Title V Air Operation Permit Renewal
Permit No. 0570854-008-AV

APPLICANT

The applicant for this project is the Hillsborough County Solid Waste Management Group. The applicant's responsible official and mailing address are: Ms. Patricia Berry, Manager, Public Utilities Department/Solid Waste Management Group, 925 E. Twiggs Street, Tampa, Florida 33602.

FACILITY DESCRIPTION

The applicant operates the existing Hillsborough County Southeast Landfill, which is located at 15960 CR 672 in Lithia, Hillsborough County, Florida.

This facility is engaged in landfilling of municipal solid waste (including shredded tires) and ash from municipal waste incinerators. This facility is also permitted to accept asbestos waste. The Southeast County Landfill began accepting municipal solid waste in 1984 and ash from municipal waste incinerators in 1989, and is scheduled to cease accepting waste and ash and close no sooner than 2045. The facility has a design capacity of greater than 2.5 million megagrams and 2.5 million cubic meters, and 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 an open candlestick flare.

This facility includes three (3) 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 and NSPS 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

The facility also includes miscellaneous stationary reciprocating internal combustion engines (RICE) used to power various pieces of equipment used at the facility. These existing stationary RICE engines at this facility are in or on a portable or transportable piece of equipment and are not subject to NESHAP 40 CFR 63 Subpart ZZZZ.

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 January 28, 1999
Application for a Title V Air Operation Permit Renewal received August 29, 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.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility).

GHG: The facility is not identified as a major source of green house gas (GHG) pollutants.

PROJECT REVIEW

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

Emissions Unit ID 001 was renamed "Municipal Solid Waste Landfill with LFG Collection System".

The Open Candlestick Flare associated with Emissions Unit 001 was assigned Emissions Unit ID 008. The flare requirements are now addressed in Section III, Subsection B.

Emissions Unit ID 006 "New" Emergency Back-up Generator Stationary Compression Ignition (CI) RICE Diesel Engines (3*) (subject to NSPS 40 CFR 60 Subpart IIII)* was inactivated and the three engines were given new Emissions Unit IDs: 009 Taylor Power Systems Emergency Generator Model DS60M2; 010 John Deere Emergency Generator Model 4045TF270; and, 011 John Deere Emergency Generator Model 6068HF485. These engine requirements are now addressed in Section III, Subsections C and D.

Emissions Unit ID 002 Existing Stationary Non-Emergency Compression Ignition (CI) RICE Diesel Engines ≤ 300HP (listed below) are not stationary engines and have been reclassified as insignificant emissions units.

Manufacturer & Model	HP Rating	Year of Manuf.	Description
Isuzu Model 3CBI-C	27.5	2005	Tire Slicer engine
Isuzu Model 3LBI	20.6	2004	Truck Tire Derimmer engine
Kabota Model V1305	35	2007	Wheel Crusher engine
Kabota Model D722	17.8	2005	Miller welder
Kabota Model Z482-E	12.5	2004	Car Tire Derimmer engine

Emissions Unit ID 007 Existing Stationary Spark Ignition (SI) RICE Engines *(listed below):* are not stationary engines and have been reclassified as insignificant emissions units.

Manufacturer & Model	HP Rating	Fuel	SI Engine Type	Year of Manuf.	Description
Honda Model GX620K1	20	gasoline	4SRB	2005	Honda Generator
Kohler Model 722	20	gasoline	4SRB	2004	Miller Welder

CONCLUSION

This project renews Title V air operation permit No. 0570854-006-AV, which was effective on MARCH 30, 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.