Florida Department of Environmental Protection

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2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE

Duke Energy Florida (DEF), LLC.
7700 County Road 555
Bartow, Florida 33830

Authorized Representative:
Mr. Mark Gillespie, Station Manager

Air Permit No. 1050234-024-AC
Permit Expires: 8/31/2017
Minor Air Construction Permit
Hines Energy Complex
FSNL Testing

PROJECT

This is the final air construction permit, which clarifies that the continuous emissions monitoring system (CEMS) data collected during Full Speed – No Load (FSNL) testing on all four power blocks, done as a part of normal maintenance procedures, can be excluded from the compliance averages. The clarification is for the existing Hines Energy Complex, which is a Power Plant categorized under Standard Industrial Classification No. 4911. The existing facility is located in Polk County at 7700 County Line Road 555 in Bartow, Florida. The UTM coordinates of the existing facility are Zone 17, 414.4 kilometers (km) East, and 3073.9 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida

David Lyle Read, P.E.

David Lyle Read, P.E.
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For:

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

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Construction Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. Mark Gillespie, DEF: mark.gillespie@duke-energy.com
Mr. Chris Bradley, DEF: chris.bradley@duke-energy.com
Mr. Michael Ballenger, Trinity Consultants: mballenger@trinityconsultants.com
Southwest District: SWD_Air@dep.state.fl.us
Southwest District: SWD_Air_Permitting@dep.state.fl.us
DEP Siting Office: SCO@dep.state.fl.us
Ms. Ana Oquendo, EPA Region 4: Oquendo.Ana@epa.gov
Ms. Natasha Hazziez, EPA Region 4: hazziez.natasha@epa.gov
Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Lynn Scearce

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FACILITY DESCRIPTION

Duke Energy Florida (DEF), LLC. owns and operates Hines Energy Complex, a nominal 2,090 megawatt (MW) electric generating facility in Bartow, Florida. The facility consists of four power blocks (1, 2, 3 and 4), each with combustion turbines and heat recovery steam generators (HRSG).

- Power Block 1 consists of two combined cycle combustion turbines (CT) with unfired HRSG for a nominal total of 500 MW, and a 97,570-barrel fuel oil storage tank. Emissions from each CT and HRSG combination are vented through a single stack.
- Power Block 2 consists of two CTs with unfired HRSG, and an associated single steam-turbine electrical generator, for a nominal total of 530 MW. Emissions from each CT and HRSG combination are vented through a single stack.
- Power Block 3 consists of two CTs with unfired HRSG, and an associated single steam-turbine electrical generator, for a nominal total of 530 MW. Emissions from each CT and HRSG combination are vented through a single stack.
- Power Block 4 consists of two CTs with unfired HRSG, and an associated single steam-turbine electrical generator, for a nominal total of 530 MW. Emissions from each CT and HRSG combination are vented through a single stack.

Each combustion turbine can burn natural gas or No. 2 fuel oil with natural gas as the primary fuel and No. 2 fuel oil as the back-up fuel. Emissions of oxides of nitrogen (NO_X) are mitigated by dry low NO_X burners for natural gas firing and a water injection system for oil firing, and controlled with selective catalytic reduction (SCR).

The facility consists of the following Emissions Units (EUs):

EU No.	Brief Description
001	170 MW Westinghouse 501FC CT1A with unfired HRSG
002	170 MW Westinghouse 501FC CT1B with unfired HRSG
014	170 MW Westinghouse 501FD CT2A with unfired HRSG
015	170 MW Westinghouse 501FD CT2B with unfired HRSG
016	170 MW Westinghouse 501FD CT3A with unfired HRSG
017	170 MW Westinghouse 501FD CT3B with unfired HRSG
018	170 MW General Electric Model 7FA CT4A with unfired HRSG
019	170 MW General Electric Model 7FA CT4B with unfired HRSG
004	Clarke Diesel Fire Pump
021	Communications Tower Emergency Engine

PROPOSED PROJECT

The applicant submitted an application to the Department requesting clarification to the CEMS data exclusion condition pertaining to all four power blocks. Specifically, DEF requests that CEMS data collected during FSNL testing, done as a part of normal maintenance procedures be excluded from the compliance averages.

The following emissions units will be affected by this project.

