Republic Services of Florida, Ltd.
Cedar Trail Landfill

Facility ID No. 1050439
Polk County

Initial Title V Air Operation Permit

Permit No. 1050439-001-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Southwest District

13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Telephone: (813) 632-7600
Fax: (813) 632-7668

Compliance Authority:

State of Florida
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FINAL PERMIT

PERMITTEE:
Republic Services of Florida, Ltd.
8619 Western Way
Jacksonville, Florida 32256

Permit No. 1050439-001-AV
Cedar Trail Landfill
Facility ID No. 1050439
Initial Title V Air Operation Permit

The purpose of this permit is for the initial Title V air operation permit for the above referenced facility. The existing Cedar Trail Landfill is located in Polk County at 2500 West S.R. 60, Bartow, Florida. UTM Coordinates are: Zone 17, 413.4 East and 3087.6 North. Latitude is: 27°54”43” North; and, Longitude is: 81°52”48” West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: 02/29/2012
Renewal Application Due Date: 07/19/2016
Expiration Date: 03/01/2017

_____
Robert C. Wong
District Air Program Administrator
Southwest District

RCW/dz/cm

Subsection A. Facility Description.

This permitted facility is a solid waste landfill consisting of existing Class III landfill areas and a new Class I landfill area. The new Class I landfill area consists of eight (8) recently permitted (solid waste permit was issued on December 23, 2010) Class I solid waste landfill cells, and miscellaneous associated landfill operations, such as leachate storage tanks and yard waste handling. The waste permitted to be accepted in the Class I landfill includes waste classified as municipal solid waste (MSW).

The existing Class III landfill areas began accepting waste in April of 1993, and will reach their design capacity in 2012. The new Class I landfill began accepting waste on May 31, 2011 (in Cell 5), and it is expected to reach its design capacity in 2019.

Based on the permitted design capacity of the new Class I landfill area, the entire landfill facility (Class III and Class I areas) is subject to Rule 62-204.800(8)(b)(75), F.A.C. and Federal New Source Performance Standard (NSPS) 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills). In accordance with Rule 204.800(8)(b)75, F.A.C. and Subpart WWW 40 CFR 60.752(b), this facility is subject to the Title V major source air operation permitting requirements of Chapter 62-213, F.A.C.

The facility also includes a small stationary emergency generator powered by a diesel fuel fired combustion ignition reciprocating internal combustion engine.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
001	Solid Waste Landfill (includes municipal solid waste (MSW))
003	New Stationary Emergency Generator Diesel Fuel Fired Compression Ignition (CI) Reciprocating Internal Combustion Engine (RICE) *(See Appendix ICE)*
Unregulated Emissions Units and Activities	
002	Fugitive PM/PM10 Emissions from Roads and Earthmoving Operations associated with the landfill

Subsection C. Applicable Regulations.

Based on the initial Title V air operation permit application received June 21, 2011, this facility is not a major source of hazardous air pollutants (HAP). A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
NESHAP 40 CFR 63 Subpart A (General Provisions for 40 CFR 63)	001
NESHAP 40 CFR 63 Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills)	001
NSPS 40 CFR 60 Subpart A - General Provisions for 40 CFR 60	001, 003
NSPS 40 CFR 60 Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills	001
NSPS 40 CFR 60 Subpart IIII - Standards of Performance for Compression Ignition Internal Combustion Engines	003
Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C.	All

SECTION II. FACILITY-WIDE CONDITIONS.

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices - The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. **Not federally Enforceable** Objectionable Odor Prohibited - No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General 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 or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

(Permitting Note: Nothing is deemed necessary and ordered at this time.)

FW4. General Visible Emissions - No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

FW5. Unconfined Particulate Matter - No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a. Application of water to roadways as needed to control fugitive emission from vehicle movement. The frequency of watering varies with prevailing weather conditions at the landfill.

b. Posting and enforcing appropriate speed limits for vehicles traveling on roadways on site.

[Rule 62-296.320(4)(c), F.A.C.; proposed by applicant in Title V air operation permit application received June 21, 2011]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Annual Operating Report - The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]

FW7. 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 Emissions 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.]

FW8. Annual Statement of Compliance - The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective.
[Rules 62-213.440(3)(a)2. & 3. and (3)(b), F.A.C.]

