Florida Municipal Power Agency (FMPA)
Treasure Coast Energy Center

Facility ID No. 1110121
St. Lucie County

Title V Air Operation Permit Renewal

Permit No. 1110121-010-AV

(Renewal of Title V Air Operation Permit No. 1110121-009-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road

Mail Station #5505
Tallahassee, Florida 32399-2400

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

Compliance Authority:

State of Florida
Department of Environmental Protection
Southeast District

3301 Gun Club Road, MSC7210-1
West Palm Beach, FL 33406

Telephone: 561/681-6600
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Title V Air Operation Permit Renewal

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Appendix 40 CFR 60, Subpart KKKK, Standards of Performance for Stationary Combustion Turbines (version dated 02/05/2010).

Appendix 40 CFR 63, Subpart A, NESHAP General Provisions.
Appendix 40 CFR 63, Subpart ZZZZ "Generally Applicable Requirements," National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

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FLORIDA DEPARTMENT OF
Environmental Protection

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

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

PERMITTEE:
Florida Municipal Power Agency (FMPA)
4545 Energy Lane
Fort Pierce, Florida 34981

Permit No. 1110121-010-AV
Treasure Coast Energy Center
Facility ID No. 1110121
Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. This existing facility is in St. Lucie County at 4545 Energy Lane, Fort Pierce, Florida; UTM Coordinates are: Zone 17, 561.5161 km East and 3028.9963 km North. Latitude is: 27° 23' 04" North; and, Longitude is: 80° 22' 18" West.

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

Effective Date: October 29, 2018
Renewal Application Due Date: March 18, 2023
Expiration Date: October 29, 2023

David Lyle Read, P.E.
2018.10.29 10:23:10 -04'00'

For:

Syed Arif, P.E., Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

SA/dlr/sms

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

The Treasure Coast Energy Center is located southwest of the City of Fort Pierce, East of Highway 95, in St. Lucie County at 4545 Energy Lane, Fort Pierce, Florida, 34981.

The FMPA owns and the Fort Pierce Utility Authority operates on behalf of FMPA, the Treasure Coast Energy Center. This facility primarily consists of one combined-cycle combustion turbine, with a heat recovery steam generator (HRSG) with duct burners. The unit began operation in 2001. The 170 MW combustion turbine generator is equipped with evaporative inlet air cooling and has a 130 MW steam turbine electrical generator. The combustion turbine is authorized to combust natural gas as its primary fuel with No. 2 fuel oil as a back-up fuel. The duct burners of the HRSG are permitted to only combust natural gas. Nitrogen oxide (NO_X) emissions are controlled by dry-low NOx burners (DLN) while natural gas firing and a water injection system while oil firing. In addition, NO_X emissions are further controlled with selective catalytic reduction system. The facility also includes the following ancillary units: one 930,000-gallon distillate fuel oil storage tank, one 8-cell mechanical draft cooling tower, one emergency diesel-fired generator rated at 1,490 horsepower (HP) and one emergency diesel-fired fire pump engine rated at 290 HP. The facility also consists of miscellaneous insignificant and unregulated emission units and/or activities. Details of the project are provided in the application and the Statement of Basis. Details of the project are provided in the application and the Statement of Basis.

Subsection B. Summary of Emissions Units.

E.U. ID No.	Brief Description
Regulated Emissions Units	
	Combined-Cycle Combustion Turbine
001	170 MW Combined-Cycle CT with a HRSG - Unit 1
003	Cooling Tower
	Engine(s)
004	Emergency Generator (Safe Shutdown Generator) - 1,490 HP (EPA Tier 2 certified)
005	Fire Pump - 290 HP
Unregulated Emissions Units	
002	One (1) distillate fuel oil storage tank for Unit 1 Combustion Turbine (930,000 gallons)

Subsection C. Applicable Requirements.

Based on the Title V air operation permit renewal application received on May 18, 2018, this facility is not a major source of hazardous air pollutants (HAP). This facility is classified as a Prevention of Significant Deterioration (PSD) major facility. A summary of important applicable requirements is shown in the following table.

Applicable Requirement	E.U. ID No(s).
Simple-Cycle Combustion Turbines	
Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD)	001
Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT)	001
40 CFR 60, Subpart A, Standards of Performance for New Stationary Sources (NSPS) General Provisions	001

40 CFR 60 Subpart KKKK, Standards of Performance for Stationary Combustion Turbines	001
Acid Rain, Phase II SO_2	001
Engine(s)	
40 CFR 60, Subpart A, Standards of Performance for New Stationary Sources (NSPS) General Provisions	004 & 005
40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engine	004 & 005
40 CFR 63, Subpart A, General Provisions	004 & 005
40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)	004 & 005
Unregulated Emissions Units	
Rule 62-210.300, F.A.C., Permits Required	002

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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. [Rules 62-296.320(2) & 62-210.200 (Definitions), F.A.C.]

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

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

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

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:
a. The use of chemical or water application on unpaved roads;
b. Paving and maintaining roads, parking areas, and yards;
c. Landscaping or planting vegetation; and,
d. Confining abrasive blasting where possible.
[Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in the Title V air operation permit renewal application received on May 18, 2018.]

Reports and Fees

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

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

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

{Permitting notes:

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

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

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

FW7. Annual Operating Report. The permittee shall also keep records sufficient to determine the annual throughput of distillate fuel oil for the fuel oil storage tank for use in the Annual Operating Report. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.33.]

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 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.) [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

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

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://www2.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.]

FW10. Semi-Annual Monitoring 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 Authority. 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 (40 CFR 60) or NESHAP (40 CFR 61 & 40 CFR 63) 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 Rule 62-213.420(4), F.A.C. (See also Conditions RR2. - RR4. of Appendix RR, Facility-wide Reporting Requirements, for additional reporting requirements related to deviations.) [Rule 62-213.440(1)(b)3.a., F.A.C.; and, 40 CFR 60.19, 40 CFR 61.10 & 40 CFR 63.10.]

{Permitting Note: The U.S. 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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SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emission Unit 001
170 MW Combined-Cycle CT with a HRSG - Unit 1

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

E.U. ID No.	Brief Description
001	170 MW Combined-Cycle Combustion Turbine (CT) with a Heat Recovery Steam Generator (HRSG) - Unit 1

Emissions Unit Identification Number (E.U. ID No.) 001 consists of a duel-fuel combined cycle General Electric PG7241FA combustion turbine, equipped with evaporative inlet air cooling, with a nominal generator rating of 170 MW, a heat recovery steam generator (HRSG), and a steam turbine-electrical generator with a nominal generator rating of 130 MW. The combined cycle unit has a total nominal generation rating of approximately 300 MW, with the combustion turbine and steam generator combined.

The combustion turbine has a permitted maximum heat input rating of 1,900 million British thermal units per hour (MMBtu/hr) while firing natural gas, and 1,986 MMBtu/hr while firing distillate fuel oil (based on a compressor inlet air temperature of 59 degrees F, the higher heating value (HHV) of each fuel, and 100% load). Nitrogen oxides (NOx) emissions are controlled with dry low NOx (DLN) burners for natural gas firing and wet injection for fuel oil firing. When in combined cycle mode, NOx emissions are also controlled by a selective catalytic reduction (SCR) system. The advanced burner design reduces incomplete combustion and minimizes carbon monoxide (CO), particulate matter (PM/PM_{10}) and volatile organic compound (VOC) emissions. The use of inherently clean fuels and good operating practices also reduces air pollutant emissions. E.U. ID No. 001 incorporates a gas-fired HRSG with a permitted maximum heat input rating of 565.3 MMBtu/hr (based on the HHV of natural gas). The shared combustion turbine/HRSG stack is equipped with a continuous emissions monitoring system (CEMS) to measure and record NOx and CO emissions as well as fuel gas oxygen content.