EU No.	Description
001	170 MW Westinghouse 501FC CT1A with unfired HRSG
002	170 MW Westinghouse 501FC CT1B with unfired HRSG

EU No.	Description
014	170 MW Westinghouse 501FD CT2A with unfired HRSG
015	170 MW Westinghouse 501FD CT2B with unfired HRSG
016	170 MW Westinghouse 501FD CT3A with unfired HRSG
017	170 MW Westinghouse 501FD CT3B with unfired HRSG
018	170 MW General Electric Model 7FA CT4A with unfired HRSG
019	170 MW General Electric Model 7FA CT4B with unfired HRSG

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility operates units subject to the acid rain provisions of the Clean Air Act.
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.
- The facility operates units subject to the Standards of Performance for New Stationary Sources (NSPS) pursuant to 40 Code of Federal Regulations (CFR) Part 60.
- The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) pursuant to 40 CFR Part 63.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Office of Permitting and Compliance mailing address is 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District at: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Common Testing Requirements).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(3) & (4), 62-4.080 & 62-210.300(1), F.A.C.]

Note: Changes to permit conditions are highlighted in yellow with deletion in ~~strikethrough~~ text and additions in double underlined text.

A. EUs 001 and 002, Power Block 1

This section of the permit addresses the following emissions units.

EU No.	Emission Unit Description
001	170 MW Westinghouse 501FC CT1A with unfired HRSG
002	170 MW Westinghouse 501FC CT1B with unfired HRSG

Emission units 001 and 002 each consist of a combined cycle Westinghouse 501FC Combustion Turbine, each with a nominal generator rating of 170 MW and each with a maximum heat input rating of 1,915 MMBtu/hr based on high heating value (HHV) while firing natural gas, and 2,020 MMBtu/hr based on HHV while firing fuel oil, based on a compressor inlet air temperature of 59ºF, the HHV of each fuel, and 100% load. NO_X emissions are controlled with dry low NO_X burners and Selective Catalytic Reduction (SCR) for natural gas firing and wet injection for fuel oil firing. Each combustion turbine incorporates an unfired HRSG. Steam from both HRSGs is delivered to a single steam turbine-electrical generator, which has a generating capacity of 160 MW. The total generating capacity of the "2-on-1" combined cycle unit is approximately 500 MW. Stack Parameters: height = 125 feet (ft), exit diameter = 19.0 ft, exit temperature = 190°F., and flow rate = 1,009,500 actual cubic feet per minute (acfm).

{Permitting notes: These emissions units are regulated under Acid Rain, Phase II; 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)41., F.A.C.; Rule 212.400(5), F.A.C., Prevention of Significant Deterioration; PSD-FL-195 & revisions; PPSA: PA 92-33; and, Rule 62-212.400, F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

PERMITS BEING MODIFIED

Permit No. 1050234-018-AC/PSD-FL-195E

2. Section 2, Specific Condition 2

   2. Excess Emissions:

      a. *Allowable Excess Emissions:* Excess emissions resulting from startup, shutdown, or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period except in the event that the steam turbine has been shut down for 8 hours or more. During a cold start-up to combined cycle operation, up to four hours of excess emissions are allowed in a 24-hour period. Cold start-up is defined as a start-up to combined cycle operation following a steam turbine shutdown of greater than 48 hours. During a warm start up to combined cycle operation, up to three hours of excess emissions are allowed in a 24-hour period. Warm start-up is defined as a startup to combined cycle operation following a steam turbine of greater than 8 hours and less than 48 hours. During fuel switches (oil-to-gas or gas-to-oil), up to two (2) hours of excess emissions per fuel switch per emissions unit are allowed.

      b. *DLN Tuning:* CEMS data collected during initial or other major DLN tuning sessions shall be excluded from the CEMS compliance demonstration provided the tuning session is performed in accordance with the manufacturer's specifications. A "major tuning session" would occur after completion of initial construction, a combustor change-out, a major repair or maintenance to a combustor, or circumstances as identified or requested by the equipment vendor. Prior to performing

any major tuning session, the permittee shall provide the Department's Southwest District Compliance Authority with an advance notice that details the activity and proposed tuning schedule. The notice may be by telephone, facsimile transmittal, or electronic mail.

c. *Full Speed No Load Testing:* As a periodic maintenance practice, the permittee may perform full speed no load tests with the combustion turbine generator in accordance with the manufacturer's recommendations (or industry standards). An example of work that may require full speed no load testing includes, but is not limited to, testing and commissioning of synchronizing instrumentation, transformers and generation equipment to assure safe and reliable connection to the bulk electric system.

[Application No. 1050234-024-AC; and Rules 62-4.070(3), 62-210.200(PTE) and 62-210.700(1), F.A.C.]

B. EUs 014 and 015, Power Block 2

This section of the permit addresses the following emissions units.

