



Florida Department of Environmental Protection

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PERMITTEE

Florida Power & Light Company (FPL)
700 Universe Boulevard
Juno Beach, Florida 33408

Authorized Representative:
Rudy Sanchez, Turkey Point General Manager

Air Permit No. 0250003-018-AC
Permit Expires: 7/01/2014
Air Construction Permit Revision
Turkey Point
BART Construction Permit

PROJECT

This is the final air construction permit, which revises Permit No. 0250003-008-AC and rescinds permit No. 0250003-016-AC, issued on December 20, 2011. This revision makes minor changes to the Best Available Retrofit Technology (BART) construction permit for Unit 1 and Unit 2 emission controls which is necessary for sulfur dioxide and nitrogen oxides. Turkey Point Power Plant is a plant categorized under Standard Industrial Classification No. 4111. The existing facility is located in Dade County at 9700 SW 344th Street, Homestead, Florida. The UTM coordinates are Zone 17, 567.4 km East and 2,813.5 km North. The facility is an existing oil and natural gas-fired power plant. This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions).

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 revision 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

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

PERMIT REVISION

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. Rudy Sanchez, FPL: rudysanchez@fpl.com
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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.

SECTION 2. PERMIT REVISIONS

FACILITY DESCRIPTION

The existing facility is a power plant, which consists of the following emissions units and activities: The facility includes two 440 MW boilers (Units 1 and 2), one natural gas-fueled 1,150 MW combined cycle unit (Unit 5) and supporting equipment.

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 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 BART-eligible units subject to Rule 62-296.340 (BART), F.A.C.

PROPOSED PROJECT

FPL has placed one of the Turkey Point fossil fuel-fired boilers, Unit 2, on “Inactive Reserve” status and the unit will be permanently shut down as part of FPL’s BART control strategy by December 31, 2013. In addition, FPL has agreed to limit Unit 1 operation to a capacity factor of no more than 25% on fuel oil with no capacity factor limits on firing natural gas. The former BART determination (Permit 0250003-008-AC) for particulate matter required an upgrade of the multi cyclone dust collectors to meet an emission limit of 0.07 lb/MMBtu for PM. FPL has determined that they are able to meet the PM emission with the existing multi-cyclone dust collectors.

The following permit conditions are revised as indicated. ~~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.

Permit Being Revised: Permit No. 0250003-008-AC

Affected Emissions Units: Fossil Fuel Steam Generator Units 1 and 2 (EU Numbers 001 and 002).

Subsection 3, Specific Condition 1: This condition is revised as follows.

1. ~~Particulate Controls~~ BART Emission Reduction Strategy: As soon as practicable, but not later than December 31, 2013, the permittee shall permanently shut down Unit 2 and limit fuel oil firing on Unit 1 to 8,760,000 MMBtu/year heat input, which is equivalent to a capacity factor of 25% for fuel oil firing. ~~replace the existing multi cyclones on these units with new state-of-the-art multi cyclones.~~

[Rule 62-296.340 (BART), F.A.C. and Application No. 0250003-018-AC]