E.U. ID No. 001 commenced construction on August 1, 2006 and began commercial operation on February 12, 2008.

Stack parameters for the unit are: height, 170 feet; diameter, 18 feet; exit temperature, 170 degrees F; and, actual stack gas flow rate, 958,300 acfm, based off of design conditions at 73 degrees F and 100% load with evaporative cooling and duct firing, as referenced in the original air construction permit application.

{Permitting Notes: This emissions unit is regulated under Acid Rain, Phase II; 40 CFR 60, Subpart KKKK, Standards of Performance for Stationary Gas Turbines, adopted and incorporated by reference in Rule 62-204.800(8), F.A.C.; Rule 62-212.400, F.A.C., Prevention of Significant Determination (PSD) [PSD-FL-353, and revisions]; and, Rule 62-212.400, F.A.C., Best Available Control Technology (BACT) Determination, dated May 19, 2006.}

Equipment

A.1. Gas Turbine. The permittee is authorized to tune, operate, and maintain one General Electric Model PG7241FA gas turbine-electrical generator set with a nominal generating capacity of 170 MW. The gas turbine is equipped with DLN combustors, and has an inlet air filtration system with evaporative coolers. The unit includes an automated gas turbine control system, and has dual-fuel capability. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.3.]

A.2. HRSG. The permittee is authorized to operate and maintain one heat recovery steam generator (HRSG) with a HRSG exhaust stack. The HRSG is designed to recover heat energy from the gas turbine and deliver steam to the steam turbine electrical generator. The HRSG is equipped with supplemental gas-fired duct burners having a maximum heat input rate of 565.3 MMBtu per hour (HHV). The duct burners are designed in accordance with the following specifications: 0.04 lb CO/MMBtu and 0.08 lb NOx/MMBtu. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.4.]

*{Permitting Note: Compliance with the limits in **Specific Condition A.12.** confirms compliance with these limits.}*

Essential Potential to Emit (PTE) Parameters

A.3. Permitted Capacity - Gas Turbine. The maximum heat input rate to the gas turbine is 1,900 MMBtu per hour when firing natural gas and 1,986 MMBtu per hour when firing distillate fuel oil (based on a compressor inlet air temperature of 59° F, the higher heating value (HHV) of each fuel, and 100% load). Heat input rates will vary depending upon gas turbine characteristics, ambient conditions, alternate methods of operation, and evaporative cooling. 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 (Definitions - Potential to Emit (PTE)), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.8.]

A.4. Permitted Capacity - HRSG Duct Burners. The total maximum heat input rate to the duct burners for the HRSG is 565.3 MMBtu per hour based on the higher heating value (HHV) of natural gas. Only natural gas shall be fired in the duct burners. [Rule 62-210.200 (Definitions - PTE), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.9.]

A.5. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

A.6. Hours of Operation. The gas turbine is permitted to operate continuously (e.g., 8,760 hours/year). Restrictions on individual methods of operation are specified in separate conditions. [Rules 62-210.200 (Definitions - PTE), 62-212.400 (BACT), F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.10.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 2.]

A.7. Methods of Operation - Authorized Fuels. The gas turbine shall fire natural gas as the primary fuel, which shall contain no more than 2.0 grains of sulfur per 100 standard cubic feet of natural gas. As a restricted alternate fuel, the gas turbine may fire ultra-low sulfur distillate fuel oil containing no more than 0.0015% sulfur by weight. The gas turbine shall fire no more than 500 hours of fuel oil, regardless of mode, during any calendar year. [Rules 62-210.200 (Definitions - PTE), 213.410 and 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.11.]

A.8. Methods of Operation. Subject to the restrictions and requirements of this permit, the gas turbine may operate under the following methods of operation.

a. *Combined Cycle Operation*: The gas turbine/HRSG system may operate to produce direct, shaft-driven electrical power and steam-generated electrical power from the steam turbine-electrical generator as a combined cycle unit subject to the restrictions of this permit. In accordance with the specifications of the SCR and HRSG manufacturers, the SCR system shall be on line and functioning properly during combined cycle operation or when the HRSG is producing steam.

b. *Pseudo Simple Cycle Operation*: The gas turbine/HRSG system may operate in a pseudo simple cycle mode where steam from the HRSG bypasses the steam turbine electrical generator and is dumped directly to the condenser. This is not considered a separate mode of operation with respect to emission limits (i.e. emission limits of combined cycle operation still apply).

c. *Inlet Fogging*: In accordance with the manufacturer's recommendations and appropriate ambient conditions, the evaporative cooling system may be operated to reduce the compressor inlet air temperature and provide additional direct, shaft-driven electrical power. This method of operation is commonly referred to as "fogging."

d. *Duct Firing*: The HRSG system may fire natural gas in the duct burners to provide additional steam-generated electrical power.

[Rules 62-210.200 (Definitions - PTE), 213.410 and 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.12.]

Operational Requirements and Control Technology

A.9. Dry Low NOx (DLN) Combustion. The permittee shall operate and maintain the General Electric DLN 2.6 (or better) combustion system to control NOx emissions from the gas turbine when firing natural gas. The

system shall be maintained and tuned in accordance with the manufacturer's recommendations. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.5.]

A.10. Water Injection. The permittee shall operate and maintain a water injection system to reduce NOx emissions from the gas turbine when firing distillate fuel oil. The system shall be maintained and tuned in accordance with the manufacturer's recommendations. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.6.]

A.11. Selective Catalytic Reduction (SCR) System. The permittee shall tune, operate, and maintain an SCR system to control NOx emissions from the gas turbine when firing either natural gas or distillate fuel oil. The SCR system consists of an ammonia (NH_3) injection grid, catalyst, ammonia storage, monitoring and control system, electrical, piping and other ancillary equipment. The SCR system shall be designed, constructed and operated to achieve the permitted levels for NOx and NH_3 emissions.
Ammonia Storage: In accordance with 40 CFR 68.130, the storage of ammonia shall comply with all applicable requirements of the Chemical Accident Prevention Provisions in 40 CFR 68.
[Rules 62-4.160(2) (Design) and 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.7.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time(s) for **Specific Condition(s) A.12.** are based on the specified averaging time of the applicable test method.

A.12. Emission Standards. Emissions from the turbine/HRSG system shall not exceed the following standards.

Air Pollutant	Fuel	Method of Operation	Stack Test, 3-Run Average		CEMS Average
			ppmvd @ 15% O_2	lb/hr [f]	ppmvd @ 15% O_2
CO [a]	Oil	Combustion Turbine (CT) (w/o Duct Burner)	8.0	37.8	8.0, 24-hr block
		CT & Duct Burner (DB)	8.0	47.3	
	Gas	CT, (w/o DB)	4.1	17.2	
		CT & (DB)	7.6	40.1	
	Oil/Gas	All Modes	NA	NA	6.0, 12-month rolling
NOx [b]	Oil	CT (w/o DB)	8.0	62.0	8.0, 24-hr block 42, 30-day rolling
		CT & DB	8.0	78.0	
	Gas	CT, (w/o DB)	2.0	13.9	2.0, 24-hr block 15, 30-day rolling[g]
		CT & DB	2.0	17.7	
Particulate Matter [c] (PM/PM_{10})	Oil/Gas	All Modes	0.0015% sulfur fuel oil, 2 gr S/100 SCF of gas		
			Visible emissions shall not exceed 10% opacity for each 6-minute block average.		
Sulfuric Acid Mist/Sulfur Dioxide [d] (SAM/SO_2)	Oil/Gas	All Modes	0.0015% sulfur fuel oil, 2 gr S/100 SCF of gas		
Ammonia [e]	Oil/Gas	CT, All Modes	5.0	NA	NA