FW9. Prevention of Accidental Releases (Section 112(r) of CAA) - If and when the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

b. 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]

The specific conditions in this section apply to the following emissions unit (EU):

EU ID No.	Brief Emission Unit (EU) Description
001	Solid Waste Landfill (includes municipal solid waste (MSW)) *(see more detailed description below)*

Detailed Emission Unit (EU) Description

The solid waste landfill consists of existing Class III landfill areas (i.e., a landfill accepting waste that does not include putrescible (capable of decaying or rotting) household waste) of approximately 32.1 aces and 52.5 acres, and a combined design capacity of approximately 3,883,732 megagrams (Mg) (4,281,010 tons); and a new Class I area of approximately 72.9 acres and a permitted design capacity of 6,168,053 Mg (6,799,000 tons) and 8.0 million cubic meters (m^3). The new Class I landfill facility consists of eight (8) recently permitted (solid waste permit was issued on December 23, 2010) Class I solid waste landfill cells (Cells 5 thru 12). The waste permitted to be accepted in the new Class I area does not include Garbage, or other Household Waste except waste from residential sources classified as Class III waste, and does include waste that would be classified as municipal solid waste (MSW).

The Class III landfill areas began accepting waste in April of 1993 and will reach its design capacity in 2012. The new Class I landfill began accepting waste on May 31, 2011 (in Cell 5) and it was estimated that 272,800 tons of waste would be accepted during 2011. Estimated waste acceptance rates for the period 2013 through 2018 are expected to be 858,00 tons of waste per year (and moderately lower for 2012 and 2019), with the Class I landfill area expected to reach its design capacity in 2019.

Based on the permitted design capacity of the Class I landfill area (which includes MSW), the entire landfill facility (Class III and Class I) is subject to Rule 62-204.800(8)(b)(75), F.A.C. and Federal New Source Performance Standard (NSPS) 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills). Based on the amended revised Subpart WWW Tier 1 non-methane organic compounds (NMOC) emission rate estimates for Cedar Trail Landfill submitted *(electronically)* on November 10, 2011, NMOC emissions for 2011 are estimated at 204.5 megagrams (Mg)/year*. This is above the 50 Mg/year NSPS Subpart WWW trigger level for requiring a LFG collection and control system. This also triggers the applicability of NESHAP 40 CFR 63 Subpart AAAA (National Emission Standards for Hazardous Air Pollutants (NESHAP): Municipal Solid Waste Landfills)**.

(NMOC Emission Rate Report Note - Subpart WWW 40 CFR 60.757(b) requires that an initial Tier I NMOC emission rate report shall be submitted. The Tier I MNOC emission estimate procedure uses a very conservative (i.e., high) EPA default value for C_{NMOC}, the concentration of NMOC in the landfill gas (LFG) generated by the landfill. This default value is typically significantly higher than the actual site-specific value for C_{NMOC}. This means that the resulting NMOC emission rate estimate is also very conservative, again typically significantly overestimating the site-specific NMOC emissions. If the report submitted using the Tier 1 default EPA MNOC concentration value shows NMOC emission $\geq$ 50 MG/year, then under the provisions of 40 CFR 60.754(a)(2)(ii) and 60.757(c)(1), the owner or operator has the option to conduct Tier 2 sampling and analysis to establish a site specific NMOC concentration value and, within 180 days of the first Tier 1 emission rate report that shows $\geq$ 50 Mg/Year, resubmit the NMOC emission rate report based on this Tier 2 site specific concentration value. The permittee has stated their intention to do this Tier 2 NMOC emission estimate process by no later than April 25, 2012 (i.e., 180 days after the October 28, 2011 Tier I estimate was submitted).)*

*(** NESHAP Applicability Note - NESHAP 40 CFR 63 Subpart AAAA is applicable to facilities that are subject to NSPS Subpart WWW and also have NMOC emissions ≥ 50 Mg year (40 CFR 63.1935(a)(3).)*

Essential Potential to Emit (PTE) Parameters

A.1. Hours of Operation - The hours of operation for this emissions unit are not restricted (i.e., permitted for 8,760 hours/year).
[Rules 62-4.160(2), and 62-210.200 (Definitions - Potential to Emit), F.A.C.]

Subsection AA. Specific Conditions Applicable To Landfill When NMOC Emissions Are Equal to or Greater Than 50 Mg/year.

