Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

Permittee:
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34773
Attention: Michael Kaiser, Vice President

FINAL Permit No.: 0970079-007-AV
Facility ID No.: 0970079
SIC Nos.: 49, 4953
Project: J.E.D. Solid Waste Management Facility

The purpose of this permit is to **renew** the Title V Air Operation Permit. The J.E.D. Solid Waste Management Facility is located west of Highway 441, approximately 6.5 miles south of Holopaw, Osceola County; Latitude: 28° 03' 32" North and Longitude: 81° 05' 46" 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 perform the work or 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 A, Combined General Provisions (40 CFR 60, Subpart A for 40 CFR 60, Subpart WWW and 40 CFR 63, Subpart A for 40 CFR 63, Subpart AAAA)
Appendix B, Combined Standard Conditions (40 CFR Part 60, Subpart WWW and 40 CFR 63, Subpart WWW)
Appendix D, Definitions for Subpart WWW – Municipal Solid Waste Landfills
Appendix E, 40 CFR 60 and 61 Subpart A, Flares, General Provisions
Appendix F–Alternate Standards for Low Gas Production Extraction Wells and Leachate Cleanout Riser Connections
Appendix G–Alternate Operating Parameter Value for Specified Gas Extraction Wells
Appendix I-1, List of Insignificant Emission Units and/or Activities
Appendix TV-6, Title V Conditions
Tables 2-1, 2-2, and 2-3, Summaries of Requirements for Municipal Solid Waste Landfills

Effective Date: **May 23, 2010**
Renewal Application Due Date: **November 18, 2014**
Expiration Date: **June 30, 2015**

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Caroline D. Shine
Program Administrator
Air Resource Management

JR/jt

Section I. Facility Information.

Subsection A. Facility Description.

This permit is for the operation of the J.E.D. Solid Waste Management Facility, a Class 1 Landfill, which includes ten (10) cells for Phases 1 through 3, a gas collection and extraction system, one flare, and ancillary equipment supporting the landfill operation. Future phases not covered by this permit may include an additional seventeen (17) landfill cells (21 total), a larger gas collection and extraction system, additional flares up to a total of four (4) flares, and ancillary equipment on approximately 264 acres. At ultimate build-out, the site will contain approximately 53.2 million yards of waste and initial cover material and will reach a height of approximately 330 feet (NGVD).

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

Based on the Title V Air Operation Permit Renewal Application received November 13, 2009, this facility is **not** a major source of hazardous air pollutants (HAPs).

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

E.U. ID No. /Brief Description

- 001 Municipal Solid Waste Class I Landfill with Gas Extraction
- 002 Phase I – Class I Landfill Gas Collection System Flare #1

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, 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/I.D. Number Changes
Statement of Basis

These documents are on file with permitting authority:
Construction Permit 0970079-001-AC issued on April 11, 2003
Initial Title V Air Operation Permit Application received July 28, 2004
Construction Permit Modification 0970079-002-AC issued on September 23, 2004
Additional Information Request dated September 24, 2004
Construction Permit/Title V Air Operation Permit Revision Application received June 19, 2008
Title V Air Operation Permit Renewal Application received November 13, 2009

Subsection D. Miscellaneous.

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

Florida Department of Environmental Protection Permit

Permit Issued to:

Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Osceola County, Florida

Facility ID No.: 0970079

Title V Air Operating Permit

FINAL Permit No.: 0970079-007-AV
(Renewal of Permit No. 0970079-005-AV)
Permit Expires: June 30, 2015

Permitting and Compliance Authority:
Florida Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803
Telephone: 407/893-3334
Fax: 407/897-5963

Title V Air Operation Permit Renewal

FINAL Permit No.: 0970079-007-AV

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Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix A, Combined General Provisions (40 CFR 60, Subpart A for 40 CFR Part 60, Subpart WWW and 40 CFR 63, Subpart A for 40 CFR Part 63, Subpart AAAA)
Appendix B, Combined Standard Conditions (40 CFR Part 60, Subpart WWW and 40 CFR Part 63, Subpart AAAA)
Appendix D, Definitions for Subpart WWW – Municipal Solid Waste Landfills
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Appendix F–Alternate Standards for Low Gas Production Extraction Wells and Leachate Cleanout Riser Connections
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Statement of Basis

