Initial Title V Air Operation Permit
Permit No. 0230047-004-AV

APPLICANT

The applicant for this project is Columbia County Board of County Commissioners. The applicant's responsible official and mailing address are: Kevin Kirby, Director, Columbia County Board of County Commissioners, Columbia/Winfield Solid Waste Facility, P.O. Box 969, Lake City, Florida 32055.

FACILITY DESCRIPTION

The applicant operates the existing Columbia/Winfield Solid Waste Facility, which is located in Columbia County at 1347 NW Oosterhoudt Lane in Lake City, Florida.

The Columbia County Central Landfill is a Closed Class I Landfill that stopped accepting waste before January 6, 1993 and began its 20-year long-term care period on July 3, 1996 (its official closure date). The total site area is 70± acres of which 30± acres are capped. Its final cover system consists of, from top to bottom, a 24-inch protective soil cover layer, a 40-mil polyethylene (PE) geomembrane, and a 12-inch intermediate soil layer. The Landfill's closure design includes gas and groundwater monitoring systems. Additionally, a surface water management system (with surface water monitoring) is associated with the facility.

The contiguous Winfield Solid Waste Facility operating under Solid Waste Permit No. 9862-012 is a 243+acre solid waste management facility with an approximately 23-acre Class I Landfill (which includes Cells 1, 2, and 3), an approximately 21-acre Class III Landfill, a Waste Tire Collection Center, and an approximately 30,000 square foot materials recovery facility (MRF) with leachate collection. The Class I Landfill is authorized to receive 500 tons of waste per day, while the Class III Landfill is authorized to receive 300 tons of waste per day, under normal operating conditions. The MRF was permitted to process Class I waste as a pilot project for a twelve-month period ending August 2013. In 2013 the Division of Solid Waste permitted an expansion of 9.3 acres known as Cell 4 with a possibility of a future Cell 5. The facility design includes a surface water management system, as well as groundwater, and gas monitoring systems. Activities at the facility generate landfill gases resulting from the decomposition of the solid waste, and particulate matter resulting from vehicular traffic and soil moving/handling. Asbestos containing material is also disposed in the landfill and these activities are subject to the requirements of 40 CFR 61 Subpart M (Set A). An aerial view of the facility is given below.

This facility does not contain any cells that qualify as a bioreactor. This facility also includes miscellaneous insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to issue an initial Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit was received on September 23, 2013.

PRIMARY REGULATORY REQUIREMENTS

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

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.).

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility. CAM applies to a pollutant-specific emissions unit at a major source that is required to obtain a part 70 or 71 permit. This facility was required to obtain a part 70 permit solely by the requirement contained in 40 CFR 60 Subpart WWW and not by being a major source of emissions.

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

PROJECT REVIEW

This project issues the Title V air operation permit No. 0230047-004-AV for an existing minor source which triggered 40 CFR 60 Subpart WWW due to design capacity. The existing facility consists of a 70± acres closed area and an active 243± acre portion consisting of both Class I and Class III waste disposal areas.

CONCLUSION

This project issues an initial Title V air operation permit No. 0230047-004-AV. This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, and 62-213, F.A.C.