The specific conditions of this subsection (Subsection AA.) apply upon until such time as the permittee submits a Subpart WWW Tier 2 (or Tier 3) NMOC emission rate estimate for the Cedar Trail Landfill which shows NMOC emissions of < 50 Mg/year. At that time the specific conditions of Subsection AB. become applicable in place of those in Subsection AA. The specific conditions of Subsection AA. become applicable again in place of those in Subsection AB. upon a subsequent NMOC emission rate report showing NMOC emissions ≥ 50 Mg/year.

AA.1. **Federal NSPS and NESHAP Requirements** - This emissions unit is subject to and shall comply with the applicable requirements of federal New Source Performance Standard (NSPS) 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills), as adopted and incorporated by reference in Rule 62-204.800(8)(b), F.A.C.; and National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart AAAA (National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills), as adopted and incorporated by reference in Rule 62-204.800(11)(b), F.A.C.); which are contained in the attached Appendix NSPS 40 CFR 60 Subpart WWW and Appendix NESHAP 40 CFR 63 Subpart AAAA (*see below for listing of applicable sections/subsections)*. This emission unit is also subject to and shall comply with the applicable requirements of the 40 CFR 60 and 40 CFR 63 Subpart A General Provisions requirements, as adopted and incorporated by reference in Rules 62-204.800(8)(d), and (11)(d), F.A.C., which are contained in the attached Appendix NSPS 40 CFR 60 Subpart A and Appendix NESHAP40 CFR 63 Subpart A.

NSPS 40 CFR 60 Subpart WWW and NESHAP 40 CFR 63 Subpart AAAA Applicable Provision References [1,2] (*60.7## are Subpart WWW Sections and 63.19## are Subpart AAAA Sections.)*

60.750 Applicability, designation of affected facility, and delegation of authority (Subpart WWW).
(*entire section)*

63.1930 What is the purpose of this subpart?
(*entire section)*

63.1935 Am I subject to this subpart ?
(*entire section)*

63.1940 What is the affected source of this subpart?
(*entire section)*

63.1945 When do I have to comply with this subpart?
63.1945(f)

63.1950 When am I no longer required to comply with the requirements of this subpart?

(*entire section)*

(continued)

AA.1. *(continued)*

63.1985 Who enforces this subpart?
(*entire section)*

60.751 and **63.1990** Definitions.
(*entire section)*

60.752 Standards for air emissions from municipal solid waste landfills.
60.752(b)(2)
60.752(d)

63.1955 What requirements must I meet?
63.1955(a) through (c)

60.753 Operational standards for collection and control systems.
(entire section)

60.754 Test methods and procedures.
(entire section)

60.755 Compliance provisions.
(entire section)

63.1960 How is compliance determined?
(entire section)

63.1965 What is a deviation?
(entire section)

63.1975 How do I calculate the 3-hour block average used to demonstrate compliance?
(entire section)

60.756 Monitoring of operations.
60.756(a)
60.756(c)
60.756(f)

60.757 Reporting requirements.
60.757(b) through (g)

60.758 Recordkeeping requirements.
60.758(a)
60.758(b)(4)
60.758(c)(2)
60.758(c)(4)
60.758(d) and (e)

63.1980 What records and reports must I keep and submit?
63.1980(a)
63.1980(b)
63.1980(g)
63.1980(h)

60.759 Specifications for active collection systems.
(entire section)

AA.1. *(continued)*

([1] Applicable Requirement Permitting Note - These applicability references are based upon current operations as reflected in the initial Title V permit renewal application received 06/21/11 as revised by the 11/10/11 submittal of revised application pages and a revised NMOC emission rate estimate. Any change in operations may change the applicable provisions. If at any time any portion of the facility meets the definition of a bioreactor contained in NESHAP Subpart AAAA 40 CFR 63.1990, then the permittee shall notify the Department within 60 days of this determination and submit an application for a Title V air operation permit revision. At that time the above list of applicable requirements will be revised to include those applicable to bioreactors.)

