City of Gainesville, Gainesville Regional Utilities (GRU)

J.R. Kelly Generating Station

Facility ID No. 0010005
Alachua County

Title V Air Operation Permit Renewal

**Permit No. 0010005-009-AV**

(Renewal of Title V Air Operation Permit No. 0010005-008-AV)

**Permitting Authority:**

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

Permit No. 0010005-009-AV

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**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**
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**PERMITTEE:**
City of Gainesville, Gainesville Regional Utilities (GRU)

Permit No. 0010005-009-AV
J.R. Kelly Generating Station
Facility ID No. 0010005
Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. This existing facility is located in Alachua County at 605 SE 3rd Street, Gainesville, Florida; UTM Coordinates are: Zone 17, 372.00 km East and 3280.20 km North; Latitude: 29° 38' 48" North and Longitude: 82° 19' 19" West.

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

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

For the Division of Air Resource Management

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

JFK/sa/sms

**Subsection A. Facility Description.**

This existing facility consists primarily of a combined-cycle unit ("Combined-Cycle Unit No. 1") consisting of a combustion turbine and a heat recovery steam generator. Also included in this permit are miscellaneous insignificant emissions units and/or activities.

The 'regulated' Fossil Fuel Fired Steam Generator Unit No. 7 and the 'unregulated' Simple-Cycle Combustion Turbine (CT) Unit Nos. 1, 2 and 3 are planned to be retired effective September 30, 2013. The boiler number 8 ("JRK8") had been permanently retired on September 2, 2000.

**Subsection B. Summary of Emissions Units.**

| E.U. ID No. | Brief Description |
|---|---|
| *Regulated Emissions Units* | |
| 010 | Combined-Cycle Unit No. 1 (CC-1) |
| | |
| | Engine(s) |
| 011 | Emergency Generator No. 1 - 189 HP |
| 012 | Emergency Generator No. 1 - 195 HP |
| | |
| *Unregulated Emissions Units and/or Activities* | |
| | {none at this time} |
| | |

**Subsection C. Applicable Requirements.**

Based on the Title V air operation permit renewal application received on May 20, 2013, this facility will no longer be a major source of hazardous air pollutants (HAP). This facility is classified as a Prevention of Significant Deterioration (PSD) major facility. A summary of important applicable requirements is shown in the following table.

| Applicable Requirement | E.U. ID No(s). |
|---|---|
| 40 CFR 60, Subpart A, Standards of Performance for New Stationary Sources (NSPS) General Provisions | 010 |
| 40 CFR 60, NSPS Subpart GG | 010 |
| Acid Rain, Phase II | 010 |
| Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) | 010 |
| Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) | 010 |
| Rule 62-296.470, F.A.C., Clean Air Interstate Rule (CAIR) | 010 |
| | |
| 40 CFR 63, Subpart A, General Provisions | 011, 012 |
| 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE) | 011, 012 |
| | |

## SECTION II. FACILITY-WIDE CONDITIONS.

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

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

**Emissions and Controls**

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

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

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

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

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

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

a. Paving and maintenance of roads, parking areas, and yards;
b. Landscaping or planting of vegetation;
c. Confining abrasive blasting where possible; and,
d. Other techniques, as necessary.

[Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in the Title V air operation permit renewal application received on May 20, 2013.]

**Annual Reports and Fees**

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

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

*{Permitting note: If the applicant chooses to use the Electronic Annual Operating Report (e-AOR) software, instructions provided with the system should be followed.}*

**FW7.** Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by April 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The form is available for download by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/Air/permitting/tvfee.htm. [Rule 62-213.205, F.A.C.; and, Chapter 2013-92, Section 18(11), at 11, Laws of Florida (amending Section 403.0872(11), Florida Statute (2012).]

*{Permitting notes:*

*In addition to the change in the Title V fee submission date from March 1st to April 1st, Section 403.0872(11)(a), F.S. has been amended to require that the annual fee be calculated based upon actual emissions rather than allowable emissions, as in the past.*

*In light of the 2013 statutory amendment, Rule 62-213.205, Annual Emissions Fee, F.A.C. and Rule 62-213.900, Forms and Instructions, F.A.C. will likely need to be changed. Changes to these rules will affect the associated Title V annual emissions fee provisions that are cited in Specific Conditions RR1., RR6. & RR16. within Appendix RR, Facility-wide Reporting Requirements.*

*The Department will be exploring the development of a revision to the electronic annual operating report (e-AOR) application to automatically calculate the amount of the fee based upon actual emission information provided with the AOR. When completed, the procedures for submitting the fee and/or the submission address may change.*

*Be sure to check the Title V Annual Emissions Fee On-line Information Center (see above web site address) periodically for updates, especially before submitting future Title V annual emissions fee payments.}*

**FW8.** Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

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

**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 website address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: 703/227-7650.

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

[40 CFR 68.]

## Subsection A. Emissions Units 010
## Combined-Cycle Unit No. 1 (CC-1)

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

| E.U. ID No. | Brief Description |
|---|---|
| 010 | Combined-Cycle Unit No. 1 (CC-1) |

Combined-Cycle Unit No. 1 (CC-1) consists of a nominal 83 megawatt (MW) natural gas and/or No. 2 distillate fuel oil-fired combustion turbine (CT)-electrical generator; an unfired heat recovery steam generator (HRSG); and, ancillary equipment. The CT/HRSG was manufactured by General Electric and is a Model PG7121 (7EA). Steam produced by the HRSG is routed to the existing Unit No. 8 steam turbine-electrical generator to generate 40-50 MW of additional electricity. In combined-cycle mode (CT + HRSG), CC-1 has a nominal electrical generation capacity of 133 MW when firing natural gas and 136 when firing distillate fuel oil.

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. The combustion turbine may be equipped with inlet air conditioning devices (e.g., evaporative chillers, foggers, etc.). NOx emissions are controlled through the use of low-NOx burners during natural gas firing and water injection when firing fuel oil.

The stack parameters for this emissions unit are: stack (for combined-cycle mode) height, 102 feet; stack (for combined-cycle mode) diameter, 15.5 feet; bypass stack (for simple-cycle mode) height, 88 feet; bypass stack (for simple-cycle mode) diameter, 15.5 feet; exit temperature, 242 °F; and, actual stack gas flow rate, 704,482 acfm. Stack gas exit temperature and flow rate depend upon operating mode, load, fuel type, compressor inlet and temperature, based on manufacturer data.

Commercial operation of the unit began on February 17, 2001.

*{Permitting note(s): This emissions unit is regulated under Acid Rain, Phase II; Rule 62-296.470, F.A.C., Clean Air Interstate Rule (CAIR); NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted and incorporated by reference in Rule 62-204.800(8)(b), F.A.C.; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-276/0010005-002-AC & PSD-FL-276A/0010005-004-AC]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}*

### General Operating Requirements

**A.1.** Alternate Methods of Operation. This unit may operate in either simple-cycle or combined-cycle mode. [PSD-FL-276/0010005-002-AC, Specific Condition 45. and Rule 62-213.410, F.A.C.]

**A.2.** Operating Procedures. Operating procedures shall include good operating practices in accordance with the guidelines and procedures as established by the equipment manufacturers to control emissions. [Rule 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 9.]

