Title V Air Operation Permit Renewal
FINAL Permit No. 1150089-007-AV

APPLICANT

The applicant for this project is the Sarasota County Board of County Commissioners. The applicant's responsible official and mailing address are: Ms. Lois Rose, Solid Waste Manager, Sarasota County Solid Waste Operations, 4000 Knights Trail Road, Nokomis, Florida 34276.

FACILITY DESCRIPTION

The applicant operates the Sarasota County Central County Solid Waste Disposal Complex, which is located at 4000 Knights Trail Road in Nokomis, Florida.

The existing facility is municipal solid waste (MSW) landfill facility. Landfill gas (primarily carbon dioxide, methane, and other organic compounds) generated by the decomposing MSW is collected by a landfill gas collection system and routed to a landfill gas flare for control of methane and non-methane organic compound (NMOC) emissions by combustion. At this time the landfill gas collection and control (flare) system are not subject to NSPS 40 CFR 60 Subpart WWW since NMOC emissions for the year 2010 are estimated at 39.59 Mg/year, which is below the 50 Mg/year Subpart WWW trigger level for a landfill gas collection and control system.

The facility also includes miscellaneous stationary internal combustion engines used to power equipment used at the site.

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 Title V air operation permit No. 1150089-004-AV, for the above referenced facility. This renewal permit will also incorporate the requirements of Air Construction Permit 1150089-005-AC for a landfill gas flare; and will also incorporate NESHAP 40 CFR 63 Subpart ZZZZ, which is applicable to the existing stationary RICE engines at this facility, and NSPS 40 CFR 60 Subpart IIII, which is applicable to one new emergency generator RICE at this facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Renewed Title V Air Operation Permit 1150089-004-AV issued/effective June 8, 2005
Air Construction Permit 1150089-005-AC issued May 8, 2009
Application for Air Construction Permit (EPSAP electronic application) for a wood grinder received September 22, 2009
Application for a Title V Air Operation Permit Renewal (EPSAP electronic application) received October 19, 2009
Department Additional Information Request dated October 22, 2009
Request on behalf of applicant dated December 2, 2009 to hold Title V application incomplete pending construction permit determination for wood grinder and concrete crusher.
Additional Information Response received December 4, 2009
Department 2nd Additional Information Request dated December 31, 2009
2nd Additional Information Response received February 19, 2010
Request from applicant dated April 28, 2010 to hold Title V operation permit application as incomplete pending receipt of pending Tier 2 NMOC Emission Rate Report, and pending Title V permit revision application for LFG flare permitted on Construction Permit 1150089-005-AC
Department Notice of Permit Determination for wood grinder and concrete crusher issued May 27, 2010

Application for a Title V Air Operation Permit Revision (EPSAP electronic application) received August 18, 2010
Tier 2 Non-Methane Organic Compounds (NMOC) Emission Rate Report for the Sarasota County CCSWDC received August 19, 2010
Department Additional Information Request email (on stationary engines subject to the amended NESHAP Subpart ZZZZ) sent September 14, 2010
Additional Information Response email received October 6, 2010
Department email dated November 4, 2010 requesting corrections to October 6, 2010 response
Corrected Additional Information Response email received November 11, 2010
Notice of Intent to Issue Air Permit issued December 30, 2010
Public Notice Published January 21, 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 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 units 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.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility. The only emission control device is a LFG flare and it is not a required control device nor is the emission unit it is associated with subject to a specific emission limit.

PROJECT REVIEW

This Title V operation permit renewal will also incorporate the requirements of Air Construction Permit 1150089-005-AC for a landfill gas flare (a voluntary control device for EU 001); and will also incorporate NESHAP 40 CFR 63 Subpart ZZZZ, which is now applicable to the stationary RICE engines at this facility (which have been added as additional regulated emission units), and NSPS 40 CFR 60 Subpart IIII, which is applicable to one new emergency generator RICE at this facility (which has been added as a new regulated emission unit).

CONCLUSION

This project renews Title V air operation permit No. 1150089-004-AV, which was issued/effective on June 8, 2005. 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.