Brevard County Board of County Commissioners
Brevard County Central Disposal Facility

Facility ID No.: 0090069
Brevard County

Title V Air Operation Permit Revision

Draft / Proposed Permit No. 0090069-010-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Title V Section

2600 Blair Stone Road
Mail Station #5505
Tallahassee, Florida 32399-2400

Telephone: (850) 717-9000
Fax: (850) 717-9097

Compliance Authority:

Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803
Telephone (407) 893-3333
Fax: (407) 897-5963

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Table of Contents

Section **Page Number**

Placard Page 1

I. Facility Information 2
- A. Facility Description
- B. Summary of Emissions Unit ID No(s). and Brief Description(s)
- C. Relevant Documents
- D. Miscellaneous

II. Facility-wide Conditions 3

III. Emissions Unit(s) and Conditions
- A. Emission Unit 003: Municipal solid waste landfill with 3 candlestick flares……6
- B. Emissions Units 004, 005, 006, 007, 008, 009: Six I. C. Engines……..8

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
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, 40CFR60 and 61, Subpart A, Flares, General Provisions
Appendix F, 40CFR63 Subpart ZZZZ, Table 2d Landfill or Digester gas-fired stationary RICE
Appendix H-1, Permit History
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix ICE Requirements for Internal Combustion Engines
APPENDIX TV-6, TITLE V CONDITIONS
Tables 1, 2, and 3, Summaries of Requirements for Municipal Solid Waste Landfills
Statement of Basis

Draft/Proposed

Permittee:
Secondary Responsible Official
Mr. Scott Salisbury, Managing Member

Draft / Proposed Permit No. 0090069-010-AV
Facility ID No. 0090069*(Energy Section):* SIC No(s): 49, 4953
Project: Brevard County Central Disposal Facility

Primary Responsible Official (Brevard County Solid Waste Management Central Disposal Facility):
Mr. Euripides Rodriguez, Director
Solid Waste Management Department – Brevard County

The purpose of this permit is to **revise** Title V Air Operation Permit No. 0090069-005-AV. This existing landfill facility is located at 2250 Adamson Road, Cocoa, Florida; UTM Coordinates: Zone 17, 516.75 kilometers (km) East and 3140.57 km North; and, Latitude: 28º 23' 50" North and Longitude: 80º 49' 45" West.

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.

Referenced attachments made a part of this permit:
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
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, 40CFR60 and 61, Subpart A, Flares, General Provisions
Appendix F, Table 2d 40CFR63 Subpart ZZZZ
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix ICE Requirements for Internal Combustion Engines
APPENDIX TV-6, TITLE V CONDITIONS
Tables 1, 2, and 3, Summaries of Requirements for Municipal Solid Waste Landfills
{Permitting Note: Draft/Proposed permit includes only Appendices F and ICE which are new in this revision. The other Appendices remain in effect and will be distributed with the Final Permit.}

Effective Date:	**DRAFT**
Renewal Application Due Date:	**February 13, 2012**
Expiration Date:	**September 30, 2012**

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
_____ *Draft/Proposed*____ _____
Jeffery F. Koerner, Program Administrator (Date)
Permitting and Compliance Section
Division of Air Resource Management

JFK/mk

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of slurry-walled municipal solid waste facility (landfill), identified as emission unit 003, with an active gas collection system. The collection system terminates in a flaring station consisting of three (3) blowers and three (3) candlestick flare destruction devices.
Also included in this permit are miscellaneous insignificant emission units and/or activities.

The facility also includes six (6) Caterpillar, Model G3520C, 2,233 bhp landfill gas-fired internal combustion engines for the generation of up to 9.6 total megawatts (nominal rating) of electricity (1.6 megawatts each).

Based on the Title V Air Operation Permit Revision Application received December 30, 2008, 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**
003	Municipal solid waste landfill with three flares
004 - 009	Six (6) Internal Combustion Engines

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 May 28, 1998
Renewal Title V Air Operation Permit issued June 23, 2003
Application for a Title V Air Operation Permit Renewal received March 29, 2002
Additional Information Request dated May 28, 2002
Additional Information Response received August 14, 2002
Additional Information Request dated September 11, 2002
Additional Information Response received October 21, 2002
Additional Information Request dated November 6, 2002
Additional Information Response received December 20, 2002
Application for a Title V Air Operation Permit Revision received June 4, 2004
Revision Title V Air Operation Permit Application received June 4, 2004
Title V Air Operation Permit Revision issued December 15, 2004
Application for a Title V Air Operation Permit Renewal received April 2, 2007

