

Osceola Road Solid Waste Management Facility
Facility ID No.: 1170084
Seminole County

Title V Air Operation Permit Renewal

FINAL Permit Project No.: **1170084-006-AV**

Permitting Authority:

DEP Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803
Telephone: 407/894-7555
Fax: 407/897-5963

Compliance Authority:

DEP Central District
3319 Maguire Boulevard, Suite 232
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Permittee:

Seminole County
Board of County Commissioners
500 West Lake Mary Blvd.
Sanford, FL 32773-7499

FINAL Permit No.: 1170084-006-AV

Facility ID No.: 1170084

SIC No(s): 49, 4953

Project: Osceola Road Landfill Facility

The purpose of this permit is to renew Title V Air Operation Permit, No. 1170084-006-AV. This existing landfill facility is located at 1930 East Osceola Road, Geneva, Florida; UTM Coordinates: Zone 17, 492.00 km East and 3184.50 km North; and, Latitude: 28° 47' 30" North and Longitude: 81° 04' 42" West.

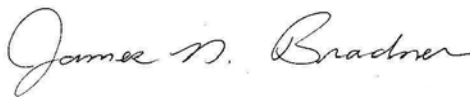
This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix B, 40CFR60, Subpart WWW; 40CFR63 Subpart AAAA, Combined General Provisions
Appendix C, 40CFR60, Subpart WWW; 40CFR63 Subpart AAAA, Combined Standard Conditions
Appendix D-1, Definitions for Subpart WWW – Municipal Solid Waste Landfills
Appendix E-1, 40CFR60 and 61, Subpart A, Flares, General Provisions
Appendix I-1, List of Insignificant Emissions Units and/or Activities
APPENDIX TV-6, TITLE V CONDITIONS
Tables 1, 2, and 3, Summaries of Requirements for Municipal Solid Waste Landfills

Effective Date: September 25, 2007**Renewal Application Due Date:** February 28, 2012**Expiration Date:** August 30, 2012

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



James N. Bradner, P.E.
Program Administrator
Air Resources Management

JNB/azt

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of an active, Class I municipal solid waste disposal facility (landfill) with a design capacity equal to 45,000,000 cubic yards. The landfill started receiving waste in 1970. It is an active asbestos waste disposal site. There is no bioreactor at the landfill. Non-methane organic compound (NMOC) emissions are calculated to be equal to or greater than 50 megagrams per year. Collection and control of landfill gas emissions began in March 1999. Landfill gas emissions are collected and controlled by two flares.

Based on the Title V Air Operation Permit Revision application received July 22, 2003, the landfill is **not** a major source of HAPs, but is a major source of non-HAP pollutants.

This facility is subject to 40CFR60, Subparts WWW and A and 40CFR63, Subparts AAAA and A.

Also included in this permit are miscellaneous insignificant emissions units and/or activities.

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

<u>E.U. ID No.</u>	<u>Brief Description</u>
-001	Municipal solid waste landfill with two flares

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History
Statement of Basis

These documents are on file with the permitting authority:

Initial Title V Air Operation Permit issued August 10, 1998.
Title V Air Operation Permit Renewal issued August 27, 2002.
Application for a Title V Air Operation Permit Revision received July 22, 2003.
Title V Air Operation Permit Revision issued January 14, 2004.
Application for a Title V Air Operation Permit Renewal received February 27, 2007.

Subsection D. Miscellaneous.

The use of 'Permitting Notes' throughout this permit are for informational purposes only and are not permit conditions.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-6, TITLE V CONDITIONS are a part of this permit.
2. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity).
[Rule 62-296.320(4)(b)1., F.A.C.]
4. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018
 - b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.
[40 CFR 68]
5. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]
6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and

ordered by the Department. To comply, procedures to minimize pollutant emissions shall include the following:

- a. Tightly cover or close all VOC containers when they are not in use;
- b. Tightly cover, where possible, all open troughs, basins, baths, tanks, etc.;
- c. Maintain all piping, valves, fittings, etc. in good operating condition;
- d. Prevent excessive air turbulence across exposed VOC; and
- e. Immediately confine and clean up spills of VOC containing materials.

[Rule 62-296.320(1)(a), F.A.C.]

7. Emissions of Unconfined Particulate Matter. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

- a. Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities;
- b. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne;
- c. Landscaping or planting of vegetation; and
- d. Other techniques, as necessary.

