FINAL PERMIT

PERMITTEE:
Polk County Board of County Commissioners
Polk County Waste Resource Management
10 Environmental Loop South
Winter Haven, Florida 33880-1069

Permit No. 1050298-007-AV
Polk County North Central Landfill
Facility ID No. 1050298
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing Polk County North Central Landfill is located in Polk County at 7425 Highway 540, Winter Haven, Florida. UTM Coordinates are: Zone 17, 416.81 East and 3100.14 North. Latitude is: 28° 01' 26.1" North; and Longitude is: 81° 50' 46.6" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: July 5, 2012
Renewal Application Due Date: November 22, 2016
Expiration Date: July 5, 2017

Robert C. Wong
District Air Program Administrator
Southwest District

RCW/nek

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

This facility is engaged in municipal solid waste landfill operations. The North Central Landfill began accepting waste in 1977 in the now closed four unlined Class I areas (EU No. 006) located on the southern portion of the site (unlined Class I Landfill cell Nos. 1-4). Waste was collected in these areas from 1977 through 1985. Solar ignited flares were constructed on unlined Class I cells 2, 3, and 4 in 2008. Waste filling (Class I waste) in the Class I/III landfill began in 1986. In addition to the above closed unlined Class I cells, the landfill includes an active unlined Class III area, a closed unlined Class I/III area, a closed unlined Class III area and three (3) active lined Class I areas (EU No. 001) (single liner Phase I, double liner Phase II, and double liner Phase III) all located in the northern portion of the landfill approximately mid way between the north and south limits of the property. This facility also includes a portable 1000 horsepower maximum diesel engine powered yard waste grinder (EU No. 004) operated by a different owner. The design capacity of the landfill is greater than 2.5 million megagrams (MG) and a Tier 2 non-methane organic compounds (NMOC) emission rate was calculated to exceed 50 MG per year. Three emission units (EU Nos. 008-010) were added to this permit for reciprocating internal combustion engines that are subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
001	Municipal Solid Waste Landfill with an Open Flare
004	Diesel Engine Powered Yard Waste Grinder
006	Closed Unlined Landfill Cell Nos. 2, 3, & 4 with Passive Flares
008	Existing Emergency Stationary CI RICE Engine > 500 HP
009	Two (2) Existing Emergency Stationary CI RICE Engines ≤500 HP
010	Two (2) Existing Non-Emergency Stationary CI RICE Engines ≤300 HP
Unregulated Emissions Units and Activities	
003	Roads and Earthmoving Operations

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received February 21, 2012, this facility is NOT a major source of hazardous air pollutants (HAP). A summary of applicable regulations is shown in the following table.

Regulation	EU Nos.
40 CFR 60, Subpart A, NSPS General Provisions	001 & 006
40 CFR 60, Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills	001& 006
40 CFR 63, Subpart A - General Provisions	001, 006, 008-010
40 CFR 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills	001& 006
40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines	008-010
Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C.	All