*([2] **IMPORTANT** - NESHAP Subpart AAAA Note - Most of the requirements of NESHAP 40 CFR 63 Subpart AAAA reference directly back to the requirements of NSPS 40 CFR 60 Subpart WWW. However, Subpart AAAA does include several additional requirements, most importantly the requirement to develop and implement a written startup, shutdown and malfunction plan (SSM Plan) (see 40 CFR 63.1960 in Appendix NESHAP 40 CFR 63 Subpart AAAA, and 40 CFR 63.6(e)(3) in Appendix NESHAP 40 CFR 63 Subpart A), and the requirement for submittal of a semi-annual compliance report (see 40 CFR 60.757(f) and 40 CFR 63.1980 in Appendix NSPS 40 CFR 60 Subpart WWW and Appendix NESHAP 40 CFR 63 Subpart AAAA).)*

[Rules 62-204.800(8) and 62-204.800(11), F.A.C.; 40 CFR 60 Subparts A and WWW; 40 CFR 63 Subparts A and AAAA]

Permitting Note – The following requirements (Specific Conditions AA.2 through AA.4.) are from NSPS 40 CFR 60 Subpart WWW, included in Appendix NSPS 40 CFR 60 Subpart WWW, which is attached to and a part of this permit. They are also shown here in the body of the permit in order to highlight them. Underlining has been added for emphasis.)

AA.2. NSPS 40 CFR 60 Subpart WWW LFG Collection and Control System Design Plan Submittal - In accordance with Subpart WWW 40 CFR 60.752(b)(2)(i), and 60.757(c), except as provided for in 60.757(c)(1) and (2) *(see Specific Condition No. AA.3.)*, the owner or operator shall submit a landfill gas collection and control system design plan prepared by a professional engineer. The design plan shall be submitted to the Permitting Authority within 1 year of the first report in which the NMOC emission rate equals or exceeds 50 megagrams (Mg) per year (i.e., no later than October 28, 2012), unless a subsequent Tier 2 (or Tier 3) NMOC emission rate report shows an NMOC emission rate of < 50 Mg/year. The design plan shall meet the applicable requirements of 40 CFR 60.752(b)(2) and 60.759.
[Rule 62-204.800(8), F.A.C.; NSPS Subpart WWW 40 CFR 60.752(b) and 60.757(c)]

AA.3. Option to Submit NSPS Subpart WWW 40 CFR 60.757(c) Tier 2 or Tier 3 Revised Tier 2 NMOC Emission Rate Report -

a. If the owner or operator elects to recalculate the NMOC emission rate after Tier 2 NMOC sampling and analysis as provided in 40 CFR 60.754(a)(3), and the resulting rate is less than 50 Mg/year, then a landfill gas collection and control system (and design plan) is not required. The revised NMOC emission rate report, with the recalculated emission rate based on Tier 2 NMOC sampling and analysis, shall be submitted to the Permitting Authority within 180 days of the first calculated exceedance of 50 Mg/year (i.e., no later than April 25, 2012, 180 days after the

October 28, 2011 submittal of the revised Tier 1 NMOC emission rate estimate). [40 CFR 60.754(a)(2)(ii) & (3), and 60.757(c)(1)]

AA.3. *(continued)*

b. If, after using the above Tier 2 process, the owner or operator elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in 40 CFR 60.754(a)(4), and the resulting NMOC emission rate is less than 50 Mg/yr, then a LFG collection and control system (and design plan) is not required *(see c. below)*. The revised NMOC emission rate report based on the provisions of 60.754(a)(4) and the resulting site-specific methane generation rate constant (k), along with the site-specific NMOC concentration as determined by the Tier 2 process, shall be submitted to the Permitting Authority within 1 year of the first calculated emission rate exceeding 50 Mg/year (i.e., no later than October 28, 2012, 1 year after the October 28, 2011 submittal of the revised Tier 1 NMOC emission rate estimate). [40 CFR 60.754(a)(3)(ii) & (4), and 60.757(c)(2)]

c. If either option a. or b. above is used to show a calculated NMOC emission rate < 50 Mg/year, then required annual NMOC emission rate reporting in accordance with 40 CFR 60.752(b) and 60.757(b) shall be resumed, using the Tier 2 determined site-specific NMOC concentration, and/or the Tier 3 site-specific methane generation rate, until the calculated emission rate is equal to or greater than 50 Mg/year, or the landfill is closed. The owner or operator shall retest the site-specific NMOC concentration every 5 years using the Tier 2 methods specified in 60.754(a)(2)(c). [40 CFR 60.754(a)(3)(iii) and 60.757(c)] *(See Subsection AB.)*