a. Continuous compliance with the 24-hour and 12-month CO standards shall be demonstrated based on data collected by the required CEMS. The initial and annual EPA Method 10 tests associated with the certification and quality assurance of the CEMS instruments may also be used to demonstrate compliance with the individual standards for natural gas, fuel oil, and basic duct burner mode.
b. Continuous compliance with the 24-hr NOx standards shall be demonstrated based on data collected by the required CEMS. The initial and annual EPA Method 7E or Method 20 tests associated with demonstration of compliance with 40 CFR 60, Subpart KKKK or certification and quality assurance of the CEMS instruments may also be used to demonstrate compliance with the individual standards for normal natural gas, fuel oil, and duct burner modes during the time of those tests. NOx mass emission rates are defined as oxides of nitrogen expressed as NO_2.
c. The fuel sulfur specifications, combined with the efficient combustion design and operation of the gas turbine represents BACT for PM/PM_{10} emissions. Compliance with the fuel specifications, CO standards, and visible emissions standards shall serve as indicators of good combustion. Compliance with the fuel specifications shall be determined by the requirements in **Specific Condition A.30.** Compliance with the visible emissions standard shall be demonstrated by conducting tests in accordance with EPA Method 9.
d. The fuel sulfur specifications effectively limit the potential emissions of SAM and SO_2 from the gas turbine and represent BACT for these pollutants. Compliance with the fuel sulfur specifications shall be determined by the requirements in **Specific Condition A.30**.
e. The SCR system shall be designed and operated for an ammonia slip limit of no more than 5 parts per million by volume dry (ppmvd) corrected to 15% oxygen (O_2) based on the average of three test runs.
f. The mass emission rate standards are based on a turbine inlet condition of 59° F, evaporative cooling on, and using the HHV of the fuel. Mass emission rate may be adjusted from actual test conditions in accordance with the performance curves and/or equations on file with the Department.
g. Compliance with the NSPS 40 CFR 60, Subpart KKKK NOx emission limits are based on a 30-operational day rolling average as described in 40 CFR 60.4380(b)(1). Compliance with the BACT NOx emission limits are based on a 24-hr block average.

[Rule 62-212.400 (BACT), F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.13; Permit No. 1110121-003-AC/PSD-FL-353A, Specific Condition 4.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 3.]

Excess Emissions

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

*{Permitting Note: **Specific Conditions A.13. - A.17.** apply only to the State Implementation Plan (SIP)-based emissions standards specified in **Specific Condition A.12.**}*

A.13. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown, fuel switching, load change, and documented malfunctions shall be permitted, provided that operators employ the best operational practices to minimize the amount and duration of emissions during such incidents. For the gas turbine/HRSG system, excess emissions resulting from startup, shutdown, fuel switching, load change, or documented malfunctions shall not exceed the following specified time periods in a 24-hour block.

a. *Steam Turbine Generator/Heat Recovery Steam Generator (STG/HRSG) System Cold Startup:* For cold startup of the steam turbine/HRSG system, excess emissions from the gas turbine/HRSG system shall not exceed six hours (360 minutes) in a 24-hour block. A "cold startup of the steam turbine/HRSG system" is defined as startup of the combined cycle system following a shutdown of the steam turbine lasting at least 48 hours.

   {Permitting Note: During a cold startup of the steam turbine system, the gas turbine/HRSG system is brought on line at low load to gradually increase the temperature of the steam-electrical turbine and prevent thermal metal fatigue}

b. *Steam Turbine/HRSG System Warm Startup:* For warm startup of the steam turbine/HRSG system, excess emissions shall not exceed four hours (240 minutes) in a 24-hour block. A "warm startup of the steam turbine/HRSG system" is defined as a startup of the combined cycle system following a shutdown of the steam turbine lasting at least 8 hours and less than 48 hours.
c. *Steam Turbine Generator (STG)/HRSG System Hot Startup:* For hot startup of the STG/HRSG system, excess emissions shall not exceed two hours (120 minutes) in a 24-hour block. A "hot startup of the STG/HRSG system" is defined as a startup of the combined cycle system following a shutdown of the steam turbine lasting less than 8 hours.
d. *Shutdown:* For shutdown of the combined cycle operation, excess emissions from the gas turbine/HRSG system shall not exceed three hours (180 minutes) in a 24-hour block.
e. *Fuel Switching:* Excess emissions due to oil-to-gas and gas-to-oil fuel switching shall not exceed two hours (120 minutes) each, respectively, in a 24-hour block.
f. *Documented Malfunction:* For the combustion turbine generator (CTG)/HRSG system, excess emissions resulting from documented malfunctions shall not exceed two hours (120 minutes) in a 24-hour block. A "documented malfunction" means a malfunction that is documented within one working day of detection by contacting the Compliance Authority by telephone, facsimile transmittal, or electronic mail.
g. *Load Change:* Excess emissions due to load change shall not exceed two hours (120 minutes) in a 24-hour block.

[Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.18.; Permit No. 1110121-006-AC/PSD-FL-353C, Specific Condition A.18.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 5.]

{Permitting Note: These are considered separate events, and each event may occur independently within any 24-hour period ("any 24-hour period" means a calendar day, midnight to midnight).}

A.14. Excess Emissions Prohibited. Excess emissions 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 malfunction shall be prohibited. All such preventable emissions shall be included in any compliance determinations based on CEMS data. [Rule 62-210.700(4), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.16.]

A.15. Operating Procedures. The Best Available Control Technology (BACT) determinations established by this permit rely on "good operating practices" to maintain compliance with permit limits. Therefore, all operators and supervisors shall be properly trained to operate and ensure maintenance of the gas turbine, HRSG, and pollution control systems in accordance with the guidelines and procedures established by each manufacturer. The training shall include good operating practices as well as methods for minimizing excess emissions. [Rules 62-4.070(1)&(3) and 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.14.]

A.16. Definitions.
a. *Startup* is defined as the commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions. [Rule 62-210.200, F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.15.]
b. *Shutdown* is the cessation of the operation of an emissions unit for any purpose. [Rule 62-210.200, F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.15.]
c. *Malfunction* is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner. [Rule 62-210.200, F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.15.]

A.17. Alternate Visible Emissions Standard. Visible emissions due to startups, shutdowns, and malfunctions shall not exceed 10% opacity except for up to ten, 6-minute averaging periods during a calendar day, which shall not exceed 20% opacity. [Rule 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.17.]

A.18. Ammonia Injection. Ammonia injection shall begin as soon as operation of the gas turbine/HRSG system achieves the operating parameters specified by the manufacturer. As authorized by Rule 62-210.700(5), F.A.C., **Specific Conditions A.13. and A.19.** allow excess emissions only for specifically defined periods of startup, shutdown, fuel switching, tuning, load change, full speed no load testing, compressor blade drying, and documented malfunction of the gas turbine/HRSG system including the pollution control equipment. [Rules 62-4.160(2) (Design), 62-212.400 (BACT), and 62-210.700, F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.19.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 2.]

Continuous Monitoring Requirements

{Permitting note: The following continuous monitors are installed on this unit: CO, NOx and O_2.}

A.19. CEMS Data Exclusion - Limited Use Operations. CEMS data collected during any of the following limited use operational periods may be excluded from the compliance averages.