EU No.	Emission Unit Description
014	170 MW Westinghouse 501FD CT2A with unfired HRSG
015	170 MW Westinghouse 501FD CT2B with unfired HRSG

Emission units 014 and 015 each consist of a combined cycle Westinghouse 501FD Combustion Turbine, each with a nominal generator rating of 170 MW and each with a maximum heat input rating of 2,048 MMBtu/hr (HHV), while firing natural gas, and 2,155 MMBtu/hr (HHV), while firing fuel oil, based on a compressor inlet air temperature of 59ºF, the HHV of each fuel, and 100% load. NO_X emissions are controlled with DLN for natural gas firing and wet injection for fuel oil firing, complete with SCR. Each combustion turbine incorporates an unfired HRSG. Steam from both HRSGs is delivered to a single steam turbine-electrical generator, which has a generating capacity of 190 MW. The total generating capacity of the "2-on-1" combined cycle unit is approximately 530 MW.

The efficient combustion of natural gas and restricted firing of low sulfur distillate oil minimizes the emissions of carbon monoxide (CO), particulate matter (PM), PM with a mean diameter of 10 microns or less (PM_{10}), sulfuric acid mist (SAM), sulfur dioxide (SO_2) and volatile organic compounds (VOC). DLN combustion technology for gas firing and water injection for oil firing reduce NO_X emissions. An SCR system – in combination with DLN combustion technology for gas firing and a water injection system for oil firing – reduces NO_X emissions. The HRSGs are designed and constructed such that an oxidation catalyst can be readily installed if necessary to achieve compliance with CO emission limitations.

Each HRSG has a stack that is 125 feet tall and 19 feet in diameter. Each stack is equipped with CEMS to measure and record CO and NO_X emissions as well as flue gas O_2 or CO_2 content.

{Permitting notes: These emissions units are regulated under Acid Rain, Phase II; 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)41, F.A.C.; Rule 212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); PSD-FL-296 & revisions; and PPSA: PA 92-33; and, Rule 62-212.400, F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

PERMITS BEING MODIFIED

Permit No. 1050234-018-AC/PSD-FL-296D

2. Section 2, Specific Condition 3.a.

   3.a. CEMS Data Exclusion ~~– DLN Tuning~~:

   (1) *DLN Tuning:* CEMS data collected during initial or major DLN tuning sessions shall be excluded from the CEMS compliance demonstration provided the tuning session is performed in accordance with the manufacturer's specifications. A "major tuning session" would occur after completion of initial construction, a combustor change-out, a major repair or maintenance to a combustor, or circumstances as identified or requested by the equipment vendor. Prior to performing any major tuning session, the permittee shall provide the Department's Southwest District Compliance Authority with an advance notice that details the activity and proposed tuning schedule. The notice may be by telephone, facsimile transmittal, or electronic mail.

(2) *Full Speed No Load Testing:* As a periodic maintenance practice, the permittee may perform full speed no load tests with the combustion turbine generator in accordance with the manufacturer's recommendations (or industry standards). An example of work that may require full speed no load testing includes, but is not limited to, testing and commissioning of synchronizing instrumentation, transformers and generation equipment to assure safe and reliable connection to the bulk electric system.

[Application No. 1050234-024-AC; and Rules 62-4.070(3), 62-210.200(PTE) and 62-210.700(1), F.A.C.]

C. EUs 016 and 017, Power Block 3

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

E.U. No.	Brief Description of Power Block 3
016	170 MW Westinghouse 501FD CT3A with unfired HRSG
017	170 MW Westinghouse 501FD CT3B with unfired HRSG

Emission units 016 and 017 are each a Siemens Westinghouse 501 FD gas turbine-electrical generator set with an automated gas turbine control system and an unfired HRSG. Each of the gas turbine-electrical generator sets has a generating capacity of 170 MW for gas firing. Each gas turbine fires natural gas as the primary fuel and distillate oil as a restricted alternate fuel. Steam from both HRSGs is delivered to a single steam turbine-electrical generator, which has a generating capacity of 190 MW. The total generating capacity of the "2-on-1" combined cycle unit is approximately 530 MW. The maximum heat input rate is based on the HHV of the fuel, which is 2,048 MMBtu/hr, while firing natural gas, and 2,155 MMBtu/hr, while firing fuel oil, based on a compressor inlet air temperature of 59ºF, and 100% load.

The efficient combustion of natural gas and restricted firing of low sulfur distillate oil minimizes the emissions of CO, PM/PM_{10}, SAM, SO_2 and VOC. DLN combustion technology for gas firing and water injection for oil firing reduce NO_X emissions. SCR system – in combination with DLN combustion technology for gas firing and a water injection system for oil firing – reduces NO_X emissions. The HRSGs are designed and constructed such that an oxidation catalyst can be readily installed if necessary to achieve compliance with CO emission limitations.

Each HRSG has a stack that is 125 feet tall and 19 feet in diameter. Each stack is equipped with CEMS to measure and record CO and NO_X emissions as well as flue gas O_2 or CO_2 content.

