Title V Air Operation Permit Renewal
Permit No. 0930104-021-AV

APPLICANT

The applicant for this project is Okeechobee Landfill, Inc. The applicant's responsible official and mailing address are: Tony Bishop, District Manager, Okeechobee Landfill, Inc., Okeechobee Landfill, 10800 NE 128th Avenue, Okeechobee, Florida 34972.

FACILITY DESCRIPTION

Okeechobee Landfill, Inc. consists of the landfill disposal area, three open flares and five reciprocating internal combustion engines.

Emissions Unit 001 is an active landfill with a design capacity greater than 2.5 million megagrams. The landfill started receiving waste in 1981. The NMOC emissions are calculated to be greater than 50 megagrams per year. The landfill does not contain a bioreactor. The landfill is an active asbestos waste disposal site. The landfill gas emissions are collected and controlled by flares.

Emissions Unit I.D. -008 is a 1,500 scfm open flare. This flare combusts landfill gas after it is treated in the Gas Desulfurization Plant by a biological process called the Paques/THIOPAQ® to remove sulfur. The flare height is 42 feet and has a maximum heat input of 45 MMBtu/hr. The flare began operation on March 23, 2011.

Emissions Unit I.D. -009 and Emissions Unit I.D. -010 are 3,000 scfm open flares. These flares combusts landfill gas after it is treated in the Gas Desulfurization Plant by a biological process called the Paques/THIOPAQ® to remove sulfur. Each flare height is 42 feet and has a maximum heat input of 91 MMBtu/hr. The flare began operation on March 23, 2011.

Emissions Unit I.D. -017 is a Tradewinds Model TP-3000 Generator, Engine Model No. 2206D.E13TAG2, is used to provide power to the facility during outages. This engine was manufactured in 2000. The engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ and is classified as an existing, emergency CI engine, by the subpart.

Emissions Unit I.D. -018 is a Generac Model Guardian 004723-1 Generator, Engine Model No. OA4531A, is used to provide power to the facility during outages. This engine was manufactured in 2004. The engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ and is classified as an existing, emergency SI engine, by the subpart.

Emissions Unit I.D. -019 is a Baldor Model DLC50-JD Generator, Engine Model No. PE4045TF150, is used to provide power to the facility during outages. This engine was manufactured in 2004. The engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ and is classified as an existing, emergency CI engine, by the subpart.

Emissions Unit I.D. -020 is a Model 4HTC-DDST-3-2011 Thompson Diesel Water Pump, Engine Model No. F4L2011, used to pump water at the facility. This engine was manufactured in 2005. The engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ and is classified as an existing, non-emergency CI engine, by the subpart.

Emissions Unit I.D. -021 is a Model C27ACERT Caterpillar Diesel Emergency Generator, Engine Model No. C27, used to provide power to the facility during outages. This engine was manufactured in 2011. The engine is subject to the requirements of 40 CFR 60, Subpart IIII and is classified as a new, emergency CI engine, by the subpart.

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. The renewal also incorporates the addition of the RICE engines identified in the above facility description and an unregulated emissions unit, a portable concrete crusher that will be brought to the facility as needed.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received January 23, 2013 by the Southeast District Office

Application was transferred to Tallahassee Division of Air Resource Management on February 6, 2013.

PRIMARY REGULATORY REQUIREMENTS

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

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

PROJECT REVIEW

This project renews the permit document and reclassifies the four "existing" engines as regulated emissions units subject to 40 CFR 63 Subpart ZZZZ and one "new" engine as a regulated emissions unit subject to 40 CFR 60 Subpart IIII. In addition, a portable concrete crusher which will be brought to the facility for limited use is added as an unregulated emissions unit.

CONCLUSION

This project renews Title V air operation permit No. 0930104-016-AV, which was effective on August 22, 2008. 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.