**A.3.** Circumvention. The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 14.]

### Essential Potential to Emit (PTE) Parameters

**A.4.** Combustion Turbine Capacity. The maximum heat input rates, based on the higher heating value (HHV) of each fuel to this unit at ambient conditions of 20°F temperature, 60% relative humidity, 100% load, and 14.7 psi pressure shall not exceed 1,083 million Btu per hour (mmBtu/hr) when firing natural gas, nor 1,121 mmBtu/hr when firing No. 2 or superior grade of distillate fuel oil. These maximum heat input rates will vary depending upon ambient conditions and the combustion turbine characteristics. [Rules 62-4.160(2) and 62-210.200, F.A.C. (Definitions - Potential to Emit (PTE)); and PSD-FL-276/0010005-002-AC, Specific Condition 6.]

*{Permitting note: The heat input rates have been placed in the permit to identify the capacity of the emission unit for purposes of confirming that emissions testing is conducted within 90-100 percent of the emission's unit rate capacity (or to limit future operation to 110 percent of the test load), to establish appropriate limits and to aid in determining future rule applicability. The owner or operator is expected to determine heat input whenever emission testing is required in order to demonstrate what percentage of the rated capacity that the unit was tested. Such heat input determinations may be based on measurements of fuel consumption by various methods including but not limited to fuel flow metering or tank drop measurements, using the heating value of the fuel determined by the fuel vendor or the owner or operator.}*

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

**A.6.** Methods of Operation. Fuels. Only pipeline natural gas or a maximum of 0.05 percent sulfur, by weight, No. 2, or superior grade, distillate fuel oil shall be fired in this unit. [Rules 62-4.160(2), 62-210.200 (PTE), 62-213.410, F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 5.]

**A.7.** Hours of Operation. This unit may operate continuously, i.e., 8,760 hours per year, of which no more than 1,000 hours per year may be on distillate fuel oil (0.05% sulfur content, by weight). The unit may not operate in excess of the annual nitrogen oxides (NOx) emission cap. [Rules 62-4.160(2) and 62-210.200, F.A.C. (Definitions - PTE); and PSD-FL-276/0010005-002-AC, Specific Condition 10.]

**Air Pollution Control Technologies & Measures**

**A.8.** Dry Low NOx Combustion Technology. The permittee shall tune, operate and maintain Dry Low NOx (DLN) combustors on this combustion turbine. [Rule 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 11.]

**A.9.** Water Injection. The permittee shall calibrate, maintain and operate an automated water injection system for the unit for use when firing fuel oil. [Rule 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 12.]

**A.10.** Combustion Controls. The permittee shall employ "good operating practices" in accordance with the manufacturer's recommended operating procedures to control CO, NOx, and VOC emissions. The combustion turbine, the DLN combustors, and the control system shall be maintained and tuned, as necessary, in accordance with manufacturer's recommendations for emissions control and to comply with the permitted emission limits. [Rules 62-4.070(1)&(3) and 62-212.400, F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 13.]

**Emission Limitations and Standards**

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

Unless otherwise specified, the averaging times for Specific Conditions **A.11. - A.16.** are based on the specified averaging time of the applicable test method.

**A.11.** Nitrogen Oxides (NOx) Emissions.

a. *Natural Gas Operation.* The concentration of NOx in the stack exhaust gas shall not exceed 9 ppmvd at 15% $O_2$ on a 720 operating hour block average. Compliance shall be demonstrated by the continuous emissions monitoring system (CEMS).

b. *Fuel Oil Operation.* The concentration of NOx in the stack exhaust gas shall not exceed 42 ppmvd at 15% $O_2$ on a 720 operating hour block average. Compliance shall be demonstrated by the CEMS.

c. *Annual Emission Cap.* Total emissions of NOx from Unit **CC-1** shall not exceed 133 tons per calendar year in order to net out of PSD. Compliance shall be demonstrated by the CEMS, as specified in Specific Condition **A.36.**

[Applicant Request to Avoid PSD requirements of Rule 62-212.400, F.A.C.; Rule 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 15.]

*{Permitting note: These limitations are more stringent than the NSPS - 40 CFR 60, Subpart GG NOx limitation, therefore assure compliance with the NSPS - 40 CFR 60, Subpart GG NOx limitation.}*

**A.12.** Carbon Monoxide (CO) Emissions - Natural Gas or Fuel Oil. The concentration of CO in the stack exhaust shall not exceed 20 ppmvd at 15% $O_2$ percent oxygen. Emissions of CO shall not exceed 43 lb/hr. Compliance shall be demonstrated by a stack test using EPA Method 10, or as otherwise specified in Specific Condition **A.38.** [Rule 62-212.400, F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 16.]

**A.13.** Volatile Organic Compounds (VOC) Emissions. The concentration of VOC (methane equivalent) in the stack exhaust gas while burning natural gas & fuel oil shall not exceed 1.4 & 3.5 ppmvw, respectively. Compliance shall be demonstrated as specified in Specific Condition **A.39.** [Rule 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 17.]

**A.14.** Sulfur Dioxide ($SO_2$) Emissions. $SO_2$ emissions shall be limited by firing pipeline natural gas (sulfur content less than 20 grains per 100 standard cubic foot) or by firing No. 2 or superior grade distillate fuel oil with a maximum 0.05 percent sulfur for up to 1,000 hours per year. Compliance with this requirement in conjunction with implementation of the Custom Fuel Monitoring Schedule in Specific Conditions **A.20.** and **A.21.** will demonstrate compliance with the applicable $SO_2$ NSPS standard. [40 CFR 60 Subpart GG; Rules 62-4.070(1)&(3) & 62-204.800(7), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 18.]

**A.15.** Particulate Matter ($PM/PM_{10}$). $PM/PM_{10}$ emissions shall not exceed 5 lb/hr when operating on natural gas and shall not exceed 10 lb/hr when operating on fuel oil. Visible emissions testing shall serve as a surrogate for $PM/PM_{10}$ compliance testing. [Rules 62-212.400 & 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 19.]

**A.16.** Visible Emissions (VE). VE emissions shall serve as a surrogate for $PM/PM_{10}$ emissions from the combustion turbine and shall not exceed 10 percent opacity from the stack in use. [Rules 62-4.070(1)&(3), 62-212.400 F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 20.]

**Excess Emissions**

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

**A.17.** Excess Emissions Allowed. Excess emissions (as defined below) resulting from startup, shutdown, fuel switching, or malfunction shall be permitted provided that best operational practices are adhered to, and the duration of excess emissions shall be minimized. Excess emissions occurrences shall in no case exceed two hours in any 24-hour period, except as follows:

a. During a "cold start-up" to combined cycle plant operation up to 8 (eight) hours of excess emissions are allowed. A cold start-up is defined as a startup that occurs when the Unit 8 steam turbine steam chest temperature is less than 250° F.
b. During a "warm start-up" to combined cycle plant operation up to 7 (seven) hours of excess emissions are allowed. A warm start-up is defined as a startup that occurs when the Unit 8 steam turbine steam chest temperature is between 250° F and 510° F.
c. During a "hot start-up" to combined cycle plant operation up to 4 (four) hours of excess emissions are allowed. A hot start-up is defined as a startup that occurs when the Unit 8 steam turbine steam chest temperature is greater than 510° F.
d. During shutdowns from combined cycle operation, up to 3 (three) hours of excess emissions are allowed.
e. Unless authorized by the Department.