Title V Air Operation Permit Renewal issued September 26, 2007
Application for a Title V Air Operation Permit Revision received December 30, 2008
Revision Title V Air Operation Permit Application received November 15, 2010

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 10162
Fairfax, VA 22038Telephone: ~~301/429-5018~~ 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, 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. 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. 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. 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(1), 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
003	Municipal solid waste landfill with three 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 AAAA, 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)]

Test Methods and Procedures; Monitoring

{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.}

A4. Each flare must be tested for visible emissions in accordance with EPA Method 22 and including 40 CFR 60.18(d)(e)&(f). The test period is 2 hours. Testing shall be conducted annually.
[Rules 62-4.070 and 62-297.401(22), F.A.C.]

A5. 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.]

A6. 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.]

A7. The owner or operator of an emission unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weigh hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to be determined within 10 percent of its true value.
[Rule 62-297.310(5), F.A.C.]

A8. 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	**Notification and record keeping**
40 CFR 60.8	**Performance tests**
40 CFR 60.11	**Compliance with standards and maintenance requirements**
40 CFR 60.13	**Monitoring requirements**
40 CFR 60.14	**Modification**
40 CFR 60.15	**Reconstruction**
40 CFR 60.752(b)	**Standards for air emissions from municipal solid waste landfills**
40 CFR 60.757	**Reporting requirements**
40 CFR 60.758(a)	**Record keeping requirements**

A9. This emission unit is subject to the applicable requirements of 40 CFR 60, Subpart WWW (see attached Appendix B, C, and D-1); 40 CFR 63, Subpart AAAA (see attached Appendix B and C); and 40 CFR 60.18 (see attached Appendix E).

A10. The source is required to submit a **semi-annual compliance report** by 40 CFR 63.1980(a) and included in attached Table 3.

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

E.U. ID No.	Brief Description
004 - 009	Six (6) Internal Combustion Engines – Caterpillar Model G3520C engines and electrical generators. Each engine has a power generation rating of 2,233 brake horsepower at 100% load. The generator has a power rating of 1,600 kw. The engines will be fueled exclusively with landfill gas (LFG) generated by and received from the Central Disposal Facility. The landfill gas will go through a gas treatment system prior to combustion in the engines.

{Permitting Note: The following specific conditions B1. through B30. are from air construction permit 0090069-004-AC and 0090069-006-AC}

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

Control Technology

B1. H_2S Continuous Monitoring System (CMS) Equipment: Within 30 days of startup of any new or replacement continuous H_2S monitoring unit performance evaluations shall be done using Performance Specification 7. EPA Methods 11,15,15A, or 16 shall be used for conducting the relative accuracy evaluations. The span value for this instrument is 1000 ppmv H_2S. The CMS shall be calibrated, maintained, and operated according to the manufacturer specifications. **The monitoring requirements are subject to 40 CFR 63.8 sections (c),(d), and(g).**
[Design; Rules 62-210.200 (BACT) and 62-4.070(3), F.A.C.]

Fuel Specifications and Work Practices

B2. NSPS and NESHAP Requirements: Emissions Units Nos. 004 – 009 are subject to the following applicable New Source Performance Standards (NSPS) in Title 40, Part 60 of the Code of Federal Regulations (40 CFR 60): Subpart A (General Provisions) and Subpart WWW (MSW Landfills).

The facility operates units subject to the following applicable National Emissions Standards for Hazardous Air Pollutants (NESHAP) in Title 40, Part 63 of the Code of Federal Regulations (40 CFR 63): Subpart A (General Provisions), Subpart AAAA (MSW Landfills), and Subpart ZZZZ (Reciprocating Internal Combustion Engines).
[Rules 62-204.800 and 62-210.300, F.A.C.]

B3. Each engine/generator set is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(232), F.A.C.]

B4. Fuel fired in the engines is limited to treated LFG generated by and received from the Central Disposal Facility. The use of any other fuel will require an amendment to this permit.
[Rule 62-212.400, F.A.C.]

B5. The permittee shall operate each engine at the air-to-fuel ratio that the tested engine demonstrated compliance during the most recent performance test. [Rule 62-212.400, F.A.C.]

B6. The permittee shall operate each engine within 0.5% of the O_2 content in the exhaust gas at the air-to-fuel ratio that the tested engine demonstrated compliance during the most recent performance test.[Rule 62-212.400, F.A.C.]