[Rule 62-296.320(4)(c)2., F.A.C.]

8. When appropriate, any recordings, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

9. The permittee shall submit all compliance related notifications and reports required of this permit to the air compliance section of this office:

Florida Department of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803
Telephone: 407/893-3336
Fax: 407/897-5963

10. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155
Fax: 404/562-9163

11. Annual Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the air compliance section of this office and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, F.A.C.]

{Permitting note: This condition implements the requirements of Rules 62-213.440(3)(a)2. &3., F.A.C. (see Condition 51 of APPENDIX TV-6, TITLE V CONDITIONS)}

12. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information. [Rule 62.213.420(4), F.A.C.]

13. Annual Operating Report. A DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" including the Emissions Report, shall be completed for each calendar year **on or before March 1** of the following year and submitted to the air compliance section of this office.

[Rule 62-210.370(3), F.A.C.]

14. At least 180 days prior to the expiration date of this operation permit, the permittee shall submit to this office four copies of the air permit application, DEP Form No. 62-210.900(1).

[Rule 62-4.090(1), F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

<u>E.U. ID No.</u>	<u>Brief Description</u>
-001	Municipal solid waste landfill with two flares

{Permitting note: This emissions unit is regulated under: NSPS - 40 CFR 60, Subpart A, General Provisions, 40 CFR 60 Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills; NESHAP - 40 CFR Part 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart AAAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills adopted and incorporated by reference in Rule 62-204.800, F.A.C.,}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A1. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

A2. The flare control system shall be designed for and operated with no visible emissions except for periods not to exceed a total of five minutes during any two consecutive hours.
[Rule 40 CFR 60.18(c)(1)]

A3. The flare control system shall be operated with a flame present at all times, as determined by a thermocouple or any other equivalent device to detect the presence of a flame.
[40 CFR 60.18(c)(2)]

A4. The maximum permitted emissions of combined hazardous air pollutants (HAPs) from all sources at the facility shall be less than 25.0 tons per consecutive 12 months and the maximum permitted emissions of any individual HAP from the facility shall be less than 10.0 tons per consecutive 12 months.
[Rule 62-210.200(PTE), F.A.C. and permit 1170084-004-AV]

Test Methods and Procedures

{Permitting note: Table 3, Summary of Compliance Requirements for Municipal Solid Waste Landfills, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A5. Each flare must be tested for visible emissions in accordance with EPA Method 22. The test period is 2 hours. Initial testing shall be conducted within 180 days of initial startup and subsequent testing shall be conducted annually.
[Rules 62-4.070 and 62-297.310(4)(a)2., F.A.C.]

A6. The permittee shall notify the Central District Office of the DEP, in writing, at least 15 days prior to the date on which the formal compliance test is to begin. The notification shall include

the date, time and place of each such test, as well as the name of the contact person who will be responsible for coordinating and having such tests conducted for the owner.

[Rule 62-297.310(7)(a)9., F.A.C.]

A7. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

[Rule 62-297.310(8)(b), F.A.C.]

A8. In order to demonstrate compliance with condition number **A4**, the permittee shall maintain a log at the facility for a period of at least five years from the date the data is recorded. The log shall contain the following:

Monthly

- a) month
- b) consecutive 12-month total of:
 - combined HAP emissions
 - individual HAP emissions

Note: A consecutive 12-month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12-month totals using whatever number of months of data are available until such a time as a consecutive 12-month total can be maintained each month.

[Rules 62-4.070(3), and 62-213.440(1)(b)2.b., F.A.C.]

A9. This emission unit is subject to the following requirements from title 40 of the CFR Part 60 (see attached Appendix B and C):

40 CFR 60.7	<u>Notification and record keeping</u>
40 CFR 60.8	<u>Performance tests</u>
40 CFR 60.11	<u>Compliance with standards and maintenance requirements</u>
40 CFR 60.13	<u>Monitoring requirements</u>
40 CFR 60.14	<u>Modification</u>
40 CFR 60.15	<u>Reconstruction</u>
40 CFR 60.752(b)	<u>Standards for air emissions from municipal solid waste landfills</u>
40 CFR 60.757	<u>Reporting requirements</u>
40 CFR 60.758(a)	<u>Record keeping requirements</u>