NOx CEM data shall be recorded and included in calculating the annual NOx emissions. These allowable excess emissions shall be excluded from the calculation of the 720-hour block average. Excess emissions are

defined as 1 (one)-hour periods when the NOx emissions are above 9/42 ppmvd @ 15% oxygen while firing natural gas and fuel oil, respectively. [Rule 62-210.700(1)&(5), F.A.C.; G.E. Combined Cycle Startup Curves Data; and 0010005-002-AC & 0010005-010-AC, Specific Condition 21.]

*{Permitting note: The periods of excess emissions authorized in Specific Condition **A.17.** are the only periods of operation that are allowed to be excluded from the calculation of the 720-hour block average. All other periods of emissions are considered part of normal operation and must be included in determining compliance with the 720-hour block average.}*

**A.18.** Best Operational Practices to Minimize Excess Emissions. The permittee shall follow the best operational practices to minimize excess emissions during startup and shutdown as described in the most recent Title V air operation permit application. [Rule 62-210.700(1), F.A.C. and Proposed by the Applicant in the Renewal Application.]

**A.19.** 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 pursuant to Rule 62-210.700, F.A.C. These excess emissions shall be included in the 720 operating hour block average for NOx. [Rule 62-210.700(4), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 22.]

**Monitoring of Operations**

**A.20.** Custom Fuel Monitoring Schedule - Natural Gas. Monitoring of the nitrogen content of natural gas is not required because the fuel-bound nitrogen content of the fuel is minimal. Monitoring of the sulfur content of natural gas is not required if the vendor documentation indicates that the fuel meets the definitions of pipeline natural gas or natural gas set forth in 40 CFR 72. A custom fuel monitoring schedule pursuant to 40 CFR 75 Appendix D for natural gas may be used in lieu of the daily sampling requirements of 40 CFR 60.334 (b)(2) provided the following requirements are met:
a. $SO_2$ emissions shall be monitored using methods consistent with the requirements of 40 CFR 75 and certified by the USEPA.
b. This custom fuel monitoring schedule will only be valid when natural gas or pipeline natural gas is used as a primary fuel. If the primary fuel for this unit is changed to a higher sulfur fuel, $SO_2$ emissions must be accounted for as required pursuant to 40 CFR 75.11(d).
[PSD-FL-276/0010005-002-AC, Specific Condition 42.]

**A.21.** Custom Fuel Oil Monitoring Schedule - Oil. The following monitoring schedule for No. 2 or superior grade fuel oil shall be followed: For all bulk shipments of No. 2 fuel oil received at this facility an analysis which reports the sulfur content of the fuel shall be provided by the fuel vendor. The analysis shall also specify the methods by which the analyses were conducted and shall comply with the requirements of 40 CFR 60.335(d) or 40 CFR 75, Appendix D, 2.2.5., as follows: ASTM D2622-92, D129-91, D1552-90, and D4294-90, or the most current versions. Monitoring of the nitrogen content of the fuel oil is not required because the unit does not use a fuel-bound nitrogen credit in determining the NSPS limit. [PSD-FL-276/0010005-002-AC, Specific Condition 43. and applicant request.]

**Continuous Emissions Monitoring Requirements**

*{Permitting note: As required under the federal Acid Rain Program, the unit is equipped with continuous emissions monitoring systems to measure NOx and $CO_2$.}*

**A.22.** Continuous Emissions Monitoring System (CEMS). The permittee shall calibrate, maintain, and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides emissions from these units. Upon request from EPA or DEP, the CEMS concentrations for NOx on the CT shall be corrected to ISO conditions to demonstrate compliance with the NOx standard established in 40 CFR 60.332. [Rules 62-204.800, 62-210.700, 62-4.130, 62-4.160(8), F.A.C.; 40 CFR 60.7 (1999 version); and PSD-FL-276/0010005-002-AC, Specific Condition 37.]

**A.23.** Maintenance of CEMS. The CEMS shall be in continuous operation except for breakdowns, repairs, calibration checks, and zero and span adjustments. The CEMS shall meet minimum frequency of operation requirements: one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. Data recorded during periods of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data average. [40 CFR 60.13; and PSD-FL-276/0010005-002-AC, Specific Condition 38.]

**A.24.** CEMS for Reporting Excess Emissions and Emissions Above the 720-Operating Hour Block Average or the Annual Emissions Cap. The NOx CEMS shall be used to determine periods of excess emissions. For purpose of reporting, one-hour periods when NOx emissions are above 9/42 ppmvd @ 15 % oxygen while firing natural gas/fuel oil shall be defined and reported as excess emissions in accordance with Specific Condition **A.45.** One hour averages shall be computed from four or more data points equally spaced over each one-hour period. CEMS downtime shall be calculated and reported according to the requirements of 40 CFR 60.7 (c)(3) and 40 CFR 60.7 (d)(2). Periods when time-averaged NOx emissions [i.e., 720 operating hour block average or the annual total (i.e., 133 TPY calendar year)] are above the emission limitations listed in Specific Condition **A.11.**, shall be reported to the DEP Northeast District Office within one working day (verbally) followed up by a written explanation postmarked no later than three (3) working days (alternatively by facsimile within one working day). [Rules 62-204.800, 62-210.700, 62-4.130, 62-4.160(8), F.A.C.; 40 CFR 60.7 (1999 version); and PSD-FL-276/0010005-002-AC, Specific Condition 39.]

**A.25.** CEMS in lieu of Water to Fuel Ratio. The NOx CEMS shall be used in lieu of the fuel bound nitrogen levels and water/fuel monitoring system for reporting excess emissions in accordance with 40 CFR 60.334(c)(1), Subpart GG (1999 version). The calibration of the water/fuel monitoring device required in 40 CFR 60.335 (c)(2) (1999 version) will be replaced by the 40 CFR 75 certification tests of the NOx CEMS. [PSD-FL-276/0010005-002-AC, Specific Condition 40.]

**A.26.** CEMS Certification and Quality Assurance Requirements. The monitoring devices shall comply with the certification and quality assurance, and any other applicable requirements of Rule 62-297.520, F.A.C., 40 CFR 60.13, including certification of each device in accordance with 40 CFR 60, Appendix B, Performance Specifications and 40 CFR 60.7(a)(5) or 40 CFR Part 75. Quality assurance procedures must conform to all applicable sections of 40 CFR 60, Appendix F or 40 CFR 75. [PSD-FL-276/0010005-002-AC, Specific Condition 41.]

