FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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Gulf Power Company
One Energy Place
Pensacola, Florida 32520-0328

Air Permit No. 0050014-026-AC
Minor Air Construction Permit
Lansing Smith Electric Generating Plant
Starter Fuel Heat Input Correction

Authorized Representative:
Mr. Michael Burroughs, Vice-President, Power Generation

PROJECT

This is the final air construction permit, which revises Permit No. 0050014-011-AC for the following items: Correction for the No. 2 fuel oil heat input rated capacity during startup, shutdown and flame stabilization for Unit 001 and Unit 002. Lansing Smith Electric Generating Plant is a power plant categorized under Standard Industrial Classification No. 4911. The existing facility is located in Bay County at 4300 County Road 2300, Lynn Haven, Florida 32409. The UTM Coordinates are: Zone 16; 623.74 Kilometer (km) East and 3349.11 km North. Latitude is: 30° 16' 8.4566" North; and, Longitude is: 85° 42' 2.4149" West.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions). As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft 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.). 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. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

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 L. Read, P.E.
2015.01.09
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for: Jeffery F. Koerner, 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 Permit package (including the Final Determination and Final Permit Revision) 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. Michael Burroughs, Gulf Power Company: mlburrou@southernco.com
Mr. G. Dwain Waters, Gulf Power Company: gdwaters@southernco.com
Mr. Gregory Terry, P.E., Gulf Power Company: gnterry@southernco.com
Mr. Armando Sarasua, DEP Northwest District Office: armando.sarasua@dep.state.fl.us
Ms. Alisa Coe, Earth Justice: acoe@earthjustice.org
Ms. Heather Ceron, EPA Region 4: ceron.heather@epa.gov
Ms. Lorinda Shepherd, EPA Region 4: shephard.lorinda@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

2015.01.09
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FACILITY DESCRIPTION

The existing facility consists of two coal fired steam generators (boilers), a Pratt & Whitney Twin-Pac combustion turbine peaking unit, and two gas-fired combined-cycle combustion turbine electrical generators with duct-fired heat recovery steam generators (HRSG). The two boilers, Units 1 and 2, are Acid Rain Phase II Units. The two boilers are also regulated under the Clean Air Interstate Rule (CAIR) and 40 CFR 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal-and Oil-Fired Electric Utility Steam Generating Units. The two combined-cycle combustion turbines are Acid Rain and CAIR units. Pulverized coal is the primary fuel for the boilers. Distillate fuel oil is used to fire the Twin-Pac combustion turbine and as a "back-up" fuel for the boilers. Natural gas is the only fuel allowed to be fired in the two combined-cycle combustion turbines. The facility also has emergency reciprocating internal combustion engines which are regulated under 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE) and/or 40 CFR 60, Subpart IIII, NSPS for Stationary Compression Ignition RICE adopted in Rules 62-204.800(11)(b), F.A.C. & 8(b), F.A.C., respectively.

Summary of Emissions Units

EU No.	Brief Description
Regulated Emissions Units	
001	Boiler Number 1 - 1,944.8 MMBtu/hour (Phase II Acid Rain and CAIR Unit)
002	Boiler Number 2 - 2,246.2 MMBtu/hour (Phase II Acid Rain and CAIR Unit)
003	Combustion Turbines A and B - 542 MMBtu/hour Peaking Unit (CAIR Unit)
004	170 MW Gas Combustion Turbine with HRSG and Duct Burner (Acid Rain and CAIR Unit)
005	170 MW Gas Combustion Turbine with HRSG and Duct Burner (Acid Rain and CAIR Unit)
006	Cooling Tower
009	General Purpose Internal Combustion Engines
011	165 HP Emergency Diesel Sump Pump
012	550 HP Emergency Diesel Generator at CCCT
013	153 HP Emergency Diesel Sump Pump
014	394 HP Emergency Diesel Generator - Units 1&2
Unregulated Emissions Units and Activities	
007	Material Handling of Coal and Ash
008	Fugitive PM Sources - On-site Vehicles

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

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 (CAA).
- 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(PSD), F.A.C.

- The facility operates units that are subject to the New Source Performance Standards (NSPS) at 40 Code of Federal Regulations, Part 60 (40 CFR 60), and the National Emissions Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR 63.

PROPOSED PROJECT

This project will revise a specific condition of previously issued air construction permit No. 0050014-011-AC, for Units 001 and 002. As part of the project to renew the Title V air operation permit (Project No. 0050014-025-AV), the applicant has requested changes to Title V air operation permit conditions. These requested changes related to the correction of the No. 2 fuel oil heat input rated capacity during startup, shutdown and flame stabilization for Unit 001 and Unit 002. These changes required revisions to the underlying air construction permit conditions, which are explained below.

This permit does not authorize any new construction or increases in emissions limits. This permit supplements all existing valid air permits. Except as specified below, the permittee shall continue to comply with all applicable conditions from valid air construction and operation permits. The proposed project involves no physical changes and no obvious operational changes to the facility. It does not involve any maintenance, repair or replacement tasks. [Rule 62-4.070, F.A.C.]

The following conditions of previous permits are revised as indicated below. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with yellow highlight for ease of location.

PERMIT MODIFICATIONS

1. Permit Being Modified: Permit No. 0050014-011-AC

   Affected Emissions Units: EU 001 and EU 002.
   Specific Condition 2: This condition is revised as follows.

   2. To establish the method for demonstrating compliance with the permitted capacity on Units 1 and 2, as the use of the on-site composite fuel samples, the following condition is added.

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

Unit No.	MMBtu/hr Heat Input	Fuel Type
001	1,944.8	Coal
	~~153~~ 316	No. 2 Fuel Oil
	~~153~~ 316	On-Specification Used Oil
002	2,246.2	Coal
	~~76~~ 205	No. 2 Fuel Oil
	~~76~~ 205	On-Specification Used Oil

   Note: When a blend of fuels is fired, the heat input shall be prorated based on the percent heat input of each fuel.
   Compliance with the above heat input limitations shall be demonstrated solely through the use of the composite fuel samples taken by on-site personnel. Records of the composite samples (typically taken daily as-fired for solid fuel and per shipment (after blending) for liquid fuel) shall be maintained on-site for a period of five years and shall be made available for Department inspection upon request. [Applicant Request; and, Rule 62-4.070, F.A.C.]

2. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070, F.A.C.]