Gulf Power Company
Lansing Smith Electric Generating Plant

Title V Air Operation Permit Revision
Permit No. 0050014-022-AV

APPLICANT

The applicant for this project is the Gulf Power Company. The applicant's responsible official and mailing address are: Mr. Michael Burroughs, Vice-President, Power Generation, Gulf Power Company, Lansing Smith Electric Generating Plant, One Energy Place, Pensacola, Florida 32520-0328.

FACILITY DESCRIPTION

The applicant operates the existing Lansing Smith Electric Generating Plant, which is located in Bay County at 4300 County Road 2300, Southport, Florida. The existing facility consists of the following emissions units: 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 are Acid Rain Phase II Units. The two combined-cycle combustion turbines are Acid Rain units. Pulverized coal is the primary fuel for the boilers. Distillate fuel oil is used to fire the 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.

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

PROJECT DESCRIPTION

The purpose of this project is to revise Title V air operation permit No. 0050014-018-AV to incorporate a revised Acid Rain Phase II NO_X Averaging Plan for the existing Lansing Smith Electric Generating Station.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

We received the application for a Title V Air Operation Permit Revision on October 1, 2012. Application was deemed complete.

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is identified as a potential major source of hazardous air pollutants (HAP).

Title IV: The facility operates units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, Florida Administrative Code (F.A.C.).

PSD: The facility is a major stationary source of air pollution in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) in Title 40, Part 63, of the Code of Federal Regulations (40 CFR 63).

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) in 40 CFR 60.

CAIR: The facility is subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: Units 001 and 002 are subject to Compliance Assurance Monitoring (CAM) for controlled emissions of particulate matter (electrostatic precipitators). Unit 003 is not subject to CAM because there is no add-on control equipment. Units 004 and 005 have a selective non-catalytic reduction system, but are not subject to CAM because compliance is demonstrated by Continuous Emissions Monitoring Systems (CEMS) for nitrogen oxides.

PROJECT REVIEW

The purpose of this project is to revise the current Title V air operation permit to incorporate a revised Acid Rain

Phase II NO_X Averaging Plan for the existing Lansing Smith Electric Generating Station.

CONCLUSION

This project revises Title V air operation permit No. 0050014-018-AV, which was effective on January 1, 2010. This Title V air operation permit revision is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, 62-213 and 62-214, F.A.C.