**Test Methods and Procedures**

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

**A.27.** 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.28.** Test Methods. Required tests shall be performed in accordance with the following reference methods:

| Method(s) | Description of Method(s) and Comment(s) |
|---|---|
| ASTM methods D1072-90, D4468-85, D5504-94, or D3246-81, or the latest edition of the above ASTM methods | Methods for Evaluating Fuel Sulfur Content |
| EPA Method 9 | Visual Determination of the Opacity of Emissions |
| EPA Method 10 | Determination of Carbon Monoxide Emissions |
| EPA Reference Method 18, 25 | Determination of Volatile Organic Concentrations |

| Method(s) | Description of Method(s) and Comment(s) |
|---|---|
| and/or 25A | |
| EPA Method 7E | Determination of Nitrogen Oxide Emissions |
| EPA Method 20 | Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines |

The above methods are described in Chapter 62-297, F.A.C. and/or 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. [Chapter 62-297, F.A.C.]

**A.29.** VE Testing - Annual. By this permit, annual emissions compliance testing for visible emissions is not required for this emissions unit while burning:
a. only gaseous fuel(s); or,
b. gaseous fuel(s) in combination with any amount of liquid fuel(s) for less than 400 hours per year; or,
c. only liquid fuel(s) for less than 400 hours per year.
See Specific Condition **TR7.** [Rule 62-297.310(7)(a)4. & 8., F.A.C.]

**A.30.** Annual Compliance Tests. During each federal fiscal year (October 1st to September 30th), this unit when operating in combined cycle mode shall be tested to demonstrate compliance with the emissions standards for CO and VE. [Rule 62-297.310(7), F.A.C. and Permit No. PSD-FL-276/0010005-002-AC]

**A.31.** Compliance Tests Prior To Renewal. Prior to permit renewal, compliance test shall be performed for the following pollutants: CO and VE. [Rule 62-297.310(7)(a)3., F.A.C.]

**A.32.** VE Testing - Renewal. By this permit, renewal emissions compliance testing for VE is not required for this emissions unit when burning natural gas or fuel oil for less than 400 hours per year. See Specific Condition **TR7.** [Rule 62-297.310(7)(a)4., F.A.C.]

**A.33.** Compliance Time. Except as otherwise specified in this permit, compliance with the allowable emission limiting standards shall be determined annually as indicated in this permit, by using the following reference methods as described in 40 CFR 60, Appendix A (most current version), and adopted by reference in Chapter 62-204.800, F.A.C. [PSD-FL-276/0010005-002-AC, Specific Condition 23.]

**A.34.** Initial/Annual Compliance Tests. *Initial* tests shall be conducted after any substantial modifications (and shake down period not to exceed 100 days after re-starting the CT) of air pollution control equipment such as change of combustors. *Annual* (A) compliance tests shall be performed during every federal fiscal year (October 1 - September 30) pursuant to Rule 62-297.310(7), F.A.C., on this unit as indicated. An *initial* test will satisfy the requirements for an annual compliance test if an annual compliance test is required during the federal fiscal year in which the *initial* test was conducted. The following reference methods shall be used. No other test methods may be used for compliance testing unless prior DEP approval is received in writing.
a. *EPA Reference Method 9*. "Visual Determination of the Opacity of Emissions from Stationary Sources" (A). Annual testing is applicable to fuel oil and only if fuel oil is used for more than 400 hours during the preceding 12-month period.
b. *EPA Reference Method 10*. "Determination of Carbon Monoxide Emissions from Stationary Sources" (A, gas only).
c. *EPA Reference Method 18, 25 and/or 25A*. "Determination of Volatile Organic Concentrations." *Initial* test only (see Specific Condition **TR7.**).
The owner or operator is allowed to make the *initial* compliance demonstration for NOx emissions using certified CEM system data, provided that compliance be based on a minimum of three test runs representing a total of at least three hours of data, and that the CEMS be calibrated in accordance with the procedure in section 6.2.3 of Method 20 following each run. Alternatively, initial compliance may be demonstrated using data collected during the initial relative accuracy test audit (RATA) performed on the NOx monitor. The

requirement under 40 CFR 60.355 (c)(2), (3) to perform a Method 20 test at four separate loads is waived. The RATA tests required for the NOx monitor shall be performed using EPA Method 20 or 7E, of Appendix A of 40 CFR 60. The NOx monitor shall be a dual range monitor. The span for the lower range shall not be greater than 30 ppm, and the span for the upper range shall not be greater than 120 ppm, as corrected to 15% $O_2$. [PSD-FL-276A/0010005-004-AC, Specific Condition 24.]

**A.35.** Continuous Compliance with the Time-Averaged NOx Emission Limits.

a. Continuous compliance with the time-averaged NOx emission limits (as specified in Specific Condition **A.11.**) shall be demonstrated with the CEM system based on the applicable averaging time of 720 operating hour block average basis. Based on CEMS data, a separate compliance determination is conducted at the end of each 720 operating hour block and a new average NOx concentration is calculated from the arithmetic average of all valid hourly NOx concentrations from the next 720 operating hour block average.

b. A valid hourly NOx concentration shall be calculated for each hour in which at least two NOx concentrations are obtained at least 15 minutes apart. Valid hourly NOx concentrations shall not include periods of start up, shutdown, fuel switching, or malfunction unless not authorized by Rule 62-210.700, F.A.C., or Specific Condition **A.17.**

c. Periods when the 720 operating hour block average or the 133 TPY calendar year cap NOx exceeds the emission limitations specified in Specific Condition **A.11.**, shall be reported as required by Specific Condition **A.24.**

[Rules 62-4.070(1)&(3), F.A.C., 62-210.700, F.A.C.; and 40 CFR 75; and, PSD-FL-276/0010005-002-AC, Specific Condition 25.]

**A.36.** Compliance with the NOx Annual Emission Cap. Total emissions of NOx from Unit **CC-1** shall not exceed 133 tons per calendar year in order to net out of PSD. Annual emissions shall be calculated using the methodology in 40 CFR 75.71 and 40 CFR 75.72 and 40 CFR Part 75, Appendix F, Section 8.4 and shall be reported to the District office on the Annual Operating Report. The owner or operator shall notify the Department as specified in Specific Condition **A.24.** if annual emissions exceed the NOx cap based on cumulative calculations which are done each month.

a. For each calendar month or year, NOx mass emissions (in tons) will be calculated as follows:

NOx (in tons) = (Sum of all hourly NOx mass emissions in lbs for the given time period)/2000

b. Specific Condition **A.24.** provides a specific timeframe for reporting if the NOx cap is exceeded.

[Applicant Request to Avoid PSD requirements of Rule 62-212.400, F.A.C., Rule 62-4.070(1)&(3), F.A.C. and PSD-FL-276/0010005-002-AC, Specific Condition 26.]

**A.37.** Compliance with the $SO_2$ and $PM/PM_{10}$ emission limits. Notwithstanding the requirements of Rule 62-297.340, F.A.C., the use of pipeline natural gas is the method for determining compliance for $SO_2$ and $PM_{10}$. For the purposes of demonstrating compliance with the 40 CFR 60.333 $SO_2$ standard, ASTM methods D1072-90, D4468-85, D5504-94, or D3246-81 (or latest edition) for sulfur content of gaseous fuel shall be utilized in accordance with the EPA-approved custom fuel monitoring schedule or natural gas supplier data may be submitted or the natural gas sulfur content referenced in 40 CFR 75 Appendix D may be utilized. However, the applicant is responsible for ensuring that the procedures in 40 CFR 60.335 or 40 CFR 75 are used when determination of fuel sulfur content is made. Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency pursuant to 40 CFR 60.335(e) (1999 version). [PSD-FL-276/0010005-002-AC, Specific Condition 27.]

