.5. EU 016. Emissions from EU 016 shall not exceed the following:
a. *NMHC + NO_X Emissions*. NMHC and NOx emissions shall not exceed 7.5 g/KW-hr.
b. *CO Emissions*. Carbon monoxide emissions shall not exceed 5.5 g/KW-hr.
c. *PM emissions*. Particulate matter emissions shall not exceed 0.30 g/KW-hr.
[40 CFR 60.4205(b), 60.4202(a)(1) & Table 2]

Testing and Compliance Requirements

C.6. Operation and Maintenance. Except as permitted in Specific Condition **C.8.**, over the entire life of the engine, the owner or operator must:
a. Operate and maintain the stationary CI internal combustion engine according to the manufacturer's emission-related written instructions;
b. Change only those emission-related settings that are permitted by the manufacturer; and,
c. Meet the emissions limits in Specific Conditions **C.3. - C.4.**
[40 CFR 60.4206 and 40 CFR 60.4211(a)]

C.7. Compliance/Certification Requirements. You must comply with the emissions standards specified in Specific Conditions **C.3. - C.5.**, respectively, by having purchased an engine certified by the manufacturer to meet those limits. These engines must have been installed and configured according to the manufacturers' emission-related specifications, except as permitted in Specific Condition **C.8.** [40 CFR 60.4211(c) & (g)]

C.8. Failure to Follow Manufacturer's Emission-related Written Instructions. 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 demonstrate compliance as follows:
a. *EU 013*. 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)]

b. *EU 012 & 015.* 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)]

c. *EU 016*. You must keep a maintenance plan and records of conducted maintenance to demonstrate compliance 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, if you do not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action. [40 CFR 60.4211(g)(1)]

C.9. Testing Requirements. In the event performance tests are required pursuant to Specific Condition **C.8.**, 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 Emissions Units 012 and 013 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 **C.3.** and **C.4.**, respectively, determined from the following equation:

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

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

C.10. 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.]

Monitoring of Operations

C.11. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 60.4209(a)]

Recordkeeping and Reporting Requirements

C.12. Hours of Operation Records. Owner or operator must keep records of the operation of the engine in emergency and non-emergency services 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. [Rule 62-213.440(1), F.A.C.]

C.13. Maintenance Records. To demonstrate conformance with the manufacturer's emission-related written instructions for operation and maintenance and to document when compliance testing must be performed pursuant to Specific Condition **C.7.**, the owner or operator must keep the following records:

a. Engine manufacturer documentation and/or certification indicating compliance with the standards.
b. A copy of the manufacturer's written instructions for operation and maintenance of the engines.
c. A written maintenance log detailing the date and type of maintenance performed on the engines, as well as any deviations from the manufacturer's written instructions.

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

C.14. Testing Notification. At such time that the requirements of Specific Condition **C.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)]

C.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

C.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
§ 60.8	Performance tests (if required)
§ 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]

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Subsection D. Emissions Unit 017, Radio Tower Building Emergency Generator

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

EU No.	Brief Description
017	Radio Tower Building Emergency Generator

This section is comprised of stationary spark ignition (SI) reciprocating internal combustion engine (RICE) manufactured by Taylor Power that utilizes propane and displacement is 4.2 liters.

The following table provides important details for these emissions units:

Engine Identification	Engine HP (kW)	Date of Construction	Model Year	Engine Manufacturer	Displacement
Emergency Generator	53.64 HP (40 kW)	8/19/2024	2023	Taylor Power	4.2 L

{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subparts A (General Provisions) and JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines) adopted in Rule 62-204.800(8)(b). This emissions unit is also 40 CFR 63, Subparts A (General Provisions) and ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). adopted in Rule 62-204.800(11)(b), F.A.C. This permit section addresses "new" stationary CI RICE, with a displacement less than 10 liters per cylinder, that are located at an area source of HAP. In accordance with provisions of 40 CFR 63.6590(c)(1), meeting the requirements of 40 CFR 60, Subpart JJJJ satisfies compliance with the requirements of 40 CFR 63, Subpart ZZZZ.}

Essential Potential to Emit (PTE) Parameters

D.1. Authorized Fuel. These engines are fueled by LPG (propane). [Application No. 0050014-040-AV]

D.2. Restricted Hours of Operation.

