Title V Air Operation Permit Renewal
Permit No. 0090006-011-AV

APPLICANT

The applicant for this project is Florida Power & Light Company. The applicant's responsible official and mailing address are: Mr. Jonathan Napoli, Plant General Manager, Cape Canaveral Energy Center, 700 Universe Boulevard, Juno Beach, Florida 33408.

FACILITY DESCRIPTION

The applicant operates the existing Cape Canaveral Energy Center, which is located in Brevard County on the West side of the Indian River, approximately eight miles North of Cocoa, Florida on U.S. Highway One.

This facility includes the following emissions units:

- Combined Cycle Unit 3 which is comprised of emissions units (EU) 009, 010, and 011. Each EU consists of: a combustion turbine generator (CTG) with automated control, inlet air filtration system and evaporative cooling, a gas-fired heat recovery steam generator (HRSG) with duct burner (DB), a HRSG stack, and associated support equipment. The unit also includes one steam turbine generator (STG) that serves the combined cycle units.
- Two nominal 3,000 kilowatt (kW) liquid fueled emergency generators; Caterpillar C175; 6 MW. This is EU 015.
- One emergency diesel fire pump engine (315 hp) and a nominal 500 gallon fuel oil storage tank; John Deere; Model Number JU6H-UFAD98. This is EU 016.

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility.

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not identified as a 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 62-213, 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.

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

PROJECT REVIEW

The application was received on April 4, 2014, and deemed complete. The most recent Title V permit revision was issued by the Department on March 21, 2014. In this Title V renewal application no changes were requested. This permit renewal is essentially unchanged from the last revision.

CONCLUSION

This project renews Title V air operation permit No. 0090006-006-AV, which was effective on January 1, 2010. This Title V air operation permit renewal 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.