(a) *Tuning.* CEMS data collected during initial or other major DLN, ammonia injection grid (AIG), or water injection system tuning sessions may be excluded from the CEMS compliance demonstration provided the tuning session is performed in accordance with the manufacturer's specifications. A "major tuning session" would occur after completion of initial construction, a combustor change-out, a major repair or maintenance to a combustor, or circumstances as identified or requested by the equipment vendor. Prior to performing any major tuning session, where the intent is to exclude data from the CEMS compliance demonstration**,** the permittee shall provide the Compliance Authority with an advance notice of at least one working (business) day that details the activity and proposed tuning schedule. The notice may be by telephone, facsimile transmittal, or electronic mail.

(b) *Compressor Blade Drying.* Following a compressor blade wash in accordance with the manufacturer's recommendations (or industry standards), the permittee may operate a gas turbine at very low loads to heat and dry the compressor blades.
{*Permitting Note: A gas turbine would typically operate at approximately 10% of base load or less to perform compressor blade drying.}*

(c) *Full Speed No Load Testing.* As a periodic maintenance practice, the permittee may perform full speed no load tests in accordance with the manufacturer's recommendations (or industry standards).
{Permitting Note: An example of full speed no load testing includes, but is not limited to, checking the synchronizing instrumentation to assure safe and reliable connection to the electrical grid.}

[Rules 62-4.160(2) (Design) and Rule 62-4.070(3), F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.20.; Permit No. 1110121-006-AC/PSD-FL-353C, Specific Condition A.20.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 5.]

*{Permitting Note: Limited use operations as specified in Specific Condition **A.20.** are only excluded from BACT compliance averages and do not apply to averages used to determine compliance with NSPS Subpart KKKK.}*

A.20. CEMS. The permittee shall calibrate, maintain, and operate continuous emission monitoring systems (CEMS) to measure and record the emissions of CO and NOx from the combined cycle gas turbine in a manner sufficient to demonstrate continuous compliance with the CEMS emission standards of this section. Each monitoring system shall be installed, calibrated, and properly functioning prior to the initial performance tests. Within one working day of discovering emissions in excess of a CO or NOx standard (and subject to the specified averaging period), the permittee shall notify the Compliance Authority.

a. *CO Monitor:* The CO monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4 or 4A. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F, and the Data Assessment Report of Section 7 shall be made each calendar quarter, and reported semiannually to the Compliance Authority. The Relative Accuracy Test Audits (RATA) tests required for the CO monitor shall be performed using EPA Method 10 in Appendix A of 40 CFR 60 and shall be based on a continuous sampling train. The CO monitor span values shall be set appropriately,

considering the allowable methods of operation and corresponding emission standards.

b. *NOx Monitor:* Each NOx monitor shall be certified, operated, and maintained in accordance with the requirements of 40 CFR 75. Record keeping and reporting shall be conducted pursuant to Subparts F and G in 40 CFR 75. The RATA tests required for the NOx monitor shall be performed using EPA Method 20 or 7E in Appendix A of 40 CFR 60.

c. *Diluent Monitor:* The oxygen (O_2) or carbon dioxide (CO_2) content of the flue gas shall be monitored at the location where CO and NOx are monitored to correct the measured emissions rates to 15% oxygen. If a CO_2 monitor is installed, the oxygen content of the flue gas shall be calculated using F-factors that are appropriate for the fuel fired. Each monitor shall comply with the performance and quality assurance requirements of 40 CFR 75.

[Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.25.]

A.21. <u>CEMS Data Requirements (for BACT limits only)</u>.

a. *Data Collection*: Emissions shall be monitored and recorded at all times including startup, operation, shutdown, and malfunction except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. The CEMS shall be designed and operated to sample, analyze, and record data evenly spaced over an hour. If the CEMS measures concentration on a wet basis, the CEM system shall include provisions to determine the moisture content of the exhaust gas and an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Alternatively, the owner or operator may develop through manual stack test measurements a curve of moisture contents in the exhaust gas versus load for each allowable fuel, and use these typical values in an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Final results of the CEMS shall be expressed as ppmvd corrected to 15% oxygen. The CEMS shall be used to demonstrate compliance with the CEMS emission standards for CO and NOx as specified in this permit. For purposes of determining compliance with the CEMS emissions standards of this permit, missing (or excluded) data shall not be substituted. Compliance with the emission standards of 40 CFR Part 60 Subpart KKKK is covered in Appendix NSPS, Subpart KKKK.

b. *Valid Hour*: Hourly average values shall begin at the top of each hour. Each hourly average value shall be computed using at least one data point in each fifteen-minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly value shall be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour). If less than two such data points are available, the hourly average value is not valid. An hour in which any oil is fired is attributed towards compliance with the permit standards for oil firing. The permittee shall use all valid measurements or data points collected during an hour to calculate the hourly average values.

c. *24-hour Block Averages*: A 24-hour block shall begin at midnight of each operating day and shall be calculated from 24 consecutive hourly average emission rate values. If a unit operates less than 24 hours during the block, the 24-hour block average shall be the average of all available valid hourly average emission rate values for the 24-hour block. For purposes of determining compliance with the 24-hour CEMS standards, the missing data substitution methodology of 40 CFR part 75, subpart D, shall not be utilized. Instead, the 24-hour block average shall be determined using the remaining hourly data in the 24-hour block. [Rule 62-212.400(BACT), F.A.C.]
{Permitting Note: There may be more than one 24-hour compliance demonstration required for CO and NOx emissions depending on the use of alternate methods of operation}

d. *12-month Rolling Averages:* Compliance with the long-term emission limit for CO shall be based on a 12-month rolling average. Each 12-month rolling average shall be the arithmetic average of all valid hourly averages collected during the current calendar month and the previous 11 calendar months.

e. *Data Exclusion:* Each CEMS shall monitor and record emissions during all operations including episodes of startup, shutdown, load change, full speed no load testing, compressor blade drying,, malfunction, fuel switches and tuning. Some of the CEMS emissions data recorded during these episodes may be excluded from the corresponding CEMS compliance demonstration subject to the provisions of Condition Nos. 14

and 20 of this section. All periods of data excluded shall be consecutive for each such episode and only data obtained during the described episodes (startup, shutdown, load change, full speed no load testing, compressor blade drying, malfunction, fuel switches, tuning) may be used for the appropriate exclusion periods. The permittee shall minimize the duration of data excluded for such episodes to the extent practicable. Data recorded during such episodes shall not be excluded if the episode was caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented. Best operational practices shall be used to minimize hourly emissions that occur during such episodes. Emissions of any quantity or duration that occur entirely or in part from poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented, shall be prohibited.

f. *Availability*: Monitor availability for the CEMS shall be 95% or greater in any calendar quarter. The semi-annual excess emissions report shall be used to demonstrate quarterly monitor availability. In the event 95% availability is not achieved, the permittee shall provide the Department with a report identifying the problems in achieving 95% availability and a plan of corrective actions that will be taken to achieve 95% availability. The permittee shall implement the reported corrective actions within the next calendar quarter. Failure to take corrective actions or continued failure to achieve the minimum monitor availability shall be violations of this permit, except as otherwise authorized by the Department's Compliance Authority.

[Rules 62-4.070(1)&(3) and 62-212.400 (BACT), F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.26.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Conditions 3. & 6.]

A.22. Ammonia Monitoring Requirements. In accordance with the manufacturer's specifications, the permittee shall calibrate, operate and maintain an ammonia flow meter to measure and record the ammonia injection rate to the SCR system. The permittee shall document and periodically update the general range of ammonia flow rates required to meet permitted emissions levels over the range of load conditions allowed by this permit by comparing NOx emissions recorded by the CEM system with ammonia flow rates recorded using the ammonia flow meter. During NOx monitor downtimes or malfunctions, the permittee shall operate at the ammonia flow rate and, as applicable for fuel oil firing, the water-to-fuel ratio that is consistent with the documented flow rate for the combustion turbine load condition. [Rules 62-4.070(1)&(3) and 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.27.]

