Title V Air Operation Permit Revision
Permit No. 1250008-005-AV

APPLICANT

The applicant for this project is New River Solid Waste Association. The applicant's responsible official and mailing address are: Mr. Darrell O'Neal, Executive Director, New River Solid Waste Association, New River Regional Landfill, Post Office Box 647, Raiford, Florida 32083.

FACILITY DESCRIPTION

The applicant operates the New River Regional Landfill, which is located at 24276 N.E. 157th Street, Raiford, Florida 32083.

New River Regional Landfill, a municipal solid waste (MSW) landfill with a total site area of 200+ acres, of which approximately 66.4 acres will be used for disposal of Class I solid waste and 16 acres will be used for disposal of Class III solid waste. The Class I Landfill currently consists of Cells 1 through 5.

The initial solid waste construction permit for the Class I landfill was issued on June 1, 1990. The landfill was modified in 2001. The Class III Landfill began waste acceptance in 1992 and is currently permitted to accept waste. The Class III landfill is also an active asbestos waste disposal site. A waste tire collection center is also included at this landfill.

The addition of liquids to bioreactor began on May 30, 2003. On September 9, 2008, State Solid Waste Program had issued minor permit modification No. 0013500-017 to Permit No.0013500-012-SC for bioreactor decommissioning. Currently, the facility does not have any bioreactor.

The landfill includes an active gas collection system consisting of both horizontal collection trenches and vertical gas collection wells. This collection system is connected to a landfill gas control system that consists of an open flare with a capacity of 2400 standard cubic feet per minute (scfm). The flare station is equipped with a flow meter to measure the landfill gas flow rate every 15 minutes, a flame/heat sensing device to detect the continuous presence of flame, a flare temperature measuring device so that any flare downtime period is recorded. If the temperature falls below preset temperature, the flare and the blowers will be automatically shutdown. The collection line at the flare station is also equipped with sampling ports to monitor pressure, gas concentrations, and the temperature of the incoming LFG.

The landfill is subject to 40 CFR 60, Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills, and 40 CFR 63, Subpart AAAA--National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills

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 to include the terms and conditions of Construction Permit No. 1250008-004-AC.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Renewed Title V Air Operation Permit issued April 16, 2009
Application for a Title V Air Operation Permit Revision received September 15, 2010

Additional Information Request dated November 2, 2010
Additional Information Response received January 4, 2011
Notice of Intent to Issue Air Permit issued March 22, 2011
Public Notice Published

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/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.

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

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 units at the facility. In accordance with 40 CFR 64.2(b)(1), CAM is not applicable to this landfill as it is subject emission limitations or standards of 40 CFR 60 Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills, and 40 CFR 63, Subpart AAAA--National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills, which were promulgated after November 15, 1990 pursuant to 111 and 112 of the Act, respectively.

PROJECT REVIEW

To incorporate the provisions of permit No. 1250008-004-AC, which authorized the construction of a landfill gas collection and control system in accordance with the requirements of NSPS, Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills.

Changes that were made as part of this revision include reformatting: Title V Permit format effective 10/28/2010, replacement of TV-6 with Appendix TV – Title V General Conditions dated 11/01/2010, Appendix TR – Facility-Wide Testing Requirements dated 9/12/2008, and Appendix RR – Facility-Wide Reporting Requirements dated 9/17/2009.

Inclusion of the Class III landfill (formerly Emission Unit 003) with Emission Unit 001 since the gas collection and control system includes the Class III landfill.

Inclusion of Appendix for Alternate Work Practice Standards for low-gas producing wells.

CONCLUSION

This project revises Title V air operation permit No. 1250008-003-AV, which was issued on April 16, 2009. This revision is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.