**A.38.** Compliance with CO emission limit. Annual compliance testing for CO may be conducted at less than capacity when compliance testing is conducted concurrent with the RATA testing for the NOx CEMS required pursuant to 40 CFR 75. Alternatively to annual testing in a given year, periodic tuning data may be provided to demonstrate compliance in the year the tuning is conducted. [Rules 62-297.310(7)(a) 4., 62-212.400, and 62-4.070(1)&(3), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 28.]

**A.39.** Compliance with the VOC emission limit. The CO and VE limits and periodic tuning data are employed as surrogates and no annual or renewal testing for VOC is required. Therefore, compliance testing for VOC shall be required only through Rule 62-297.310(7)(b), F.A.C. (See Specific Condition **TR7.**) [Rule 62-4.070(1)&(3), F.A.C; and PSD-FL-276/0010005-002-AC, Specific Condition 29.]

**A.40.** Testing Procedures. Testing of emissions shall be conducted with the combustion turbine operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum heat input rate allowed by the permit, corrected for the average ambient air temperature during the test (with 100 percent represented by a curve depicting heat input vs. ambient temperature). If it is impracticable to test at permitted capacity, the source may be tested at less than permitted capacity. In this case, subsequent operation is limited by adjusting the entire heat input vs. ambient temperature curve downward by an increment equal to the difference between the maximum permitted heat input (corrected for ambient temperature) and 110 percent of the value reached during the test until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity. Procedures for these tests shall meet all applicable requirements (i.e., testing time frequency, minimum compliance duration, etc.) of Chapters 62-204 and 62-297, F.A.C. [Rule 62-297.310(2) F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 30.]

**A.41.** Test Notification. The DEP's Northeast District Office shall be notified, in writing, at least 15 days before the initial tests and annual compliance tests. [Rules 62-297.310(7)(a)9 F.A.C.; 40 CFR 60.7 and 60.8; and PSD-FL-276/0010005-002-AC, Specific Condition 31.]

**A.42.** Test Results. Compliance test and initial test results shall be submitted to the DEP's Northeast District Office no later than 45 days after completion of the last test run. [Rule 62-297.310(8), F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 33.]

**Recordkeeping and Reporting Requirements**

**A.43.** Records. All measurements, records, and other data required to be maintained by GRU shall be recorded in a permanent form and retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These records shall be made available to DEP representatives upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.; and PSD-FL-276/0010005-002-AC, Specific Condition 34.]

**A.44.** Fuel Oil Use. To ensure compliance with the hourly limitations in Specific Conditions **A.7.** and **A.14.**, the source shall monitor and record operating hours for fuel oil use. [Rule 62-213.440(1)(b), F.A.C.]

**A.45.** Excess Emissions Report. If excess emissions (as specified in Specific Conditions **A.17.** and **A.24.**) occur for more than two hours due to malfunction, the owner or operator shall notify DEP's Northeast District Office within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Pursuant to the New Source Performance Standards, all excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A. Following the format of 40 CFR 60.7, periods of startup, shutdown, fuel switching and malfunction, shall be monitored, recorded, and reported as excess emissions when emission levels exceed the permitted standards listed in Specific Conditions **A.16.** and **A.24.** [Rules 62-4.130, 62-204.800, 62-210.700(6), F.A.C.; 40 CFR 60.7 (1999 version); and PSD-FL-276/0010005-002-AC, Specific Condition 36.]

**A.46.** Reporting Schedule. The following report shall be submitted to the Compliance Authority:

| Report | Reporting Deadline(s) | Related Condition(s) |
|---|---|---|
| NSPS Excess Emissions and Monitoring System Performance | Every 6 months (semi-annual), except when more frequent reporting is specifically required | **A.48.** |

[40 CFR 60, Subparts A & GG.]

**A.47.** 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 Requirements**

**A.48.** NSPS Requirements - Subpart GG. Except as otherwise provided in this permit, the combustion turbine shall comply with all applicable provisions of 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted by reference in Rule 62-204.800(8)(b), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.334(b)(2) and 40 CFR 60.335(f)(1). The Subpart GG requirement to correct test data to ISO conditions applies, but such correction is not required to demonstrate compliance with the non-NSPS permit standard(s). This emissions unit shall comply with **Appendix 40 CFR 60 Subpart GG** attached to this permit. [PSD-FL-276/0010005-002-AC, Specific Condition 1.]

**A.49.** NSPS Requirements - Subpart A. The combustion turbine unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions including:

40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting requirements
adopted by reference in Rule 62-204.800(8)(d), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16.

This emissions unit shall comply with **Appendix 40 CFR 60 Subpart A** attached to this permit. [PSD-FL-276/0010005-002-AC, Specific Condition 2.]

## Subsection B. Emissions Units 011 & 012
## Emergency Generator Nos. 1 & 2

**The specific conditions in this part of the subsection apply to the following group of emissions units:**

| | |
|---|---|
| **E.U. ID No.** | **Brief Description** |
| 011 | Emergency Generator No. 1 - 189 HP |
| 012 | Emergency Generator No. 2 - 195 HP |

This subsection of the permit is comprised of 2 compression ignition (CI) type engines which are emergency generators. Air pollutant emissions from these engines are uncontrolled.

*{Permitting notes: These emissions units, engines, are regulated under 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE) adopted in Rule 62-204.800(11)(b), F.A.C. The permittee identified other non-road engines (portable) located at the facility; these engines are not regulated under 40 CFR 63, Subpart ZZZZ.*

*These emissions units are "existing" stationary CI RICE less than or equal to 500 horsepower (HP) that are located at a non-major source of HAP and that have not been modified or reconstructed after 6/12/2006. Unless the RICE is modified or reconstructed after 7/11/2005, NSPS 40 CFR 60, Subpart IIII, will not apply.}*

This subsection of the permit includes unit-specific applicable requirements for each group of engines which were customized from the entire 40 CFR 63, Subpart ZZZZ.