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

b. *Maintenance and Testing*. Each 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*. Each 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. Except as provided by 40 CFR 60.4243(d)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[40 CFR 60.4243(d)]

Emission Limitations and Standards

D.3. NO_X + HC Emissions. Emissions of NO_X plus hydrocarbons (HC) shall not exceed 10 grams per horsepower-hour (g/HP-hour). [40 CFR 60.4233(d) & Table 1 to 40 CFR 60 Subpart JJJJ]

D.4. CO Emissions. Carbon monoxide (CO) emissions shall not exceed 387 g/HP-hour. [40 CFR 60.4233(d) & Table 1 to 40 CFR 60 Subpart JJJJ]

{Permitting Note: The above emission standards are equivalent to the following in terms of grams per kilowatt-hour (g/kW-hour): NO_X + HC, 13.4 g/kW-hour; and CO, 519 g/kW-hour.}

Monitoring Requirements

D.5. Hour Meter. You must operate and maintain non-resettable hour meters on these engines. [40 CFR 60.4237(c)]

Compliance Requirements

D.6. Compliance Requirements. Because these engines were certified to meet the emissions standards specified in Specific Conditions **D.3** and **D.4** at the time of purchase, you must demonstrate compliance according to the methods specified in paragraphs a and b of this specific condition.

a. *Certified Engine Operated According to Manufacturer*. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance. Link to 40 CFR 1068

b. *Certified Engine Not Operated According to Manufacturer*. If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance as follows: You must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required.

[40 CFR 60.4243]

Recordkeeping and Reporting Requirements

D.7. Hours of Operation Records. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter and must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 60.4245(b)]

D.8. Maintenance Records. To demonstrate conformance with the manufacturer's written instructions for maintaining the certified engine, the owner and operator must keep records of the following information:

a. *Notifications*. All notifications submitted to comply with40 CFR 60, Subpart JJJJ, as specified in this subsection of the permit, and all documentation supporting any notification.

b. *Manufacturer Data*. Engine manufacturer data indicating compliance with the standards.

c. *Manufacturer Instructions*. A copy of the manufacturer's written instructions for operation and maintenance of the certified engine.

d. *Maintenance Log*. Maintenance conducted on the engine. 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.

e. *Manufacturer Certification Documentation*. If the emissions unit is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.

f. *Documentation Showing Compliance with Standards*. If the SI ICE is not a certified engine or is a certified engine operating in a non-certified manner and subject to paragraph **b** of Specific Condition **D.6**, documentation that the engine meets the emission standards.

[Rule 62-213.440(1), F.A.C., and 40 CFR 60.4245(a)]

Importing/Installing Requirements

D.9. Importing/Installing. Owner/operator must not install any engine that does not comply with the emissions standards provided in Conditions **D.3**. And **D.4**. [40 CFR 60.4236 (c)]

D.10. 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.11. 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.

General provisions citation	Subject of citation	Explanation
§60.1	General applicability of the General Provisions	
§60.2	Definitions	Additional terms defined in §60.4248.
§60.3	Units and abbreviations	
§60.4	Address	
§60.5	Determination of construction or modification	
§60.6	Review of plans	
§60.7	Notification and Recordkeeping	Except that §60.7 only applies as specified in §60.4245.
§60.8	Performance tests	Except that §60.8 only applies to owners and operators who are subject to performance testing in subpart JJJJ.
§60.9	Availability of information	
§60.10	State Authority	
§60.11	Compliance with standards and maintenance requirements	Requirements are specified in subpart JJJJ.
§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 60.4246 & Table 3 to 40 CFR 60 Subpart JJJJ]

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SECTION IV. ACID RAIN PART.

Federal Acid Rain Provisions

Operated by: Florida Power and Light Company
ORIS Code: 641

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

EU No.	Brief Description
-004	Gas Combustion Turbines with HRSG and Duct Burners (Unit 3A)
-005	Gas Combustion Turbines with HRSG and Duct Burners (Unit 3B)

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 06/28/24, received 07/08/24.

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

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

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, 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 **P. L. Bartow**	State **FL**	ORIS Plant Code **634**

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
4A (EU038)		Yes		
4B (EU039)		Yes		
4C (EU040)		Yes		
4D (EU041)		Yes		

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STEP 3

Read the standard requirements.

LANSING SMITH ELECTRIC GENERATING PLANT

Plant Name (from STEP 1)

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,
(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.

Plant Name (from STEP 1)
LANSING SMITH ELECTRIC GENERATING PLANT

Recordkeeping and Reporting Requirements (cont)

(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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Plant Name (from STEP 1)
LANSING SMITH ELECTRIC GENERATING PLANT

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
Clinton Kiernan	6/28/24

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	Title
Christian Kiernan	Environmental Services Director
Owner Company Name: Florida Power & Light Company	
Phone: (561) 691-2781	Christian.Kiernan@fpl.com (E-mail address)
Signature: Clinton Kiernan	Date: 6/28/24

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