Title V Air Operation Permit Revision
Permit No. 0850102-020-AV

APPLICANT

The applicant for this project is Indiantown Cogeneration, L.P. The applicant's responsible official and mailing address are: Todd Shirley, Projects General Manager, Indiantown Cogeneration, L.P., Indiantown Cogeneration Plant, P.O. Box 1799, 13303 SW Silver Fox Lane, Indiantown, Florida 34956.

FACILITY DESCRIPTION

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Louis Dreyfus Citrus Processing Plant. The facility includes one high-pressure pulverized coal (PC) main boiler rated at 3,422 million British thermal units (MMBtu)/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes. It commenced commercial operation in July, 1995.

The unit is equipped with low nitrogen oxides (NO_x) burners, overfire air, a steam coil air heater and air preheater, dual register burners and windbox design, a selective catalytic reduction system, spray dryer absorber, and fabric filter baghouse.

Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

PROJECT DESCRIPTION

The purpose of this permitting project is to revise the existing Title V permit for the above referenced facility. The revision will remove the Acid Rain provisions, currently contained in Subsection IV, and will renumber the remaining affected subsections of Title V permit 0850102-019-AV.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Initial Title V Air Operation Permit issued October 11, 1999
Title V Air Operation Permit Renewal issued January 1, 2010
Application for a Title V Air Operation Permit Revision received March 30, 2012

PRIMARY REGULATORY REQUIREMENTS

Standard Industrial Classification (SIC) Code: 4911 – Electrical Generation

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

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 Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 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.

Siting: Unit 1 was originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

CAM: The facility is subject to compliance assurance monitoring (CAM). Because continuous emissions monitors (CEMS) are used to demonstrate compliance with the applicable standards for NO_x and sulfur dioxide (SO_2), a CAM plan is not required for either the selective catalytic reduction (SCR) system, or the spray dryer absorber. However, a CAM plan is required for the fabric filter baghouse.

APPLICABLE REGULATIONS

In addition to federal rules above, this facility is subject to the following state rules:

APPLICABLE REGULATIONS	EU ID
Rule 62-4, F.A.C. (Permitting Requirements)	001, 002, 003, 004, 005, 006, 007
Rule 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)	
Rule 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)	
Rule 62-212, F.A.C. (Preconstruction Review, PSD Review and BACT)	
Rule 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)	
Rule 62-296, F.A.C. (Emission Limiting Standards)	
Rule 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	
Rule 62-214, F.A.C. (Requirements For Sources Subject To The Federal Acid Rain Program)	001
Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.	
PSD-FL-168 (Original construction permit number for the facility)	001, 002, 003, 004, 005, 006
PA90-31 (Power Plant Siting Case Number)	001

PROJECT REVIEW

The permittee had submitted simultaneous application to the Department and USEPA in the spring of 2009 to opt-in to the Acid Rain Program. The Acid Rain requirements were incorporated into Title V permit renewal 0850102-019-AV on January 1, 2010. The application was never acted upon by USEPA. The permittee withdrew the opt-in application for the facility on January 7, 2011 and the Department received USEPA confirmation of the withdrawal on April 17, 2012. This Title V revision removes Section IV from permit 0850102-019-AV and renumbers the remaining affected Sections and pages. No comments were received during the public comment period, or the EPA review period.

CONCLUSION

This project revises Title V air operation permit No. 0850102-019-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, and 62-213, F.A.C.