B7. The permittee shall install and maintain an automatic fail-safe block valve on each engine. The fail-safe block valve must stop the flow of LFG in the event of an engine failure.
[Rule 62-4.070, F.A.C.]
B8. Excess LFG not used as fuel in an engine must be flared in accordance with the requirements of 40 CFR 60 Subpart WWW. [Rule 62-4.070, F.A.C.]

B9. Unless otherwise indicated, the modification/construction and operation of the Caterpillar internal combustion engines shall be in accordance with the capacities and specifications stated in the application.
[Rule 62-210.300, F.A.C.]

B10. No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

B11. The emissions units shall be subject to the following:

a. Excess emissions resulting from startup, shutdown or malfunction of any source shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700, F.A.C.]
b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. [Rule 62-210.700, F.A.C.]
c. In case of excess emissions resulting from malfunctions, each source shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700, F.A.C.]

Emission and Performance Requirements

B12. Nitrogen oxides (NOx): The emission rate of NOx from each engine/generator set exhaust shall not exceed 0.60 gram per brake horsepower hour (g/bhp-hr) and a maximum of 2.95 pounds per hour (lb/hr) and 12.94 tons per year (TPY). [Rule 62-212.400(12), F.A.C.]

B13. Carbon Monoxide (CO): The emission rate of CO from each engine/generator set exhaust shall not exceed 3.50 g/bhp-hr and a maximum of 17.23 lb/hr and 75.3 TPY.
[Rule 62-212.400(12), F.A.C. and Permit No. 0090069-009-AC/PSD-FL-378C]

B14. Particulate matter emissions shall be controlled from each engine/generator set exhaust through the implementation of the following pretreatment and good combustion practices.

- Operate and maintain a landfill gas pretreatment system to dewater, filter and compress the landfill gas prior to combustion in the engines. During the final stage of pretreatment, the landfill gas shall pass through a coalescing filter of 1 micrometer or less to reduce particulate matter prior to combustion.
- Implement good combustion practices to minimize particulate matter emissions: lean-burn combustion design, efficient combustion through the air-fuel controller and preventive and periodic maintenance in accordance with the requirements of 40 CFR 63, Subpart ZZZZ.

{Permitting Note: Pretreatment and good combustion practices are expected to result in a maximum PM_{10} emission rate of 0.24 g/bhp-hour, 1.18 lb/hr, and 5.17 TPY.}

[Rule 62-212.400(12), F.A.C. and Permit No. 0090069-009-AC/PSD-FL-378C]

B15. Volatile Organic Compounds (VOC): The emission rate of total VOC from each engine/generator set exhaust shall not exceed 0.28 g/bhp-hr and a maximum of 1.37 lb/hr and 5.99 TPY.
[Rule 62-212.400(12), F.A.C.]
{Permitting Note: Project avoids PSD review for VOC based on emission limits.}

B16. Hydrogen Chloride (HCl): The emission rate of HCl from each engine/generator set shall not exceed 10.9 lb/MMscf and 1.66 TPY.
[Rule 62-210.200(184), F.A.C.]
{*Permitting Note: Facility remains a minor source of HAP emissions based on permit limits.}*

B17. Sulfur Dioxide (SO_2): The emission rate of SO_2 from each engine/generator set shall not exceed 2.64 lbs/hr and 11.55 tons/year (TPY). The total SO_2 emissions from the six engines shall not exceed 69.3 TPY.
[Rule 62-212.400, F.A.C.]
{Permitting Note: Project avoids PSD review based on emission limits.}

B18. Hydrogen Sulfide H_2S: The concentration of H_2S in the landfill gas used as fuel in the engines shall not exceed 455 ppmv on a weekly rolling average, calculated on a calendar day basis, nor shall it exceed 550 ppmv on a 24-hour rolling average basis, calculated on an hourly basis. The concentration of H_2S shall be measured by the continuous monitoring system.
[Rules 62-212.400 and 62-4.070(3), F.A.C.]

B19. Visible emissions from each engine/generator set exhaust shall not exceed 10% opacity. [Rule 62-212.400, F.A.C.]

Test Methods and Procedures

B20. Performance Test Methods
Initial (I), Annual (A) and permit renewal (R) compliance tests shall be performed in accordance with the following reference methods as described in 40 CFR 60, Appendix A and 40 CFR 51 Appendix M, adopted by reference in Chapter 62-204.800, F.A.C. Initial, annual and renewal compliance tests shall be conducted on only one of the six engines. A different engine shall be tested each year such that all engines are tested during the six-year cycle.