The following table provides important details for this emissions unit:

| E.U. ID No. | Engine Brake HP | Date of Construction | Model Year | Primary Fuel | Type of Engine | Displacement liters/cylinder (l/c) | Manufacturer / Model # / Engine Serial # |
|---|---|---|---|---|---|---|---|
| 011 | 189 | prior to April 1, 2006 | - | Diesel | Emergency | est. ~1 | Caterpillar® |
| | | | | | | | D333 |
| | | | | | | | N/A |
| 012 | 195 | prior to April 1, 2006 | - | Diesel | Emergency | est. ~1 | Caterpillar® |
| | | | | | | | D333A |
| | | | | | | | N/A |

**Essential Potential to Emit (PTE) Parameters**

**B.1.** Hours of Operation.

a. *Emergency Situations*. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 63.6640(f)(1)]

b. *Maintenance and Testing*. Each RICE is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. [40 CFR 63.6640(f)(1)]

c. *Non-emergency Situations*. Each RICE is authorized to 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 63.6640(f)(1)]

d. *Other Situations.* Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency power. [40 CFR 63.6640(f)(1)]

e. *Engine Startup.* During periods of startup the owner or operator must minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for the appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6625(h)]

**Emission Limitations and Operating Requirements**

*{Permitting note: These "existing" stationary CI engines with ≤ 500 HP do not have specific numerical emission limitations and standards.}*

**B.2.** Work or Management Practice Standards.

a. *Oil*. Change oil and filter every 500 hours of operation or annually, whichever comes first. [40 CFR 63 Table 2d(1)(a)]

b. *Air Cleaner*. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first. [40 CFR 63 Table 2d(1)(b)]

c. *Hoses and Belts*. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63 Table 2d(1)(c)]

d. *Operation and Maintenance*. Operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow your own maintenance plan which must provide, to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution, control practice for minimizing emissions. [40 CFR 63.6625(e)]

e. *Oil Analysis*. The owner or operator has the option of using oil analysis to extend the change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent of water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent of water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63.6625(i)]

**Monitoring of Operations**

**B.3.** Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]

**Compliance Requirements**

**B.4.** Continuous Compliance. Each unit shall be in compliance with the emission limitations and operating standards in this section at all times. [40 CFR 63.6605(a)]

**B.5.** Operation and Maintenance of Equipment. At all times the owner or operator must operate and maintain, any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the compliance authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6605(b)]

**Recordkeeping Requirements**

**B.6.** Notification, Performance and Compliance Records.

a. A copy of each notification and report that the owner or operator submitted to comply with this section, including all documentation supporting any Initial Notification or Notification of Compliance Status that the owner or operator submitted.
b. The owner or operator must keep the records required in 40 CFR 63.6625(e) of this section to show continuous compliance with each emission limitation or operating requirement.
c. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

[40 CFR 63.6655]

**B.7.** Malfunction Records.

a. Records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment.
b. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b) of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[40 CFR 63.6655]

**B.8.** Maintenance Records.

a. Records of all required maintenance performed on the air pollution control and monitoring equipment.
b. The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) are operated and maintained according to its own maintenance plan.

[40 CFR 63.6655]

**B.9.** Record Retention.

a. The owner or operator must keep records in a suitable and readily available form for expeditious reviews.
b. The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6660 and 40 CFR 63.10(b)(1)]

**Reporting Requirements**

**B.10.** Emergency Situation. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required of this section, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable. [40 CFR 63.6603 Table 2d, footnote 1]

**THE FOLLOWING SPECIFIC CONDITIONS ALSO APPLY TO THESE EMISSIONS UNITS.**

**Test Methods and Procedures**

**B.11.** 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**

**B.12.** Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440, F.A.C.]

**NESHAP 40 CFR 63, Subpart A & ZZZZ Requirements**

**B.13.** 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.]

**B.14.** 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.]

## SECTION IV. ACID RAIN PART.

### Federal Acid Rain Provisions

**Operated by:** City of Gainesville, Gainesville Regional Utilities (GRU)
**Plant Name**: J.R. Kelly Generating Station
**ORIS Code:** 0664

**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. | EPA Unit ID# | Brief Description |
|---|---|---|
| 010 | CC-1 | Combined-Cycle Unit No. 1 (CC-1) |

**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 listed below:

DEP Form No. 62-210.900(1)(a) - Form, Effective: 3/16/08, signed by the Designated Representative on April 23, 2013, which is included at the end of this subsection.
[Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

**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.]

**3.** Comments, Notes, and Justifications. The Boiler No. 8 ("JRK8") had been previously permanently retired on September 2, 2000.

# 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.**

| | | |
|---|---|---|
| **J.R. Kelly Generating Station**<br>Plant name | **Florida**<br>State | **0664**<br>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?<br>(Yes or No) | Unit will hold allowances in accordance with 40 CFR 72.9(c)(1) | New or $SO_2$ Opt-in Units<br>Commence Operation Date | New or $SO_2$ Opt-in Units<br>Monitor Certification Deadline |
| **CC1** | **No** | **Yes** | **N/A** | **N/A** |
| **JRK8** | **No** | **Yes** | **N/A** | **N/A** |
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DEP Form No. 62-210.900(1)(a) – Form
Effective: 3/16/08

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**J.R. Kelly Generating Station**

Plant Name (from STEP 1)

**STEP 3**

**Read the standard requirements.**

Acid Rain Part Requirements.

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

Monitoring Requirements.

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

Sulfur Dioxide Requirements.

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

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

Excess Emissions Requirements.

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

Recordkeeping and Reporting Requirements.

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

**J.R. Kelly Generating Station**

Plant Name (from STEP 1)

**STEP 3, Continued.**

Recordkeeping and Reporting Requirements (cont)

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

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

Liability.

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

Effect on Other Authorities.

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

**STEP 4**
**For $SO_2$ Opt-in units only.**

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

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

**In column "h" enter the hours.**

| f | g | h (not required for renewal application) |
|---|---|---|
| Unit ID# | Description of the combustion unit | Number of hours unit operated in the six months preceding initial application |
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**J.R. Kelly Generating Station**
**Plant Name (from STEP 1)**

**STEP 5**

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

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

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

| i | j | k | l | m | n |
|---|---|---|---|---|---|
| Unit ID# | Baseline or Alternative Baseline under 40 CFR 74.20 (mmBtu) | Actual $SO_2$ Emissions Rate under 40 CFR 74.22 (lbs/mmBtu) | Allowable 1985 $SO_2$ Emissions Rate under 40 CFR 74.23 (lbs/mmBtu) | Current Allowable $SO_2$ Emissions Rate under 40 CFR 74.24 (lbs/mmBtu) | Current Promulgated $SO_2$ Emissions Rate under 40 CFR 74.25 (lbs/mmBtu) |
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**STEP 6**

**For $SO_2$ Opt-in units only.**

**Attach additional requirements, certify and sign.**

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

| Signature | Date |
|---|---|

**STEP 7**

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

**Certification (for designated representative or alternate designated representative only)**

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

| | |
|---|---|
| **John W. Stanton**<br>Name | **Assistant General Manager - Energy Supply**<br>Title |
| **City of Gainesville, Gainesville Regional Utilities (GRU)**<br>Owner Company Name | |
| **(352) 393-1789**<br>Phone | **stantonjw@gru.com**<br>E-mail address |
| Signature | Date 4-23-13 |

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

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## SECTION V. CAIR PART.
## CLEAN AIR INTERSTATE RULE PROVISIONS

**Operated by:** City of Gainesville, Gainesville Regional Utilities (GRU)
**Plant Name**: J.R. Kelly Generating Station
**ORIS Code:** 0664

**This Subsection addresses CAIR.**

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

| E.U. ID No. | EPA Unit ID# | Brief Description |
|---|---|---|
| 010 | CC-1 | Combined-Cycle Unit No. 1 (CC-1) |

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

**2.** Comments, Notes, and Justifications. None.

# Clean Air Interstate Rule (CAIR) Part

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

This submission is: ☐ New ☐ Revised ■ Renewal

**STEP 1**

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

| Plant Name: **J.R. Kelly Generating Station** | State: **Florida** | ORIS or EIA Plant Code: **0664** |
|---|---|---|