[Rule 62-204.800(8), F.A.C.; NSPS Subpart WWW 40 CFR 60.752(b), 60.754(a) and 60.757(b) & (c)]

AA.4. NSPS Subpart WWW 40 CFR 60.752(b)(2)(ii) Collection and Control System Installation Requirements **-** The owner or operator shall install a landfill gas (LFG) collection and control system that captures the gas generated within the landfill as required by 60.752(b)(2)(ii)(A) or (B), and (b)(2)(iii), within 30 months after the first annual report in which the emission rate equals or exceeds 50 Mg/year (i.e., no later than April 25, 2014, 30 months from the October 28, 2011 submittal of the revised Tier 1 NMOC emission rate estimate), unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 Mg/year, as specified in 60.757(c)(1) or (2) *(see Specific Condition AA.3.)*.
[Rule 62-204.800(8), F.A.C.; NSPS Subpart WWW 40 CFR 60.752(b)(2)(ii) and 60.757(c)]

Subsection AB. Specific Conditions Applicable To Landfill When NMOC Emissions Are Less Than 50 Mg/year

The specific conditions of this subsection (Subsection AB.) apply if and when the permittee submits a Subpart WWW Tier 2 (or Tier 3) NMOC emission rate estimate for the Cedar Trail Landfill which shows NMOC emissions of < 50 Mg/year*. At that time the specific conditions of Subsection AB. become applicable in place of those in Subsection AA. The specific conditions of Subsection AA. become applicable again in place of those in Subsection AB. upon a subsequent NMOC emission rate report showing NMOC emissions ≥ 50 Mg/year.

(Subpart WWW Tier 2 Procedure Note - Under the provisions of 40 CFR 60.754(a)(2)(ii) and 60.757(c)(1), the owner or operator has the option to conduct Tier 2 sampling and analysis to establish a site specific NMOC concentration value and, within 180 days of the first Tier 1 emission rate report that shows ≥ 50 Mg/Year, resubmit the NMOC emission rate report based on this Tier 2 site specific concentration value. This report must be submitted no later than April 25, 2012 (i.e., 180 days after the October 28, 2011 revised Tier I estimate was submitted.)*

Federal New Source Performance Standards (NSPS) Requirements

AB.1. Applicable Federal 40 CFR 60 NSPS MSW Landfill Standards - This emissions unit is subject to and shall comply with the applicable requirements *(*of Federal New Source Performance Standard (NSPS) 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills), as adopted and incorporated by reference in Rule 62-204.800(8)(b), F.A.C. contained in the attached Appendix NSPS 40 CFR 60 Subpart WWW *(see below for listing of applicable sections/subsections)*. This emission unit is also subject to and shall comply with the applicable requirements of the 40 CFR 60 Subpart A General Provisions requirements, as adopted and incorporated by reference in Rules 62-204.800(8)(d), F.A.C., contained in the attached Appendix NSPS 40 CFR 60 Subpart A General Provisions.

40 CFR 60 Subpart WWW Applicable Provision References*

60.750 Applicability, designation of affected facility, and delegation of authority.
(*entire section)*

60.751 Definitions.
(*entire section)*

60.752 Standards for air emissions from municipal solid waste landfills.
60.752(b)
60.752(d)

60.754 Test methods and procedures.
60.754(a)
60.754(c)

60.757 Reporting requirements. *(see also Specific Condition No. A.*
60.757(b)**, (c), and (d)

60.758 Recordkeeping requirements.
60.758(a)

(continued)

AB.1. *(continued)*

(NSPS Subpart WWW Applicable Requirements Note - Based on the most recent Tier 2 (or Tier 3) NMOC emission rate estimate this facility is currently not subject to the Subpart WWW landfill gas (LFG) collection and control system requirements (which are triggered by NMOC emissions ≥ 50 Mg/year), nor the associated testing, monitoring, recordkeeping or reporting requirements.)*

*(** NSPS Subpart WWW NMOC Emission Rate Reporting Requirement Note - Until such time as an annual NMOC emission rate report is submitted which shows an estimated NMOC emissions rate from this landfill of ≥ 50 Mg/year, this reporting requirement is the primary Subpart WWW applicable requirement for this facility/emission unit. For convenience and emphasis, the reporting requirements of 40 CFR 60.757(b) and (c) are included in this permit in Specific Condition No. AB.2. below,)*

[Rule 62-204.800(8), F.A.C.; 40 CFR 60 Subparts A and WWW]

Reporting and Submittal Requirements

(Permitting Note – The following Subpart WWW requirements are included in Appendix NSPS 40 CFR 60 Subpart WWW, which is attached to and a part of this permit. They are also shown here in the body of the permit in order to highlight them. Underlining has been added for emphasis.)