(a) EPA Method 7 or 7E – Determination of NOx Emissions from Stationary Sources (I,A);
(b) EPA Method 9 – Visual Determination of the Opacity of Emissions from Stationary Sources (I,A);
(c) EPA Method 10 – Determination of CO Emissions from Stationary Sources (I,A);
(d) EPA Method 18, 25, 25A or 25C – Measurement of Gaseous Organic Compounds Emissions (I,R);
(e) EPA Method 26 or 26A – Determination of HCl Emissions from Stationary Sources (I,A);
(f) EPA Reference Method 6, 6C or 19 – Determinations of SO_2 Emissions (I, A).

EPA Methods 1 through 4 shall be used as necessary to support other test methods. No other test methods may be used for compliance testing unless prior DEP approval is received, in writing, from the Department.
[Rule 62-297.310(7), F.A.C. and FDEP Emissions Monitoring Section Memo dated February 4, 2008.]

B21. The permittee shall comply with the following requirements to monitor the sulfur and chlorine content of the landfill gas:

a. The permittee shall sample and analyze the landfill gas for H_2S and chlorine content. The gas sample collected for the analyses shall be a composite sample and collected under normal operating conditions (i.e., with valves open for all operating cells). The gas sample collection and analyses for chlorine content shall be done semi-annually. Landfill gas sulfur (as H_2S) sampling and analysis under this condition shall be required for one year period (two semi-annual analyses) once the CMS equipment specified by this permit is installed and operational. Based on the sampling results and Rule 62-297.310(7)(b), F.A.C., the Department may request additional gas sampling and analyses. Results shall be reported as SO_2 and HCl emission factors in terms of lb/MMscf (equivalent in ppmv) and lb/MMBtu of landfill gas.
b. During each required compliance test conducted for HCl, the permittee shall sample and analyze the landfill gas for the chlorine content. Results for the compliance test shall be reported in terms of HCl emissions in lb/hr and the sample analysis result shall be reported as HCl emission factor in terms of lb/MMscf of landfill gas.
c. Analysis of the chlorine content shall be used to track changes in the landfill gas. Based on the analysis, the Compliance Authority may require additional stack testing for HCl emissions to determine compliance with the emissions standard.
d. Compliance with the fuel sulfur specification shall be determined based on each analysis for the sulfur content of the landfill gas.

[Rules 62-210.200(184), 62-210.200(232) and 62-212.400(12), F.A.C.]

B22. Annually, the subject emissions units shall be tested for compliance with the applicable emission limits. For the duration of all tests the emission units shall be operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then the emission unit may be tested at less than permitted capacity (i.e., 90% of the maximum operating rate allowed by the permit); in this case, subsequent emission unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emission unit is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
[Rule 62-297.310(2), F.A.C.]

Recordkeeping, Reporting, and Monitoring Requirements

B23. Total landfill gas flow to the engines shall be continuously measured and recorded.
[Rule 62-210.200 (232), F.A.C.]

B24. Gross electrical power generation (kw-hrs) shall be continuously measured and recorded for each engine individually and for the six engines combined.
[Rule 62-210.200(232), F.A.C.]

B25. Each engine/generator set shall be equipped with a non-resetable elapsed time meter to indicate, in cumulative hours, the elapsed engine operating time.
[Rule 62-210.200(232), F.A.C.]

B26. The permittee shall maintain the following records on a monthly basis:

a. The hours of operation of each engine/generator set, including any start-up, shutdown or malfunction in the operations of the engine/generator set.
b. The total landfill gas flow to each engine.
c. Gross electrical power generation in kw-hr for each engine and the six engines combined.
d. Exceedances of the allowed H_2S ppmv concentrations:

- The date the exceedance occurred;
- An explanation of the exceedance;
- A description of the action taken, if any.
- For any periods for which monitoring data are not available, any changes made in operation of the CMS system during the period of data unavailability which could affect the ability of the system to meet the applicable H_2S limit. Operations of the CMS system and affected facility during periods of data unavailability are to be compared with operations of the CMS system and affected facility before and following the period of data unavailability.
- A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.

[Rules 62-210.200(BACT), and 62-4.070(3), F.A.C.]

B27. The permittee shall submit the results and the corresponding data of the site-specific HCl emission factor and the SO_2 emission factor within 45 days of gas sampling to the Bureau of Air Regulation. The results shall also be submitted to the Central District Office.
[Rules 62-210.200(232) and 62-210.200(264), F.A.C.]

B28. 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.]

B29. 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.]

B30. In order to demonstrate compliance with condition number **B12** through **B18**, 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 monthly emission rates of the specified pollutants.
[Rules 62-4.070(3), and 62-213.440(1)(b)2.b., F.A.C.]