DRAFT PERMIT REVISION

PERMITTEE

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

Authorized Representative:
Rudy Sanchez, Turkey Point General Manager

Air Permit No. 0250003-016-AC
Permit Expires: ~~7/01/2014~~
12/31/2017
Air Construction Permit Revision
Turkey Point
BART Construction Permit Revision

PROJECT

This is the final air construction permit, which revises Permit No. 0250003-008-AC for the following items. 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 since Unit 2 is currently shut down and is expected to be on Inactive Reserve for an extended period. The expiration date is extended to 12/31/2017 to allow time for construction of BART controls on units that were shut down. 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

(DRAFT)

_____ _____

Jeffery F. Koerner, Administrator (Date)
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 _____(DRAFT)_____ to the persons listed below.

Mr. Rudy Sanchez, FPL: Rudy_Sanchez@fpl.com
Mr. Kevin Washington, FPL: Kevin_Washington@fpl.com
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Ms. Lynn Scearce, DEP – OPC: lynn.scearce@dep.state.fl.us (for reading file)

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.

(DRAFT)

_____ _____
(Clerk) (Date)

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 is not expected to be used for an extended period. The recently issued BART construction permit required FPL to install particulate controls by the end of 2013 on both units and this action delays this requirement for units placed on "Inactive Reserve" status until it is started again on fuel oil. This action clarifies the construction permit conditions and states that BART controls for particulate matter are not required for units that are shut down or not operating on fuel oil. One of the BART control options currently in the construction permit for these boilers is to exclusively fire natural gas where no add-on particulate controls are necessary. This minor revision simply adds language that allows another obvious option, the shutdown of a boiler (placement on Inactive Reserve) to also satisfy the BART control requirements in order to protect visibility in the region.

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: As soon as practicable, but not later than December 31, 2013, the permittee shall replace the existing multi-cyclones on these units with new state-of-the-art multi-cyclones. For a unit placed on "Inactive Reserve" prior to December 31, 2013, new state of the art multi-cyclones shall be installed before reactivation of the unit on fuel oil. Otherwise, the unit shall be restricted to 100% natural gas firing until the new state-of the art multi-cyclones are installed. [Rule 62-296.340 (BART), F.A.C. and Application No. 0250003-008-AC and Applicant Request]

Subsection 3, Specific Condition 15: This condition is revised as follows.

BART Alternative Permit Application: As an alternative to the emission controls and SO_2 and PM limits in conditions 4 and 5, above, not later than 12/31/~~2011~~ 2012, for operating units, or 12/31/2017 for units on "Inactive Reserve", FPL may submit an application requesting to either: repower Units 1 and 2 with natural gas-fired combustion turbines, burn only natural gas in units 1 and 2 and meet a PM emissions limit of 0.05 lb/MMBtu, or permanently shut down Units 1 and 2. [Rule 62-296.340, F.A.C.]