{Permitting Notes: These emissions units are regulated under Acid Rain, Phase II; 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)41, F.A.C.; Rule 212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); PSD-FL-330 & revisions; and, Rule 62-212.400, F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

PERMITS BEING MODIFIED

Permit No. 1050234-018-AC/PSD-FL-296D

2. Section 2, Specific Condition 4.a.

   4.a. CEMS Data Exclusion ~~– DLN Tuning~~:

   (1) *DLN Tuning*: CEMS data collected during initial or major DLN tuning sessions shall be excluded from the CEMS compliance demonstration provided the tuning session is performed in accordance with the manufacturer's specifications. A "major tuning session" would occur after completion of initial construction, a combustor change-out, a major repair or maintenance to a combustor, or circumstances as identified or requested by the equipment vendor. Prior to performing any major tuning session, the permittee shall provide the Department's Southwest District Compliance Authority with an advance notice that details the activity and proposed tuning schedule. The notice may be by telephone, facsimile transmittal, or electronic mail.

   (2) *Full Speed No Load Testing:* As a periodic maintenance practice, the permittee may perform full speed no load tests with the combustion turbine generator in accordance with the manufacturer's

recommendations (or industry standards). An example of work that may require full speed no load testing includes, but is not limited to, testing and commissioning of synchronizing instrumentation, transformers and generation equipment to assure safe and reliable connection to the bulk electric system.

[Application No. 1050234-024-AC; and Rules 62-4.070(3), 62-210.200(PTE) and 62-210.700(1), F.A.C.]

D. EUs 018 and 019, Power Block 4

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

E.U. No.	Brief Description of Power Block 4
018	170 MW General Electric Model 7FA CT4A with unfired HRSG
019	170 MW General Electric Model 7FA CT4B with unfired HRSG

Emission units 018 and 019 each consist of a General Electric Model 7FA gas turbine-electrical generator set, an automated gas turbine control system, and a HRSG. In addition, Power Block 4 also includes a single steam turbine-electrical generator that serves both gas turbine/HRSG systems. Each gas turbine fires natural gas as the primary fuel and distillate oil as a restricted alternate fuel. Each of the gas turbine-electrical generator sets has a generating capacity of 170 MW for gas firing. Exhaust from each gas turbine passes through a separate HRSG unit. Steam from both HRSG units is delivered to the single steam turbine-electrical generator, which has a generating capacity of 190 MW. The total generating capacity of the "2-on-1" combined cycle unit is approximately 530 MW.

The efficient combustion of natural gas and restricted firing of low sulfur distillate oil minimizes the emissions of CO, PM/PM_{10}, SAM, SO_2 and VOC. DLN combustion technology for gas firing and water injection for oil firing reduce NO_X emissions. SCR system – in combination with DLN combustion technology for gas firing and a water injection system for oil firing – reduces NO_X emissions. The HRSG units are designed and constructed such that an oxidation catalyst can be readily installed if necessary to achieve compliance with CO emission limitations.

Each HRSG has a stack that is 125 feet tall and 18 feet in diameter. Each stack is equipped with CEMS to measure and record CO and NO_X emissions as well as flue gas O_2 or CO_2 content.

{Permitting Notes: These emissions unit are regulated under Acid Rain, Phase II; 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)41, F.A.C.; Rule 212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); PSD-FL-342 & revisions; and, Rule 62-212.400, F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

PERMITS BEING MODIFIED

Permit No. 1050234-018-AC/PSD-FL-296D

2. Section 2, Specific Condition 5.a.

   5.a. CEMS Data Exclusion ~~– DLN Tuning~~:

   (1) *DLN Tuning*: CEMS data collected during initial or major DLN tuning sessions shall be excluded from the CEMS compliance demonstration provided the tuning session is performed in accordance with the manufacturer's specifications. A "major tuning session" would occur after completion of initial construction, a combustor change-out, a major repair or maintenance to a combustor, or circumstances as identified or requested by the equipment vendor. Prior to performing any major tuning session, the permittee shall provide the Department's Southwest District Compliance Authority with an advance notice that details the activity and proposed tuning schedule. The notice may be by telephone, facsimile transmittal, or electronic mail.

   (2) *Full Speed No Load Testing:* As a periodic maintenance practice, the permittee may perform full speed no load tests with the combustion turbine generator in accordance with the manufacturer's

recommendations (or industry standards). An example of work that may require full speed no load testing includes, but is not limited to, testing and commissioning of synchronizing instrumentation, transformers and generation equipment to assure safe and reliable connection to the bulk electric system.

[Application No. 1050234-024-AC; and Rules 62-4.070(3), 62-210.200(PTE) and 62-210.700(1), F.A.C.]