Test Methods and Procedures

A.23. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

A.24. Test Methods. If required, tests shall be performed in accordance with the following reference methods:

Method(s)	Description of Method(s) and Comment(s)
EPA Methods 1- 4	Determination of Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content. Methods shall be performed as necessary to support other methods.
EPA Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources.
EPA Method 10	Determination of Carbon Monoxide Emissions from Stationary Sources.
EPA Method 20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines.
EPA Methods 18, 25 and/or 25A	Measurement of Volatile Organic Compounds Emissions.

Method(s)	Description of Method(s) and Comment(s)
EPA Method 7E	Determination of Nitrogen Oxide Emissions from Stationary Sources.
CTM-027	Procedure for Collection and Analysis of Ammonia in Stationary Sources. This is an EPA conditional test method. The minimum detection limit shall be 1 parts per million (ppm). Method CTM-027 is published on EPA's Technology Transfer Network Web Site at http://www.epa.gov/ttn/emc/ctm.html

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, F.A.C., 1110121-001-AC/PSD-FL-353, Specific Condition A.21.]

A.25. Compliance Tests Required - Annual. During each calendar year (January 1st to December 31st), the gas turbine shall be tested to demonstrate compliance with the emission standard for visible emissions. CO emissions recorded by the CEMS shall be reported for the visible emissions observation period. If the duct burner did not operate more than 400 hours during the calendar year, testing with the duct burner on is waived for this requirement. [Rules 62-4.070(1)&(3), 62-212.400 (BACT) and 62-297.310(8)(a), F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.23.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 4.]

{Permitting Note: Since compliance with the NOx and CO standards are demonstrated continuously using the CEMS, annual testing and testing prior to permit renewal for NOx and CO using Method 7E and/or Method 20 and Method 10 was waived by Permit No. 1110121-008-AC/PSD-FL-353D.}

A.26. Compliance Tests Prior To Renewal. Compliance tests shall be performed for ammonia slip once per permit term. NOx emissions recorded by the CEMS shall be reported for each ammonia slip test run. The tests shall occur once per permit term to demonstrate compliance with the emission limits in **Specific Condition A.12.** If the duct burner did not operate more than 400 hours during the calendar year, testing with the duct burner on is waived for this requirement. [Rules 62-210.300(2)(a) and 62-297.310(8)(b)1, F.A.C.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 4.]

A.27. Continuous Compliance. The permittee shall demonstrate continuous compliance with the 24-hour CO and NOx emissions standards based on data collected by the certified CEMS. Within 45 days of conducting any Relative Accuracy Test Assessments (RATA) on a CEMS, the permittee shall submit a report to the Compliance Authority summarizing results of the RATA. Compliance with the CO emission standards also serves as an indicator of efficient fuel combustion, which reduces emissions of particulate matter. [Rule 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.24.]

Recordkeeping and Reporting Requirements

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

A.28. Monitoring of Capacity. The permittee shall monitor and record the operating rate of the gas turbine and HRSG duct burner system on a daily average basis, considering the number of hours of operation during each day (including the times of startup, shutdown, tuning, load change, full speed no load testing, compressor blade drying, malfunction, and fuel switching). Such monitoring shall be made using a monitoring component of the CEM system required above, or by monitoring daily rates of consumption and heat content of each allowable fuel in accordance with the provisions of 40 CFR 75 Appendix D. [Rules 62-4.070(1)&(3) and 62-212.400 (BACT), F.A.C.; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.28.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 2.]

A.29. Monthly Operations Summary. By the fifth calendar day of each month, the permittee shall record the following for each fuel in a written or electronic log for the gas turbine for the previous month of operation: fuel consumption, hours of operation, hours of duct firing, and the updated 12-month rolling totals for each. Information recorded and stored as an electronic file shall be available for inspection and printing within at least three days of a request by the Department. The fuel consumption shall be monitored in accordance with the provisions of 40 CFR 75 Appendix D. [Rules 62-4.070(1)&(3) and 62-212.400 (BACT), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.29.]

A.30. Fuel Sulfur Records. The permittee shall demonstrate compliance with the fuel sulfur limits specified in this permit by maintaining the following records of the sulfur contents.

a. *Natural Gas:* Compliance with the fuel sulfur limit for natural gas shall be demonstrated by keeping reports obtained from the vendor indicating the average sulfur content of the natural gas being supplied from the pipeline for each month of operation. Methods for determining the sulfur content of the natural gas shall be ASTM methods D4084-82, D4468-85, D5504-01, D6228-98 and D6667-01, D3246-81 or more recent versions.

b. *Fuel Oil:* Compliance with the distillate fuel oil sulfur limit shall be demonstrated by sampling and analysis of the fuel by the permittee or vendor for sulfur. Sampling the fuel oil sulfur content shall be conducted in accordance with ASTM D4057-88, Standard Practice for Manual Sampling of Petroleum and Petroleum Products, and one of the following test methods for sulfur in petroleum products: ASTM methods D5453-00, D129-91, D1552-90, D2622-94, or D4294-90. More recent versions of these methods may be used. For each fuel delivery, the permittee shall maintain a permanent file of the certified fuel sulfur analysis from the fuel vendor, or from an analysis conducted by the permittee, in accordance with the above methods. At the request of a Compliance Authority, the permittee shall perform additional sampling and analysis for the fuel sulfur content.

The above methods shall be used to determine the fuel sulfur content in conjunction with the provisions of 40 CFR 75 Appendix D. [Rules 62-4.070(1)&(3) and 62-4.160(15), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.30.]

{Permitting Note: The oil sampling and analysis methods and procedures, including later or equivalent versions of the test methods, specified in 40 CFR 60.335 or 40 CFR 75 Appendix D may be used to comply with this requirement.}

A.31. Reporting Schedule. The following report shall be submitted to the Compliance Authority:

Report	Reporting Deadline(s)	Related Condition(s)
Malfunction Notification	Within 1 working day	**A.33.a.**
Excess Emissions from Malfunctions, if requested by the Compliance Authority	Every 3 months (quarter)	**A.33.a.**
SIP Excess Emissions and Monitoring System Performance	Every 6 months (semi-annual)	**A.33.b.**
NSPS Excess Emissions and Monitoring System Performance	Every 6 months (semi-annual), except when more frequent reporting is specifically required	**A.33.c. - A.35.**

[Rule 62-210.700(5), F.A.C.; 40 CFR 60, Subparts A & KKKK.]

A.32. Emissions Performance Test Reports. A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-

297.310(8)(c), F.A.C. and in Appendix SC of this permit. [Rule 62-297.310(8), F.A.C.; and, Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.31.]

A.33. Excess Emissions Reporting.

a. *Malfunction Notification:* If emissions in excess of a standard (subject to the specified averaging period) occur due to malfunction, the permittee shall notify the Compliance Authority 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.

b. *SIP Semiannual Report*: Within 30 days following the end of each calendar half, the permittee shall submit a report to the Compliance Authority summarizing periods of CO and NOx emissions in excess of the BACT permit standards following the NSPS format in 40 CFR 60.7(d), Subpart A (see Figure 1, attached). Periods of startup, shutdown, fuel switching, tuning, load change, full speed no load testing, compressor blade drying, and malfunction, shall be monitored, recorded and reported as excess emissions when emission levels exceed the standards specified in this permit. In addition, the report shall summarize the CEMS systems monitor availability for the previous calendar-half.

c. *NSPS Semi-Annual Excess Emissions Reports*: Within thirty (30) days following each calendar semi-annual period, the permittee shall submit a report on any periods of excess emissions above the applicable NSPS limit that occurred during the previous semi-annual period to the Compliance Authority.

