Title V Air Operation Permit Renewal
Permit No. 0112370-06-AV

APPLICANT

The applicant for this project is Broward County Waste and Recycling Services. The applicant's responsible official and mailing address are: Mr. Elliot Auerhan, Broward County Waste and Recycling Services, Southwest Regional Landfill, 1 North University Drive, Suite 400, Plantation, Florida 33324.

FACILITY DESCRIPTION

The applicant operates the Southwest Regional Landfill, which is located at 7101 SW 205th Avenue, Unincorporated Broward County, Florida 33332.

This existing facility consists of a Municipal Solid Waste Facility and a Gas Collection and Control System, with an open flare that burn gas collected by the gas extraction wells. The landfill began accepting waste September 1988, at the time it was in operation under the name of Broward County Interim Contingency Landfill. On April 24, 2007 a construction permit was issued to replace the 1,500 scfm flare with two 750 scfm. Later, on September 8, 2008 a Title V Air Operation Permit was issue to operate the Municipal Solid Waste landfill and a Gas Collection System with a 750-scfm Candlestick open flare.

The landfill is subject to 40 CFR 60 Subpart WWW because the permitted build out capacity is greater than 2.5 million megagrams. The landfill is filling at rate such that the amount of nonmethane organic compounds (NMOC) produced is well below 50 megagrams per year, which is the threshold for the installation of a gas collection system and flare. The existing collection system and 750 scfm Candlestick flare is used for gas migration odor control only. The landfill will demonstrate compliance with Subpart WWW by monitoring the weight of incoming waste and projecting gas generation rates based on past and projected incoming waste rates. A gas collection system for the purpose of Subpart WWW will not be required until it is demonstrated that NMOC generation rate is greater than 50 megagrams per year.

The facility operates an emergency generator powered by a diesel reciprocating internal combustion engine (RICE), the generator is a Model 200ROZ271 Kohler Diesel Emergency Generator, Serial No. 252242, used to provide power to the facility during outages. This engine presumably was manufactured in 1989 or 1990. The engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ and is classified as an existing, 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 existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Title V Air Operation Permit renewal application received January 24, 2013
Title V Air Operation Permit Renewal issued (Pending)

PRIMARY REGULATORY REQUIREMENTS

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

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 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 does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility does operate a generator unit subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63, Subpart ZZZZ.

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

PROJECT REVIEW

Several specific conditions were revised and obsolete conditions were removed from the permit. The permit had been reformatted, replaced TV-6 with new Appendix TV, streamlined EU sections by moving common conditions to the combined appendices.

CONCLUSION

This project renews Title V Air Operation Permit No. 0112370-005-AV, which was issued on September 8, 2008 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 and 62-213, F.A.C.