Title V Air Operation Permit Renewal
Permit No. 0510030-004-AV

APPLICANT

The applicant for this project is Lee County Board of County Commissioners, Lee County Solid Waste Division. The applicant's responsible official and mailing address are: Mr. Lindsey J. Sampson, Director, Lee County Solid Waste Division, 10500 Buckingham Road, Fort Myers, FL 33905.

FACILITY DESCRIPTION

The applicant operates the existing Lee/Hendry County Regional Solid Waste Disposal Facility, which is located at 5500 Church Road, Felda, Florida in Hendry County, Florida.

The facility is an existing Class I and Class III landfill with a design capacity of 3.86 million megagrams by mass. The facility is subject to the permitting requirements of Title 40 Code of Federal Regulations (CFR) Part 70 or Part 71, since the landfill capacity is now equal to or greater than 2.5 million megagrams by mass and 2.5 million cubic meters by volume. Based upon the application the nonmethane organic compound (NMOC) emission rate is calculated to be less than 50 megagrams per year. This facility is authorized to accept asbestos waste material. The facility has no control equipment. Control equipment shall be required in accordance with 40 CFR 60 Subpart WWW when the NMOC emission rate is greater than 50 megagrams per year.

The facility consists of a 38-acre Class I Landfill, 25-acre Class III Landfill, 16-acre Ash Monofill, composting facility, and various ancillary facilities including stormwater management system, leachate surface impoundments, office, leachate deep injection well, and scale house. FLDEP Solid Waste Program issued Permit No. 0130719-016-SC/00 on November 20, 2013, for the 20-acre lateral expansion of the Ash Monofill. The design capacity of the landfill including the 20-acre expansion is 5.92 million megagrams.

The facility has a Kohler Model 180REOZJD Diesel Emergency Generator, used to provide power to the facility during outages. This engine was manufactured in 2009. The engine is subject to the requirements of 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ and is classified as a new emergency CI engine by the subpart.

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

PROJECT DESCRIPTION

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

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Initial Title V Air Operation Permit Issued **July 13, 2009**
Title V Air Operation Renewal Application Received **November 27, 2013**

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility does not operate units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is not 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 Code of Federal Regulations (CFR) 60.

NESHAP: The facility operates an emergency back-up generator subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

Siting: The emission unit was not originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility. There is no control equipment at the facility.

PROJECT REVIEW

Changes to the permit made as part of this renewal is:

The emergency back-up powered generator is a Kohler Model 180REOZJD Diesel Emergency Generator, used to provide power to the facility during outages. This engine was given new Emissions Unit ID: 002 Kohler Diesel Emergency Generator. The engine is subject to the requirements of 40 CFR 60, Subpart IIII and is classified as an existing, emergency CI engine, by the subpart. The engine requirements are now addressed in Section III, Subsection B.

The facility is subject to Title 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subparts A, WWW, and IIII. The facility is subject to 40 CFR 63 Subpart ZZZZ and complies with ZZZZ by complying with 40 CFR 60 Subpart IIII. The facility is also subject to Title 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subparts A and M, General Provisions and National Emission Standard for Asbestos, respectively.

40 CFR 60 Subpart Cc does not apply to this facility since the facility was constructed after May 30, 1991. 40 CFR Subpart 63 Subpart AAAA does not apply since the facility does not meet any of the applicability requirements of 63.1935. The facility may become subject to Subpart AAAA when the estimated uncontrolled emission rate equals or exceeds 50 megagrams of NMOC per year.

CONCLUSION

This project is a renewal of the Title V air operation permit No. 0510030-002-AV. This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, 62-213, F.A.C.