[Rules 62-4.130, 62-204.800 & 62-210.700(6), F.A.C.; 40 CFR 60.7 & 60.4375; Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition A.32.; and, Permit No. 1110121-008-AC/PSD-FL-353D, Specific Condition 5. and Specific Condition 6.]

{Permitting Note: If there are no periods of excess emissions as defined in NSPS Subpart KKKK, a statement to that effect may be submitted with the SIP Semi-Annual Report to suffice for the NSPS Semi-Annual Report.}

NSPS 40 CFR 60, Requirements

A.34. NSPS Requirements - Subpart A. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:
40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting Requirements,
which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. This emissions unit shall comply with all applicable provisions of **Appendix 40 CFR 60 Subpart A** included with this permit. [Rule 62-204.800(8)(d), F.A.C.]

A.35. NSPS Requirements - Subpart KKKK. Except as otherwise provided in this permit, these emissions units shall comply with all applicable requirements of 40 CFR 60, Subpart KKKK, Standards of Performance for Stationary Combustion Turbines, which have been adopted by reference in Rule 62-204.800(8)(b), F.A.C. These emissions units shall comply with **Appendix 40 CFR 60 Subpart KKKK** included with this permit. [Rule 62-204.800(8)(b)81., F.A.C.]

{Permitting Note: The Department determines that compliance with the BACT emissions performance requirements also assures compliance with the New Source Performance Standards for Subpart KKKK. Some separate reporting and monitoring may be required by the individual subparts. [Permit Nos. 1110121-001-AC/PSD-FL-353 and 1110121-003-AC/PSD-FL-353A.]}

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Subsection B. Emission Unit 003
Cooling Tower

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

E.U. ID No.	Brief Description
003	Cooling Tower

The emissions unit addressed in this subsection is one (1) 8-cell mechanical draft cooling tower, with the following nominal design characteristics: 111,130 gallons per minutes (gpm) circulating water flow rate and 1,000,000 actual cubic feet per minute (acfm) air flow rate per cell. The cooling tower is equipped with drift eliminators, and is required to have a drift rate no more than 0.0005% of the circulating water flow.

The cooling tower cell is approximately 43 feet tall with a stack height of approximately 10 feet on top of the cooling tower. The stack diameter is approximately 32 feet. The cooling tower provides direct contact between the cooling water and air passing through the tower. Drift is created when small amounts of cooling water become entrained in the air stream. Drift eliminators are the air pollution control technology used to control PM/PM_{10} emissions caused by the cooling tower drift.

{Permitting Notes: This emissions unit is regulated under Rule 62-212.400, F.A.C., Prevention of Significant Determination (PSD) [PSD-FL-353, and revisions]; and, Rule 62-212.400, F.A.C., Best Available Control Technology (BACT) Determination, dated May 19, 2006.}

Essential Potential to Emit (PTE) Parameters

B.1. Hours of Operation. This emissions unit may operate continuously (e.g., 8760 hours/year). [Rule 62-210.200, (Definitions - Potential to Emit (PTE)), F.A.C.]

Equipment and Performance Requirements

B.2. Cooling Tower. The permittee is authorized to operate one 8-cell mechanical draft cooling tower with the following nominal design characteristics: a circulating water flow rate of 111,130 gpm; a design air flow rate of 1,000,000 acfm per cell; drift eliminators; and, a drift rate of no more than 0.0005 percent of the circulating water flow. [Rule 62-212.400(BACT); Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition C.1.]

{Permitting Note: This work practice standard was established as BACT for PM/PM_{10} emissions from the cooling tower. Based on this design criteria, potential emissions are expected to be less than 10 tons of PM per year and less than 2 tons of PM_{10} per year. Actual emissions are expected to be lower than these rates.}.

Test Methods and Procedures

B.3. 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. *{Permitting note: No mass testing is required, however, special compliance testing could be required.}* [Rule 62-297.310, F.A.C.]

Recordkeeping and Reporting Requirements

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

B.4. Reporting. PM and PM_{10} emissions from the cooling towers shall be reported in the AOR. [Rules 62-213.440(1) and 62-4.070(1)&(3), F.A.C.]

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Subsection C. Emission Unit 004
Emergency Generator (Safe Shutdown Generator)

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

E.U. ID No.	Brief Description	See Specific Conditions
004	Emergency Generator (Safe Shutdown Generator) - 1,490 HP (EPA Tier 2 certified)	**C.1. - C.19.**

This subsection of the permit is comprised of a compression ignition (CI) type engine which is an emergency generator. Air pollutant emissions from this engine are uncontrolled.

{Permitting Notes: This emergency compression ignition reciprocating internal combustion engine (CI RICE) is regulated under 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) and 40 CFR 60, Subpart IIII - Standards of performance for Stationary Compression Ignition Internal Combustion Engines, adopted in Rules 62.204.800(11)(b) & (8)(b), F.A.C., respectively.

The permittee identified numerous other non-road engines (portable) located at the facility; these engines are not regulated under 40 CFR 63, Subpart ZZZZ.

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.} Link to 40 CFR 60, Subpart IIII

This subsection includes unit-specific applicable requirements for engines which were customized from the entire 40 CFR 63, Subpart ZZZZ and/or 40 CFR 60, Subpart IIII.

This emissions unit is a safe shutdown emergency generator (1,490 HP) with an associated 1,000 gallon fuel oil storage tank. The engine was manufactured in 2007; has a displacement of 2.54 liters per cylinder; is classified as EPA Tier 2 certified; does not have oxidation catalyst, diesel particulate filter (DPF), or selective catalytic reduction (SCR) installed; and, does not have a continuous emissions monitoring system (CEMS) for any pollutants or a continuous parameter monitoring system (CPMS) installed. It is located at an area source of hazardous air pollutants (HAP). Historical use has been approximately 6 hours per year. The engine uses ultra-low sulfur diesel fuel.

The following table provides important details for this emissions unit:

E.U. ID No.	Engine Brake HP (BHP)	Date of Construction	Model Year	Type of Engine	Displacement liters/cylinder (l/c)	Manufacturer Model # Engine Serial #
004	1,490	2007	2007	Emergency Compression Ignition	2.54	Cummings® QST30-G5 -

{Permitting Note: This part of the permit subsection addresses a "new" stationary CI RICE greater than 750 HP, with a displacement of less than 10 liters per cylinder, that is located at an area source of HAP, that commenced construction after 07/11/2005, and has a post-2007 model year.}

Equipment Specifications

C.1. Safe Shutdown Generator. The permittee is authorized to operate and maintain one safe shutdown generator. The safe shutdown generator may operate when the transmission connection is lost and the plant shuts down, and during occasional testing to ensure operability. The safe shutdown generator shall only fire ultra low sulfur (ULS) fuel oil. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition D.1.]

Essential Potential to Emit (PTE) Parameters

C.2. Allowable Fuel. This engine 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 and Aromatic*. 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 80.510(b).]

C.3. Hours of Operation.

a. *Emergency Situations*. This unit shall not operate more than 200 hours per year for any purpose. Non-emergency use shall be limited to 100 hours per year as noted in b., below. The available time for emergency use shall be limited to the difference between 200 hours and the time used for non-emergency situations. [40 CFR 60.4211(f)(1) and Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition D.2.]
{Permitting Note: Emissions from the safe shutdown generator were included in the potential to emit for the air construction Permit No. 1110121-001-AC/PSD-FL-353.}

b. *Non-emergency Situations.* This emergency engine may be operated for any combination of the purposes specified in paragraphs (1) through (4) for a maximum of 100 hours per calendar year.

