Title V Air Operation Permit Renewal
Permit No. 1250008-007-AV

APPLICANT

The applicant for this project is New River Solid Waste Association. The applicant's responsible official and mailing address are: Perry Kent, Assistant Director, New River Solid Waste Association, New River Regional Landfill, P.O. Box 647, Raiford, Florida 32083.

FACILITY DESCRIPTION

The applicant operates the existing New River Regional Landfill, which is located in Union County at 24276 NE 157th Street, Raiford, Florida.

This facility is engaged in landfilling of municipal solid waste. The Class I and III municipal solid waste (MSW) disposal facility (landfill), consisting of various disposal areas (currently Cells 1 through 5 and a new solid waste disposal area (Cell 6) located adjacent to existing Cells 1 through 5. Cell 6 will increase the Class I disposal capacity by approximately 1.3 million megagrams; the existing permitted disposal capacity of Cells 1 through 5 is 3.7 million megagrams. This landfill includes areas where asbestos containing waste materials have been deposited. The facility is subject to federal rules NSPS 40 CFR 60 Subpart WWW and NESHAP 40 CFR 63 Subpart AAAA. This facility does not contain any cells that qualify as a bioreactor.

This facility has a landfill gas (LFG) collection and control system, as required by NSPS 40 CFR 60 Subpart WWW. The LFG control system consists of a 3,000 scfm open, non-assisted Flare and Blower Station used as the LFG control device for the LFG collection system in accordance with Subpart WWW 40 CFR 60.752(b)(2)(iii)(A).

This facility includes two (2) emergency back-up generator diesel engines that are subject to NESHAP 40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines. These engines provide backup power to the landfill office area and the flare.

This facility also includes 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

Initial Title V Air Operation Permit issued June 7, 20004
Application for a Title V Air Operation Permit Renewal received July 16, 2013
Additional Information Request dated August 20, 2013
Additional Information Response received November 4, 2013

PRIMARY REGULATORY REQUIREMENTS

Standard Industrial Classification (SIC) Code: 4953 – Refuse Systems.

HAP: 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.).

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 units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

GHG: The facility is identified as a major source of green house gas (GHG) pollutants. 75,000

PROJECT REVIEW

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

Emissions Unit ID 001 was renamed "Class I & III Landfill". Reference to the non-assisted 2,400 scfm utility flare was removed. Section III, Subsection A now addresses only the landfill with the associated landfill gas collection system.

Emissions Unit ID 002 "Fugitive NMOC emissions and hazardous air pollutants (HAP) emissions from the natural decomposition reactions associated with the landfill which are not collected by the landfill gas collection system" was removed from the permit.

An Emission Unit ID 004 "3000 SCFM Non-assisted Utility Flare" was added to incorporate the requirements of Permit No. 1250008-006-AC.

An Emission Unit ID 009 "Mitsubishi/Generac Emergency 60 kw Diesel Generator - Office" was added to incorporate the requirements of40 CFR 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

An Emission Unit ID 010 "Olympian Emergency Diesel Generator - Flare" was added to incorporate the requirements of 40 CFR 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Emissions Unit ID 008 "Honda, Perkins/Wacker, Onan, John Deere and CAT Mobile Engines" was reclassified to "unregulated" and Honda Gas Generator -5346540 was added to the existing emissions unit I.D. These engines are non-stationary engines and as such are not regulated under 40 CFR 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Emissions Unit ID 007 was inactivated as the Cummins 71 Fermont Diesel Generator; the Perkins/Wacker Generator; the Morbark Chipper Mulcher; and, the Honda/Husqvana 13 hp – 6500 w Generator have been removed from service.

CONCLUSION

This project renews Title V air operation permit No. 1250008-003-AV, which was effective on April 16, 2009. 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.