**STEP 2**

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

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

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

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| Unit ID# | Unit will hold nitrogen oxides ($NO_X$) allowances in accordance with 40 CFR 96.106(c)(1) | Unit will hold sulfur dioxide ($SO_2$) allowances in accordance with 40 CFR 96.206(c)(1) | Unit will hold $NO_X$ Ozone Season allowances in accordance with 40 CFR 96.306(c)(1) | New Units<br>Expected Commence Commercial Operation Date | New Units<br>Expected Monitor Certification Deadline |
| **CC1** | **X** | **X** | **X** | **N/A** | **N/A** |
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**J.R. Kelly Generating Station**
Plant Name (from STEP 1)

**STEP 3**

**Read the standard requirements.**

## CAIR $NO_X$ ANNUAL TRADING PROGRAM

### CAIR Part Requirements.

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

### Monitoring, Reporting, and Recordkeeping Requirements.

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

### $NO_X$ Emission Requirements.

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

### Excess Emissions Requirements.

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

### Recordkeeping and Reporting Requirements.

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

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Effective: ____

**J.R. Kelly Generating Station**
Plant Name (from STEP 1)

**STEP 3, Continued**

Liability.

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

Effect on Other Authorities.

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

**CAIR $SO_2$ TRADING PROGRAM**

CAIR Part Requirements.

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

Monitoring, Reporting, and Recordkeeping Requirements.

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

$SO_2$ Emission Requirements.

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

Excess Emissions Requirements.

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

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**J.R. Kelly Generating Station**
Plant Name (from STEP 1)

**STEP 3, Continued**

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR $SO_2$ source and each CAIR $SO_2$ unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.
(i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR $SO_2$ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR $SO_2$ Trading Program.
(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR $SO_2$ Trading Program or to demonstrate compliance with the requirements of the CAIR $SO_2$ Trading Program.
(2) The CAIR designated representative of a CAIR $SO_2$ source and each CAIR $SO_2$ unit at the source shall submit the reports required under the CAIR $SO_2$ Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

(1) Each CAIR $SO_2$ source and each CAIR $SO_2$ unit shall meet the requirements of the CAIR $SO_2$ Trading Program.
(2) Any provision of the CAIR $SO_2$ Trading Program that applies to a CAIR $SO_2$ source or the CAIR designated representative of a CAIR $SO_2$ source shall also apply to the owners and operators of such source and of the CAIR $SO_2$ units at the source.
(3) Any provision of the CAIR $SO_2$ Trading Program that applies to a CAIR $SO_2$ unit or the CAIR designated representative of a CAIR $SO_2$ unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

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

**CAIR $NO_x$ OZONE SEASON TRADING PROGRAM**

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR $NO_X$ Ozone Season source and each CAIR $NO_X$ Ozone Season unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];
(2) The owners and operators of each CAIR $NO_X$ Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR $NO_X$ Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

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

$NO_x$ Ozone Season Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR $NO_X$ Ozone Season source and each CAIR $NO_X$ Ozone Season unit at the source shall hold, in the source's compliance account, CAIR $NO_X$ Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total $NO_X$ emissions for the control period from all CAIR $NO_X$ Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.
(2) A CAIR $NO_X$ Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO, Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.
(3) A CAIR $NO_X$ Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the $NO_X$ Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR $NO_X$ Ozone Season allowance was allocated.
(4) CAIR $NO_X$ Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR $NO_X$ Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.
(5) A CAIR $NO_X$ Ozone Season allowance is a limited authorization to emit one ton of $NO_X$ in accordance with the CAIR $NO_X$ Ozone Season Trading Program. No provision of the CAIR $NO_X$ Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
(6) A CAIR $NO_X$ Ozone Season allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a CAIR $NO_X$ Ozone Season allowance to or from a CAIR $NO_X$ Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR $NO_X$ Ozone Season unit.

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|---|
| **J.R. Kelly Generating Station**<br>Plant Name (from STEP 1) |

**STEP 3, Continued**

Excess Emissions Requirements.

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

Recordkeeping and Reporting Requirements.

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

Liability.

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

Effect on Other Authorities.

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

**STEP 4**

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

**Certification (for designated representative or alternate designated representative only)**

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

| | |
|---|---|
| **John W. Stanton**<br>Name | **Assistant General Manager - Energy Supply**<br>Title |
| **City of Gainesville, Gainesville Regional Utilities (GRU)**<br>Owner Company Name | |
| **(352) 393-1789**<br>Phone | **stantonjw@gru.com**<br>E-mail address |
| Signature JWS | Date 4-23-13 |

DEP Form 62-210.900(1)(a) - Instructions
Effective: _____

## SECTION V. CAIR PART.
## CLEAN AIR INTERSTATE RULE PROVISIONS

**Operated by:** City of Gainesville, Gainesville Regional Utilities (GRU)
**Plant Name**: J.R. Kelly Generating Station
**ORIS Code:** 0664

**This Subsection addresses Acid Rain and Clean Air Interstate Rule Retired Unit Exemptions.**

The emissions units listed below are regulated under the federal Acid Rain and CAIR Program.

| E.U. ID No. | EPA Unit ID# | Brief Description |
|---|---|---|
| 008 | JRK8 | Fossil Fuel Steam Generator, Unit No. 8 |

The Boiler No. 8 ("JRK8") had been previously permanently retired on **September 2, 2000**.

Operation of this unit had been previously formally surrendered.

**1.** Acid Rain and CAIR Retired Unit Exemption Application. The Acid Rain and CAIR Retired Unit Exemption Part Form submitted for this facility is a part of this permit. The owners and operators of these Acid Rain/CAIR retired units as identified in the form must comply with the standard requirements and special provisions set forth in the Acid Rain/CAIR Retired Unit Exemption Part Form (DEP Form No. 62-210.900(1)(d) - Form, Effective: 03/16/2008), which is attached at the end of this subsection. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]

**2.** Acid Rain, Phase II. The acid rain units are subject to the following: 40 CFR 72.1 which requires the units to have an Acid Rain Part as part of its Title V permit; 40 CFR 72.2 which provides associated definitions; 40 CFR 72.3 which provides measurements, abbreviations, and acronyms; 40 CFR 72.4 which provides the federal authority of the Administrator; 40 CFR 72.5 which provides the authority of the states; 40 CFR 72.6 which makes the boilers Phase II units; 40 CFR 72.10 which gives the public access to information about this unit; and, 40 CFR 72.13 which incorporates certain ASTM methods into 40 CFR Part 72. [Chapter 62-213 and Rule 62-214.340(2), F.A.C.]