(1) *Maintenance and Testing.* This unit 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. [40 CFR 60.4211(f)(2)(i).]

(2) *Emergency Demand Response*. This engine may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3. [40 CFR 60.4211(f)(2)(ii).]

(3) *Voltage or Frequency Deviation*. This engine may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency. [40 CFR 60.4211(f)(2)(iii).]

(4) *Other Situations*. This engine may be operated for up to 50 hours per calendar year in non-emergency 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 this condition. The 50 hours per calendar 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 60.4211(f)(3).]

Emission Limitations and Operation Requirements

C.4. NMHC + NO_X Emissions. Non-Methane Hydrocarbons and nitrogen oxide emissions shall not exceed 6.4 g/KW-hr. *{Permitting Note: equivalent to: 15.7 lbs/hour.}* [40 CFR 60.4205(b), 60.4202(a)(2) & 89.112 Table 1.]

C.5. CO Emissions. Carbon monoxide emissions shall not exceed 3.5 g/KW-hr. *{Permitting Note: equivalent to: 8.6 lbs/hour.}* [40 CFR 60.4205(b), 60.4202(a)(2) & 89.112 Table 1.]

C.6. PM Emissions. Particulate matter emissions shall not exceed 0.2 g/KW-hr. *{Permitting Note: equivalent to: 0.49 lb/hour.}* [40 CFR 60.4205(b), 60.4202(a)(2) & 89.112 Table 1.]

Monitoring of Operations

C.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).]

Compliance Requirements

C.8. Operation and Maintenance. Except as provided in Specific Condition **C.9.b.**, the owner or operator must:

a. Operate and maintain the stationary CI internal combustion engine according to the manufacturer's written instructions. [40 CFR 60.4211(a).]
b. Change only those emissions-related settings that are permitted by the manufacturer. [40 CFR 60.4211(b).]
c. Operate and maintain this unit to achieve the emission standards specified in Specific Conditions **C.4. - C.6.** over the entire life of the engine. [40 CFR 60.4206 & 60.4211(a).]

C.9. Demonstration of Compliance. The owner or operator must demonstrate compliance according to one of the methods below:

a. *Retain Manufacturer's Certification*. Have purchased an engine certified to the emissions standards in Specific Conditions **C.4. - C.6.**, and operate and maintain the engine according to the manufacturer's emission-related written instructions. [40 CFR 60.4211(c).]
b. *Loss of Manufacturer's Certification.* If you do not operate and maintain your engine according to the manufacturer's emission-related written instructions, or you change emissions-related settings in a way not permitted by the manufacturer, then:
   (1) 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.
   (2) You must conduct an initial performance test to demonstrate compliance with the emission standards shown in Specific Conditions **C.4. - C.6.** within 1 year of startup, or within 1 year after the engine 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.
   (3) 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).]

Testing Requirements

C.10. Performance Tests. If performance tests are required pursuant to Specific Condition **C.9.b.**, then:

a. Performance tests must be conducted according to the in-use testing procedures in 40 CFR Part 1039, Subpart F. Link to Subpart F [40 CFR 4212(a).]
b. Exhaust emissions must not exceed the not to exceed (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard (STD - see Specific Conditions **C.4. - C.6.**) determined from the following equation: NTE requirement for each pollutant = (1.25) x (STD). [40 CFR 60.4205(e) & 4212(c).]

Recordkeeping and Reporting Requirements

C.11. Required 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).]

C.12. 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 **C.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.]

C.13. 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), F.A.C.]

THE FOLLOWING SPECIFIC CONDITIONS APPLY TO ALL GROUPS OF EMISSIONS UNITS

Operation and Maintenance Requirements

{Permitting note: TABLE E-1. SUMMARY OF MAINTENANCE REQUIREMENTS FOR ENGINES, summarizes maintenance requirements under 40 CFR 63, Subpart ZZZZ for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Test Methods and Procedures

C.14. Common Testing Requirements. Any tests, if required, shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

Recordkeeping and Reporting Requirements

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

NSPS 40 CFR 60, Subpart A & IIII Requirements

C.16. NSPS Requirements - Subpart A. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:

40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting Requirements,

which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. The applicable 40 CFR 60, Subpart A, General Provisions to which this emissions unit are subject to are found at 40 CFR 63.4218 and are included in **Appendix 40 CFR 60 Subpart A**. [Rule 62-204.800(8)(d), F.A.C.]

C.17. 40 CFR 60 Requirements - Subpart IIII [Generally Applicable Requirements]. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, which have been adopted by reference in Rule 62-204.800(8), F.A.C. This emissions unit shall comply with **Appendix 40 CFR 60 Subpart IIII "Generally Applicable Requirements,"** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 60, Subpart IIII. This appendix also contains useful

information like definitions (see 40 CFR 60.4219) that are specific to engines regulated under 40 CFR 60 Subpart IIII. [Rule 62-204.800(8), F.A.C.]

NESHAP 40 CFR 63, Subpart A & ZZZZ Requirements

C.18. 40 CFR 63 Requirements - Subpart A. These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. The applicable 40 CFR 63, Subpart A, General Provisions to which these emissions are subject to are found at 40 CFR 63.6665 and are included in **Appendix 40 CFR 63 Subpart A**. [Rule 62-204.800(11)(d)1., F.A.C.]

C.19. 40 CFR 63 Requirements - Subpart ZZZZ [Generally Applicable Requirements]. These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), which have been adopted by reference in Rule 62-204.800(11)(b), F.A.C. These emissions units shall comply with **Appendix 40 CFR 63 Subpart ZZZZ "Generally Applicable Requirements,"** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 63 Subpart ZZZZ. This appendix also contains useful information like provisions that are not delegated to state or local agencies (see 40 CFR 63.6670) and contains definitions (see 40 CFR 63.6675) that are specific to engines regulated under 40 CFR 63 Subpart ZZZZ. [Rule 62-204.800(11)(b), F.A.C.]

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Subsection D. Emission Unit 005
Fire Pump

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

E.U. ID No.	Brief Description	See Specific Conditions
005	Fire Pump - 290 HP	**D.1. - D.19.**

This subsection of the permit is comprised of a compression ignition (CI) type engine. Air pollutant emissions from this engine are uncontrolled.

{Permitting Notes: This emergency compression ignition reciprocating internal combustion engine (CI RICE) is regulated under 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) and 40 CFR 60, Subpart IIII - Standards of performance for Stationary Compression Ignition Internal Combustion Engines, adopted in Rules 62.204.800(11)(b) & (8)(b), F.A.C., respectively.

The permittee identified numerous other non-road engines (portable) located at the facility; these engines are not regulated under 40 CFR 63, Subpart ZZZZ.

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.} Link to 40 CFR 60, Subpart IIII

This subsection includes unit-specific applicable requirements for engines which were customized from the entire 40 CFR 63, Subpart ZZZZ and/or 40 CFR 60, Subpart IIII.

This emissions unit is a diesel engine fire pump (290 HP) with an associated 500 gallon fuel oil storage tank. The engine was manufactured in 2007 and has a displacement of 1.35 liters per cylinder. This fire pump engine meets National Fire Protection Agency (NFPA)-20 requirements.

