Project Information

Permit Renewal No. 1050221-016-AV
Title V Air Operation Permit Renewal

Auburndale Power Partners Plant
Facility ID No. 1050221

The plant is located in Polk County at 1501 West Derby Avenue, Auburndale, Florida. It is owned and operated by Auburndale Power Partners, L.P. The nominal generating capacity of the plant is 156 megawatts (MW).

Facility Description

The Auburndale Power Partners Plant consists of the following emissions units:

EU No.	Brief Description
001	This emissions unit is a nominal 156 MW combined cycle unit consisting of a combustion turbine-electrical generator set rated at 121.5 MW, an unfired heat recovery steam generator (HRSG) and a nominal 52 MW steam turbine-electrical generator set.
002	Fuel oil storage tanks
003	Emergency generators
004	Heating units and engines
005	Surface coating operations

The facility also operates other miscellaneous unregulated and insignificant emissions units and activities.

Regulatory Classifications

The facility is subject to the following primary regulatory classifications and applicable state regulations of the Florida Administrative Code (F.A.C.) as well as the federal New Source Performance Standards (NSPS) in the Code of Federal Regulations (CFR).

- The facility is a Title V major source in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source pursuant to Rule 62-212.400, F.A.C., for the Prevention of Significant Deterioration (PSD).
- The facility operates a unit subject to Phase II of the federal Acid Rain Program.
- The facility is not a major source of hazardous air pollutants.
- The combustion turbine is regulated under the NSPS Subpart A (General Provisions) and Subpart GG (Standards of Performance for Stationary Gas Turbines) in 40 CFR 60.
- The facility is subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.
- Although the combustion turbine uses an add-on wet injection system to control nitrogen oxide (NO_X) emissions when firing oil, a Compliance Assurance Monitoring (CAM) plan is not required because the unit demonstrates compliance with the NO_X standards by data collected from the continuous emissions monitoring system.

Project Review

Purpose

On March 2, 2010, the applicant submitted an application to revise the facility's current Title V air operation permit (1050221-014-AV) to reflect the retention of portions of the facility by the Calpine Corporation. To effect this change, all specific conditions related to Calpine Corporation's responsibilities were deleted from Auburndale Power Partners, L.P.'s Title V permit. Specifically, references to the Auburndale Peaking Energy Center (one simple cycle combustion turbine-electrical generator set) and the Osprey Energy Center (two combined cycle combustion turbine-electrical generator sets) were removed.

Specific Condition **A.12.** was changed to remove obsolete language and make corrections to accurately reflect the underlying air construction permit language requirements. Detailed changes to this specific condition are noted in the draft/proposed permit renewal document – ~~strikethrough~~ indicates deletions of text and double underline indicated additions of text.

Conclusion

Based on reasonable assurances of compliance provided by the applicant and the Responsible Official's certification of compliance, the Department will issue the Title V air operation permit renewal under the provisions of Chapter 403, Florida Statutes (F.S.) and F.A.C. Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296 and 62-297. The permit authorizes operation of the facility shown on the application and approved drawings, plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit renewal.