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-6, TITLE V CONDITIONS, is 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
P.O. Box 10162
Fairfax, VA 22038
Telephone: 703/227-7650

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, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
Nothing was deemed necessary at this time. [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 re-entrainment, 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. The owner or operator shall complete DEP Form No. 62-210.900(5), F.A.C., "Annual Operating Report for Air Pollutant Emitting Facility," for each calendar year and submit it either electronically using the latest Department Annual Operating Report software or by hard copy to the air compliance section of this office **by April 1** of the following year in accordance with Rule 62-210.370(3), F.A.C. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office. The emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C., for the purposes of the annual operating report. [Rule 62-210.370(3), F.A.C.]

14. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Fee On-Line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rule 62-213.205, F.A.C.]

15. At least 225 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, F.A.C.]

Section III. Emissions Unit(s) and Conditions.

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

E.U. ID No./ Brief Description

- 001 Municipal Solid Waste Class I Landfill with Gas Extraction
- 002 Phase I – Class I Landfill Gas Collection System Flare #1

{Permitting Note: This emission unit is regulated under 40 CFR Part 60, Subpart WWW, NSPS for Municipal Solid Waste Landfills and 40 CFR Part 63, Subpart AAAA, NESHAP for Municipal Solid Waste Landfills, all adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

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

Essential Potential to Emit (PTE) Parameters

A1. Permitted Capacity. The total solid waste disposal rate for the facility shall not exceed 2,631,200 tons per year. The solid waste disposed during Phase I through Phase III shall not exceed 16.2 million tons.
[Applicant Request, Rule 62-210.200(PTE), F.A.C., and Construction Permit 0970079-006-AC]

A2. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C., Construction Permit 0970079-001-AC, and Permit Modification 0970079-002-AC]

Emission Limitations and Standards

A3. The visible emission limitation for the flares must comply with 40 CFR 60.18 (no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours).
[40 CFR 60.18(c)(1), F.A.C., Construction Permit 0970079-001-AC, and Permit Modification 0970079-002-AC]

A4. Criteria Pollutants. Emissions from the facility shall not exceed the following:
- SO_2: 249 tons per any consecutive 12-month period, updated monthly;
- PM/PM10: 12 tons per any consecutive 12-month period, updated monthly;
- VOC: 17 tons per any consecutive 12-month period, updated monthly;
- NO_X: 48 tons per any consecutive 12-month period, updated monthly; and
- CO: 249 tons per any consecutive 12-month period, updated monthly, until a permit is applied for and obtained pursuant to Rule 62-212.400(2), F.A.C., Prevention of Significant Deterioration of Air Quality

[Applicant Request, Rule 62-210,200, (PTE) F.A.C., and Construction Permit 0970079-006-AC]

A5. PSD Applicability. This facility will be subject to the Rules for the Prevention of Significant Deterioration (PSD) and a determination of Best Available Control Technology (BACT) in accordance with Rules 62-212.400 and 62-212.410.
[Rules 62-212.400 and 62-212.410, F.A.C.]

A6. Project Phasing. When applicable, BACT shall be determined based on technology available when the facility becomes subject to PSD and BACT. Subsequent phasing of the project may require the permittee to demonstrate the adequacy of any previous BACT determination.
[40 CFR 51.166 (j)(4), Permit 0970079-001-AC and Permit Modification 0970079-002-AC]

