

STATEMENT OF BASIS

New River Regional Association
New River Regional Landfill

Facility ID No.: 1250008
Union County

Title V Air Operation Permit Revision
DRAFT Permit No.: 1250008-002-AV

The initial Title V Air Operation Permit, No. 1250008-001-AV, was issued/effective on June 7, 2004. This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The subject of this permit revision is to include the recordkeeping requirements of 40 CFR 60.758(a) in Subsections A and B of the initial Title V Permit No. 1250008-001-AV.

Conditions A.15. and B.15. were added to the permit:

A.15. (B.15.) Except as provided in § 60.752(b)(2)(i)(B), the Permittee shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered § 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.
[40 CFR 60.758(a)]

The permit was updated based on the current Title V Permit format. Facility-wide Condition 1 was changed from referencing Title V Conditions TV-4 to version TV-5. The other conditions throughout the permit that reference Title V Conditions TV-4 are also changed accordingly.

1. APPENDIX TV-5, TITLE V CONDITIONS, is a part of this permit.
{Permitting note: APPENDIX TV-5, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}

The New River Regional Landfill, a municipal solid waste landfill, has a total site area of 200± acres, of which approximately 48.5 acres is used for disposal of Class I solid waste and 16 acres for disposal of Class III solid waste. Emissions of methane, non-methane organic compounds (NMOC), sulfur compounds, and other gases occur as a result of microbial decomposition of the landfill wastes.

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The Class I Landfill consists of four cells, Cells 1, 2, 3, and 4. Cell 1 opened for waste deposition on July 1, 1992. Cell 2 was permitted for construction in 1995. Cell 3 opened for waste deposition in July 2000 and ceased waste acceptance in July 2002. Cell 4 (20.50 acres) opened for waste deposition on June 10, 2002.

All of Cell 1 and part of Cell 2 is enclosed (15.5 acres total) and connected to an active, vacuum landfill gas collection system. The collection system is routed to a candlestick, non-assisted, utility flare that thermally destructs the collected landfill gas.

The flare commenced operation in July 2002. The addition of liquids to bioreactor began on May 30, 2003.

The remainder of Cell 2, and all of Cell 3 are not enclosed and fugitive nonmethane organic compound (NMOC) emissions are emitted. This area is approximately 13 acres.

The Class III Landfill began waste acceptance in 1992 and is currently actively accepting waste. It is an active asbestos waste disposal site.

The Class I and Class III Landfills have a design capacity equal to 2.5 million megagrams by mass (2.476 Mg). The initial solid waste construction permit for the Class I landfill was issued on June 1, 1990. The landfill was modified in 2001. The yearly waste acceptance for the Class I landfill is 2000 Tons per day (average) and 2500 tons per day (maximum), and 100 tons per day for the Class III landfill. The NMOC emissions from the Class I and Class III landfills are calculated to be less than 50 megagrams per year. The maximum projected NMOC emission rate is 37.2 Mg/year in the year 2003 based upon EPA Landfill modeling results. Therefore, at this time a landfill gas (LFG) collection and control system pursuant to 40 CFR Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills is not required for this facility.

A waste tire collection center is also included at this landfill.

This facility is regulated under 40 CFR, Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills, adopted by reference in Rule 62-204.800(7)(b) 72, F.A.C. and 40 CFR Chapter 1 Part 60, Subpart Cc adopted by reference in Rule 62-204.800(8)(c), F.A.C.

Because liquid other than leachate is added in combination with recirculating leachate to the waste mass such that the maximum average moisture content is 35 percent by weight, the bioreactor does not meet the 40 CFR 63.1990 definition of a bioreactor. Therefore, the facility is not currently subject to the requirements of 40 CFR, Part 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants Municipal Solid Waste Landfills. Should the moisture content reach 40 percent by weight, the landfill will be subject to the requirements of 40 CFR,

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Part 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants Municipal Solid Waste Landfills at that time.

Based on the initial Title V permit application received June 20, 2002, this facility is not a major source of hazardous air pollutants (HAPS) nor is it collocated with a major source of HAPs. Based on the additional information received November 15, 2002, this facility is a major source due to potential CO emissions of 205 tons per year.

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