



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

Permittee:

Calpine Construction Finance Company, LP
Auburndale Power Partners, L.P.
Auburndale Peaker Energy Center, LLC

FINAL Permit No.: 1050221-009-AV

Facility ID No.: 1050221

SIC Nos.: 49, 4911

Project: Title V Air Operation Permit Revision

This final permit revision is being issued for the purpose of incorporating the terms and conditions of the air construction permit Nos. 1050334-001-AC (PSD-FL-287), for two (2) combined cycle combustion turbines, two (2) duct burners with Heat Recovery Steam Generators (HRSG), one (1) common nominal 200-MW steam generator, and one (1) cooling tower; 1050334-006-AC, issued on May 16, 2005 to modify 1050334-001-AC; 1050034-007-AC, issued on July 5, 2005 to modify 1050334-001-AC; and 1050221-010-AC to incorporate PSD modifications to previously issued Air Construction permits at the Auburndale Energy Complex. These facilities are located at 1501 Derby Avenue (Auburndale Power Plant and Auburndale Peak Energy Center) and 1651 Darby Avenue (Osprey Energy Center), Auburndale, Polk County; UTM Coordinates: Zone 17, 420.8 km East and 3103.3 km North; Latitude: 28° 83' 15" North and Longitude: 81° 48' 21" West.

This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213, and 62-214. The above named permittees are hereby authorized to perform the work or operate their facilities shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix I-1, List of Insignificant Emissions Units and/or Activities

Appendix U-1, List of Unregulated Emissions Units and/or Activities

APPENDIX TV-5, TITLE V CONDITIONS (version dated 4/5/05)

APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)

FIGURE 1 - SUMMARY REPORT-GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE (version dated 7/96)

TABLE 297.310-1, CALIBRATION SCHEDULE (version dated 10/07/96)

Phase II Acid Rain Application

W501D5 ECONOPAC SYSTEM PERFORMANCE GRAPH CURVE LABELED "POWER" -
FIGURE 2

Effective Date: ARMS Day 55

Renewal Application Due Date: July 5, 2007

Expiration Date: December 31, 2007

Michael G. Cooke, Director
Division of Air Resource Management

MGC/JFK/rlb

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