**3.** Comments, notes, and justifications: The retired unit forms were previously processed.

# Acid Rain, CAIR, and Hg Budget Retired Unit Exemption

**For more information, see instructions and refer to 40 CFR 72.8, 96.105, 96.205, 96.305, and 60.4105; and Rules 62-214.340(2), 62-296.470, and 62-296.480, F.A.C.**

**This submission is:** [X] **New** [ ] **Revised**

**STEP 1**

**Identify the unit by plant name, State, ORIS code and unit ID#.**

| Plant Name | State | ORIS/Plant Code | Unit ID# |
|---|---|---|---|
| **Gainesville Regional Utilities J. R. Kelly Generating Station** | **Florida** | **0664** | **JRK8** |

**Applicable Program(s):** [X] Acid Rain [X] CAIR $NO_X$ Annual [X] CAIR $SO_2$ [X] CAIR $NO_X$ Ozone Season
[ ] Mercury (Hg) Budget Trading

**STEP 2**
**Identify the date on which the unit was (or will be) permanently retired.**

**September 2, 2000**

**STEP 3**
**If an acid rain affected unit, identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.8(d).**

**January 1, 2001**

**STEP 4**
**Read the special provisions.**

**Acid Rain Special Provisions**

(1) A unit exempt under Rule 62-214.340(2), F.A.C., shall not emit any sulfur dioxide and nitrogen oxides starting on the date that the exemption takes effect. The owners and operators of the unit will be allocated allowances in accordance with 40 CFR Part 73, Subpart B. If the unit is a Phase I unit, for each calendar year in Phase I, the designated representative of the unit shall submit a Phase I permit application in accordance with 40 CFR Part 72, Subparts C and D, and an annual certification report in accordance with 40 CFR 72.90 through 72.92 and is subject to 40 CFR 72.95 and 72.96.
(2) A unit exempt under Rule 62-214.340(2), F.A.C., shall not resume operation unless the designated representative of the source that includes the unit submits a complete Acid Rain Part application under Rule 62-214.320, F.A.C., for the unit not less than 24 months prior to the date on which the unit is first to resume operation.
(3) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under Rule 62-214.340(2), F.A.C., shall comply with the requirements of Chapter 62-214, F.A.C., and the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
(4) For any period for which a unit is exempt under Rule 62-214.340(2), F.A.C., the unit is not an Acid Rain unit and is not eligible to be an opt-in source under 40 CFR Part 74. As a non-Acid Rain Unit, the unit shall continue to be subject to any other applicable requirements under Chapter 62-213, F.A.C.
(5) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-214.340(2), F.A.C., shall retain at the source that includes the unit records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the EPA or the DEP. The owners and operators bear the burden of proof that the unit is permanently retired.
(6) On the earlier of the following dates, a unit exempt under Rule 62-214.340(2), F.A.C., shall lose its exemption and become an Acid Rain Unit: (i) the date on which the designated representative submits an Acid Rain Part application under paragraph (2); or (ii) the date on which the designated representative is required under paragraph (2) to submit an Acid Rain Part application. For the purpose of applying monitoring requirements under 40 CFR Part 75, a unit that loses its exemption under Rule 62-214.340(2), F.A.C., shall be treated as a new unit that commenced commercial operation on the first date on which the unit resumes operation.

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

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**Gainesville Regional Utilities**
**J. R. Kelly Generating Station**

**STEP 4**
**(continued)**

**CAIR Special Provisions**

(1) A unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a), shall not emit any sulfur dioxide or nitrogen oxides starting on the date that the exemption takes effect. The DEP will allocate CAIR $NO_X$ allowances in accordance with Rule 62-296.470, F.A.C.
(2) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under Rule 62-296.470, F.A.C., shall retain at the source that includes the unit, records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the EPA or the DEP. The owners and operators bear the burden of proof that the unit is permanently retired.
(3) The owners and operators and, to the extent applicable, the CAIR designated representative of a unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a), shall comply with the applicable requirements of the CAIR $NO_X$ Annual Trading Program, the CAIR $SO_2$ Trading Program, and the CAIR $NO_X$ Ozone Season Trading Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
(4) A unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a), and located at a source that is required, or but for this exemption would be required, to have a title V operating permit shall not resume operation unless the CAIR designated representative of the source submits a complete CAIR Part application under Rule 62-213.420, F.A.C., for the unit before the date on which the unit resumes operation.
(5) On the earlier of the following dates, a unit exempt under 40 CFR 96.105(a), 96.205(a), or 96.305(a) shall lose its exemption:
(i) the date on which the CAIR designated representative submits a CAIR Part application under Special Provision (4) above;
(ii) the date on which the CAIR designated representative is required under Special Provision (4) above to submit an CAIR Part application for the unit; or
(iii) the date on which the unit resumes operation, if the CAIR designated representative is not required to submit a CAIR Part application for the unit.
(6) For the purpose of applying monitoring, reporting and recordkeeping requirements under 40 CFR Part 96, Subparts HH, HHH, and/or HHHH, a unit that loses its exemption under 40 CFR 96.105(a), 96.205(a), or 96.305(a), shall be treated as a unit that commences commercial operation on the first date on which the unit resumes operation.

**Mercury (Hg) Budget Trading Special Provisions**

(1) A unit exempt under 40 CFR 60.4105(a) shall not emit any mercury starting on the date that the exemption takes effect.
(2) The DEP will allocate Hg allowances under Rule 62-296.480, F.A.C.
(3) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 60.4105(a) shall retain at the source that includes the unit, records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any before the end of the period, in writing by the EPA or the DEP. The owners and operators bear the burden of proof that the unit is permanently retired.
(4) The owners and operators and, to the extent applicable, the Hg designated representative of a unit exempt under 40 CFR 60.4105(a) shall comply with the requirements of the Hg Budget Trading Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
(5) A unit exempt under 40 CFR 60.4105(a) and located at a source that is required, or but for this exemption would be required, to have a title V operating permit shall not resume operation unless the Hg designated representative of the source submits a complete Hg Budget Part application under 40 CFR 60.4122 and Rule 62-213.420, F.A.C., for the unit before the date on which the unit resumes operation.
(6) On the earlier of the following dates, a unit exempt under 40 CFR 60.4105(a) shall lose its exemption:
(i) the date on which the Hg designated representative submits a Hg Budget Part application for the unit under Special Provision (5);
(ii) the date on which the Hg designated representative is required under Special Provision (5) to submit a Hg Budget Part application for the unit; or
(iii) the date on which the unit resumes operation, if the Hg designated representative is not required to submit a Hg Budget Part application for the unit.
(7) For the purpose of applying monitoring, reporting and recordkeeping requirements under 40 CFR 60.4170 through 60.4176, a unit that loses its exemption under 40 CFR 60.4105(a) shall be treated as a unit that commences operation and commercial operation on the first date on which the unit resumes operation.

**Gainesville Regional Utilities**
**J. R. Kelly Generating Station**

**STEP 5**

**Make Statement of Compliance.**

**Statement of Compliance**

I state that the unit identified above in STEP 1 was (or will be) permanently retired on the date identified in STEP 2 and will comply with the Special Provisions listed in STEP 4.

**STEP 6**

**Read the certification and sign and date.**

**Certification (for designated representatives or alternate designated representatives only)**

I am authorized to make this submission on behalf of the owners and operators of the affected source and affected unit 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 **Karen C. Alford** | Title **Interim Assist. General Mgr., Energy Supply** |
| Company Owner Name **City of Gainesville, Gainesville Regional Utilities** | |
| Phone **352-393-1730** | E-mail Address **alfordkc@gru.com** |
| Signature Karen C. Alford | Date 4/30/08 |

DEP Form No. 62-210.900(1)(d) - Form
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