This fire pump is not a high speed engine; does not have oxidation catalyst, diesel particulate filter (DPF), or selective catalytic reduction (SCR) installed; does not have a continuous emissions monitoring system (CEMS) for any pollutants or a continuous parameter monitoring system (CPMS) installed. It is located at an area source of hazardous air pollutants (HAP). Historical use has been approximately 2 hours per year. The engine uses ultra-low sulfur diesel fuel.

The following table provides important details for this emissions unit:

E.U. ID No.	Engine Brake HP (BHP)	Date of Construction	Model Year	Type of Engine	Displacement liters/cylinder (l/c)	Manufacturer Model # Engine Serial #
005	290	2007	2007	Emergency Compression Ignition	1.35	John Deer Co.® 6081HF001 -

{Permitting Note: This part of the permit subsection 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 an area 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.}

Equipment Specifications

D.1. Fire Pump. The permittee is authorized to operate and maintain one diesel engine driven fire pump (approximately 290 hp) with associated 500 gallon fuel oil storage tank. The diesel engine fire pump shall only fire ultra low sulfur (ULS) fuel oil. [Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition E.1.]

Subsection D. Emission Unit 005
Fire Pump

Essential Potential to Emit (PTE) Parameters

D.2. Authorized Fuel. This engine 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 and Aromatic*. 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 80.510(b).]

D.3. Restricted Hours of Operation.

a. *Emergency Situations*. This unit shall not operate more than 200 hours per year for any purpose. Non-emergency use shall be limited to 100 hours per year as noted in b., below. The available time for emergency use shall be limited to the difference between 200 hours and the time used for non-emergency situations.
{Permitting Note: Emissions from the fire pump were included in the potential to emit for the air construction permit Permit No. 1110121-001-AC/PSD-FL-353.}

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) and Permit No. 1110121-001-AC/PSD-FL-353, Specific Condition E.2.]

Emissions Standards

D.4. NO_X + NMHC Emissions. Emissions of NO_X plus non-methane hydrocarbons shall not exceed 10.5 grams per kilowatt hour (g/kW-hr) (7.8 grams per horsepower hour (g/HP-hr*)). {Permitting Note: equivalent to: 5.0 lbs/hour.}* [40 CFR 60.4205(c) & Table 4.]

D.5. CO Emissions. Carbon monoxide (CO) emissions shall not exceed 3.5 g/kW-hr (2.6 g/HP-hr). *{Permitting Note: equivalent to: 1.67 lbs/hour.}* [40 CFR 60.4205(c) & Table 4.]

D.6. PM Emissions. Particulate matter (PM) emissions shall not exceed 0.54 g/kW-hr 0.4 g/HP-hr). *{Permitting Note: equivalent to: 0.26 lb/hour.}* [40 CFR 60.4205(c) & Table 4.]

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.)]

Compliance Requirements

D.8. Operation and Maintenance. Except as provided in Specific Condition **D.9.b.**, the owner or operator must:

a. Operate and maintain the stationary CI internal combustion engine according to the manufacturer's written instructions. [40 CFR 60.4211(a).]

b. Change only those emissions-related settings that are permitted by the manufacturer. [40 CFR 60.4211(b).]

c. Operate and maintain this unit to achieve the emission standards specified in Specific Conditions **D.4. - D.6.** over the entire life of the engine. [40 CFR 60.4206 & 60.4211(a).]

D.9. Demonstration of Compliance. The owner or operator must demonstrate compliance according to one of the methods below:

a. *Retain Manufacturer's Certification*. Have purchased an engine certified to the emissions standards in Specific Conditions **D.4. - D.6.**, and operate and maintain the engine according to the manufacturer's emission-related written instructions. [40 CFR 60.4211(b).]
b. *Loss of Manufacturer's Certification.* If you do not operate and maintain your engine according to the manufacturer's emission-related written instructions, or you change emissions-related settings in a way not permitted by the manufacturer, then:
   (1) 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.
   (2) You must conduct an initial performance test to demonstrate compliance with the emission standards shown in Specific Conditions **D.4. - D.6.** within 1 year of startup, or within 1 year after the engine 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).]

Testing Requirements

D.10. Testing Requirements. In the event performance tests are required pursuant to Specific Condition **D.9.b.**, 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)]

Records and Reports

D.11. 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)]

D.12. 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.; and, 40 CFR 60.4211(c) & (g).]

D.13. 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)]

THE FOLLOWING SPECIFIC CONDITIONS APPLY TO ALL GROUPS OF EMISSIONS UNITS

Operation and Maintenance Requirements

{Permitting note: TABLE E-1. SUMMARY OF MAINTENANCE REQUIREMENTS FOR ENGINES, summarizes maintenance requirements under 40 CFR 63, Subpart ZZZZ for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Test Methods and Procedures

D.14. Common Testing Requirements. Any tests, if required, shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

Recordkeeping and Reporting Requirements

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

NSPS 40 CFR 60, Subpart A & IIII Requirements

D.16. NSPS Requirements - Subpart A. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:

40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting Requirements,

which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. The applicable 40 CFR 60, Subpart A, General Provisions to which this emissions unit are subject to are found at 40 CFR 63.4218 and are included in **Appendix 40 CFR 60 Subpart A**. [Rule 62-204.800(8)(d), F.A.C.]

D.17. 40 CFR 60 Requirements - Subpart IIII [Generally Applicable Requirements]. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, which have been adopted by reference in Rule 62-204.800(8), F.A.C. This emissions unit shall comply with **Appendix 40 CFR 60 Subpart IIII "Generally Applicable Requirements,"** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 60, Subpart IIII. This appendix also contains useful information like definitions (see 40 CFR 60.4219) that are specific to engines regulated under 40 CFR 60 Subpart IIII. [Rule 62-204.800(8), F.A.C.]

NESHAP 40 CFR 63, Subpart A & ZZZZ Requirements

D.18. 40 CFR 63 Requirements - Subpart A. These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. The applicable 40 CFR 63, Subpart A, General Provisions to which these emissions are subject to are found at 40 CFR 63.6665 and are included in **Appendix 40 CFR 63 Subpart A**. [Rule 62-204.800(11)(d)1., F.A.C.]

D.19. 40 CFR 63 Requirements - Subpart ZZZZ [Generally Applicable Requirements]. These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), which have been adopted by reference in Rule 62-204.800(11)(b), F.A.C. These emissions units shall comply with **Appendix 40 CFR 63 Subpart ZZZZ "Generally Applicable Requirements,"** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 63 Subpart ZZZZ. This appendix also contains useful information like provisions that are not delegated to state or local agencies (see 40 CFR 63.6670) and contains definitions (see 40 CFR 63.6675) that are specific to engines regulated under 40 CFR 63 Subpart ZZZZ. [Rule 62-204.800(11)(b), F.A.C.]

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SECTION IV. ACID RAIN PART.

Federal Acid Rain Provisions

Operated by: Florida Municipal Power Agency (FMPA)
Plant Name: Treasure Coast Energy Center
ORIS Code: 56400

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

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

E.U. ID No.	Brief Description
001	170 MW Combined-Cycle Combustion Turbine (CT) with a Heat Recovery Steam Generator (HRSG) - Unit 1

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

a. DEP Form No. 62-210.900(1)(a) - Form, Effective: 3/16/08, received on May 18, 2018, and signed by the Designated Representative on December 14, 2017, which is included at the end of this subsection.

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

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

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.

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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: **Treasure Coast Energy Center**	State: **FL**	**56400** 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
1	No	Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		

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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,

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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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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."

STEP 7

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

Signature	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: **Edward S. Leongomez**	Title: **Plant Manager**
Owner Company Name: **Florida Municipal Power Agency**	
Phone: **772-429-8141**	E-mail address: **eleongomez@fpua.com**
Signature	Date 12/14/2017

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