A7. Relaxations of Restrictions on Pollutant Emitting Capacity. If a previously permitted facility or modification becomes a facility or modification which would be subject to the preconstruction review requirements of this rule if it were a proposed new facility or modification solely by virtue of a relaxation in any federally enforceable limitation on the capacity of a facility or modification to emit a pollutant (such as restrictions on hours of operations), which limitation was established after August 7, 1980, then at the time of such relaxation the preconstruction review requirements of this rule shall apply to the facility or modification as though construction had not yet commence on it.
[Rule 62.212.400(2)(g), F.A.C., Permit 0970079-001-AC, and Permit Modification 0970079-002AC]

A8. Operating parameters. The permittee shall submit to the Department Bureau of Air Regulation in Tallahassee and to the Department's Central District office, the design information about the selected fares as soon as it is available but no later than 60 days prior to installation of the flares. This information shall include but not be limited to:

a) Type of flare, model number
b) Volumetric Flow
c) Instruments which are used to measure and monitor gas flow and the flare flame temperature

[Permit 0970079-001-AC, Permit Modification 0970079-002-AC, and Construction Permit 0970079-006-AC]

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.}

A9. Visible Emissions. Compliance with the visible emissions standard shall be determined using EPA Method 22. and shall be for the duration of 2 hours. Such tests shall be conducted within 60 days of completion of construction and initial startup operation, and annually thereafter. The required visible emissions test report shall also contain flare gas flow rate and temperature data.
[40 CFR 60.18(f)(l), Permit 0970079-00 l-AC, and Permit Modification 0970079-002-AC]

A10. 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), Permit 0970079-00 l-AC, and Permit Modification 0970079-002-AC]

A11. Proper devices for continuous monitoring and recording of the gas flow rate, and flame temperature at each flare, shall be installed prior to the collection and disposal of the active landfill gases. Such devices shall be properly calibrated and maintained at all times, according to the manufacturers' written instructions.
[Rule 62-4.070(3) F.A.C., 40 CFR 60, Subpart WWW, Permit 0970079-001-AC, and Permit Modification 0970079-002-AC]

A12. The permittee shall notify the Central District Office of the Department of Environmental Protection, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time and place of each such test, and the test contact person who will be responsible for coordinating and having such tests conducted for the owner or operator.
[Rule 62-297.310(7)(a)9., F.A.C., Permit 0970079-001-AC and Permit Modification 0970079-002-AC]

A13. The type of fuel and the heat input to this source must be entered on the visible emission test report.
[Rule 62-4.070(3), F.A.C., Permit 0970079-001-AC and Permit Modification 0970079-002-AC]

Recordkeeping and Document Submittal

A14. Continuous Monitoring. Proper devices for continuous monitoring and recording of gas flow rate and temperature at each flare, as required by 40 CFR Part 60, §60.18(6)(d) and §60.758(b)(14), shall be installed prior to the collection and disposal of landfill gases. Such devices shall be properly calibrated and maintained at all times according to manufacturers written instructions.

Al5. To demonstrate compliance with Specific Condition Numbers **A1.** and **A4.**, the permittee shall maintain a monthly log at the facility for a period of at least five years from the date that the data are recorded.

Monthly:

a) Designation of month and year of operation for which records are being tabulated;
b) Consecutive 12-month totals of SO_2, PM, VOC, NO_X, and CO emissions;
c) Consecutive 12-month solid waste disposal rate.
[Rule 62-4.070(3), F.A.C.]

Monthly logs shall be completed by the end of the following month. The logs and supporting documents shall be maintained at the facility for at least 5 years and made available to the Department upon request. Logs must document the method, calculations, and formulas used in determining each emission rate. The latest version of AP42 and the flare manufacturer's emission factors shall be used to calculate emissions. [Rule 62-4.070(3), F.A.C.]

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. [Rule 62-4.070(3), F.A.C.]

Al6. This facility is subject to the applicable requirements of 40 CFR Part 60, Subpart A, General Provisions, 40 CFR Part 60, Subpart WWW, NSPS for Municipal Solid Waste Landfills, and 40 CFR Part 63, Subpart AAAA, NESHAP for Municipal Solid Waste Landfills (see attached Appendix A and Appendix B).
[Permit 0970079-001-AC and Permit Modification 0970079-002-AC]