Title V Air Operation Permit Revision
Permit No. 0570854-007-AV

APPLICANT

The applicant for this project is the Hillsborough County Solid Waste Management Department. The applicant's responsible official and mailing address are: Mr. Barry Boldissar, Director, Hillsborough County Solid Waste Management Department, 601 E. Kennedy Boulevard, 24th Floor, Tampa, FL 33602.

FACILITY DESCRIPTION

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

The Hillsborough County Southeast County Landfill is a combined Class I municipal solid waste (including shredded tires) and municipal solid waste incinerator ash landfill. (The incinerator ash is received from Hillsborough County municipal solid waste incinerators located at separate sites.) This facility is also permitted to accept asbestos waste. This facility began accepting municipal waste in 1984 and ash from municipal waste incinerators in 1989. The facility does not include a bioreactor. This landfill has a landfill gas (LFG) collection and control system in accordance with the requirements of NSPS 40 CFR 760 Subpart WWW. The LFG control system is open candlestick flare which was authorized by Air Construction Permit 0570854-005-AC issued on 11/04/08.

The Emission Units at this facility consist of the following:

E.U. ID No.	Brief Description
001	Municipal Solid Waste Landfill with LFG collection System and Open Candlestick Flare
002	Existing Stationary Non-Emergency Compression Ignition (CI) RICE Diesel Engines ≤ 300HP *(subject to NESHAP 40 CFR 63 Subpart ZZZZ)*
003	Fugitive PM/PM10 Emissions (Roads and Earthmoving Operations) *(Unregulated EU)*
006	"New" Emergency Back-up Generator Stationary Compression Ignition (CI) RICE Diesel Engines (3) *(subject to NSPS 40 CFR 60 Subpart IIII)*
007	Existing Stationary Spark Ignition (SI) RICE Engines *(subject to NESHAP 40 CFR 63 Subpart ZZZZ)*

EU Note – EU ID Nos. 002 and 006 are redefined from previous descriptions of what these EU's included. EU 007 is a new EU. All of theses EU changes are related to incorporating NESHAP 40 CFR 63 Subpart ZZZZ, and the stationary RICE engines subject to it, into the facility Title V operation permit. (See the Title V permit for additional EU ID No. Permitting Notes.)

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to revise the existing Title V permit for the above referenced facility. *(See PROJECT REVIEW below for details.)*

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application (EPSAP electronic application) submitted on 06/14/10 by the Hillsborough County Solid Waste Management Department for a Title V Air Operation Permit revision for the Southeast Landfill to incorporate the LFG flare permitted on 0570854-005-AC

Response dated 09/24/10 (from SCS Engineers on the behalf of Hillsborough County Solid Waste Management Department) to the Department's 08/13/10 request for additional information

Intent to Issue Title V Air Operation Permit Revision issued 12/06/10

Public Notice published 01/21/11

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. *(The MSW Landfill (EU No. 001) is subject to 40 CFR 60 Subpart WWW and there are emergency generator stationary CI RICE engines (EU No. 006) at the facility that are subject to 40 CFR 60 Subpart IIII.)*

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63. (*The MSW Landfill, EU No. 001, is subject to 40 CFR 63 Subpart AAAA*. There are *CI and SI stationary RICE engines at the facility (EU Nos. 002 and 007) that are subject to 40 CFR 63 Subpart ZZZZ, as amended on 08/20/2010, as existing SI/CI RICE at an area source of HAP.)*

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 emission units at the facility as the only emission control device is the LFG flare and there are no applicable emission limitations on the MSW landfill.

PROJECT REVIEW

The subject of this permit revision is to incorporate the terms and conditions of Air Construction Permit No. 0570854-005-AC, for a LFG candlestick flare. This flare has been built and met the construction permit requirements. Also as part of this revision, NESHAP 40 CFR 63 Subpart ZZZZ (National

Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, as revised on March 3, 2010, June 30, 2010, and August 30, 2010), is being incorporated into the facility operation permit.

To accomplish this revision, an additional emergency CI RICE engine was added to EU No. 006, EU No. 002 was redefined, a new EU No. 007 was established, and a new emission unit subsections were added for EU Nos. 002 and 007 (Section III, Subsections C. and D.). Updated versions of appendices for NSPS 40 CFR 60 Subparts A and WWW and NEHAP 40 CFR 63 Subparts A and AAAA were added; and an appendix for NESHAP 40 CFR 63 Subpart ZZZZ was added along with a summary of Subpart ZZZZ applicable requirements for stationary RICE at area sources of HAPs.

Changes from Title V Operation Permit 0570854-006-AV are shown in the DRAFT/PROPOSED permit with a strikethrough format for deletions and shading format for additions.

CONCLUSION

This project revises Title V Air Operation Permit No. 0530379-006-AV, which was issued (effective) on 03/30/2009. This Title V air operation permit revision is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, 62-213, F.A.C.

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