STATEMENT OF BASIS

Title V Air Operation Permit Renewal
Permit No. : 0112094-008-AV

Applicant: The applicant for this project is Waste Management Inc. of Florida. The applicant's responsible official and mailing address are: Mr Tim Hawkins, 2700 Wiles Road, Pompano Beach, Florida 33073.
Facility Description: Waste Management Inc. of Florida operates the Central Disposal municipal solid waste (MSW) and construction and demolition debris disposal (CDD) landfills located in Pompano Beach in Broward County. There are two regulated emission units: (1) A MSW landfill equipped with an active gas collection system that collects and directs landfill gas (LFG) to a gas treatment system, an open flare, or to two enclosed combustors, and (2) Three combustion turbines that use treated LFG as fuel to operate an electrical power generation plant. Although the open flare is currently used to aid the start up phase of the gas turbines, the option to use it as a primary control device is available if needed. 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 No. 0112094-005-AV issued 6/5/2006 for the above referenced facility. .
Processing Schedule and Related Documents
Application for a Title V Air Operation Permit Renewal received: October 18, 2010
Notice of Intent to Issue Air Permit issued March 23, 2011
Public Notice Published March 27, 2011
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 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 Subpart WWW and Subpart GG.
NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63 Subpart AAAA.
CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.
CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility
Project Review

The landfill design capacity of 52 million cubic yards (42.7 million megagrams) reported in the previous TV Renewal Permit (issued 6/5/2006) is updated to 61 million cubic meters (60.2 million megagrams). A solid waste permit (0051323-019-SC) was issued on 10/8/2007 for substantial lateral expansion at the northwest and west part of the landfill. An updated design capacity and other calculations submitted with the permit application show that the source existing control devices are capable of handling the maximum design landfill gas generation rate that is estimated to occur in 2027.

The source classification was also updated from minor to major stationary source with respect to PSD after the modification of gas control system design (adding 1 combustor unit and one open flare) in 2006 in accordance with 0112094-005-AC. In 2010, the applicant updated the source Sulfur Dioxide emissions calculation using available Hydrogen Sulfide data (instead of AP42 default values) and reported corrected SO2 in excess of 250 TPY (PSD major stationary source thresholds) since 2006.

The permit was reformatted and updated in accordance with FDEP guidelines.

Conclusion

This project renews Title V air operation permit No. 0112094-005-AV, which was issued on 6/5/2006. 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.