AB.2. NSPS Subpart WWW 40 CFR 60.757 (b) & (c) NMOC Emission Rate Reporting Requirements - The permittee shall comply with the following NMOC emission rate reporting requirements from Subpart WWW 40 CFR 60.757(b) & (c):

40 CFR 60.757 Reporting requirements

(b) Each owner or operator subject to the requirements of this subpart shall submit an NMOC emission rate report to the Administrator initially and annually thereafter, except as provided for in paragraphs (b)(1)(ii) or (b)(3) of this section. The Administrator may request such additional information as may be necessary to verify the reported NMOC emission rate.

(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754(a) or (b), as applicable.

(i) The initial NMOC emission rate report may be combined with the initial design capacity report required in paragraph (a) of this section and shall be submitted no later than indicated in paragraphs (b)(1)(i)(A) and (B) of this section. Subsequent NMOC emission rate reports shall be submitted annually thereafter, except as provided for in paragraphs (b)(1)(ii) and (b)(3) of this section.

(A) June 10, 1996, for landfills that commenced construction, modification, or reconstruction on or after May 30, 1991, but before March 12, 1996, or

(B) Ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction on or after March 12, 1996.

(continued)

AB.2. *(continued)*

(ii) If the estimated NMOC emission rate as reported in the annual report to the Administrator is less than 50 megagrams per year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Administrator. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Administrator. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emission

(3) Each owner or operator subject to the requirements of this subpart is exempted from the requirements of paragraphs (b)(1) and (2) of this section, after the installation of a collection and control system in compliance with §60.752(b)(2), during such time as the collection and control system is in operation and in compliance with §§60.753 and 60.755.

(c) Each owner or operator subject to the provisions of §60.752(b)(2)(i) shall submit a collection and control system design plan to the Administrator within 1 year of the first report required under paragraph (b) of this section in which the emission rate equals or exceeds 50 megagrams per year, except as follows:

(1) If the owner or operator elects to recalculate the NMOC emission rate after Tier 2 NMOC sampling and analysis as provided in §60.754(a)(3) and the resulting rate is less than 50 megagrams per year, annual periodic reporting shall be resumed, using the Tier 2 determined site-specific NMOC concentration, until the calculated emission rate is equal to or greater than 50 megagrams per year or the landfill is closed. The revised NMOC emission rate report, with the recalculated emission rate based on NMOC sampling and analysis, shall be submitted within 180 days of the first calculated exceedance of 50 megagrams per year.

(2) If the owner or operator elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in §60.754(a)(4), and the resulting NMOC emission rate is less than 50 Mg/yr, annual periodic reporting shall be resumed. The resulting site-specific methane generation rate constant (k) shall be used in the emission rate calculation until such time as the emissions rate calculation results in an exceedance. The revised NMOC emission rate report based on the provisions of §60.754(a)(4) and the resulting site-specific methane generation rate constant (k) shall be submitted to the Administrator within 1 year of the first calculated emission rate exceeding 50 megagrams per year.

[Rule 62-204.800(8)(b), F.A.C.; NSPS Subpart WWW 40 CFR 60.757]

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary*

Appendix I, List of Insignificant Emissions Units and/or Activities*

Appendix ICE, Requirements for Internal Combustion Engines*

Appendix NESHAP 40 CFR 63 Subpart A (General Provisions for 40 CFR 63)

Appendix NESHAP 40 CFR 63 Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills)

Appendix NSPS 40 CFR 60 Subpart A (General Provisions for 40 CFR 60)

Appendix NSPS 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills)

Appendix NSPS 40 CFR 60 Subpart IIII –Set G (Standards of Performance for Compression Ignition Internal Combustion Engines - [Owner/operator 2007 and later model, non-fire pump emergency, less than 10L per cylinder])

Appendix RR, Facility-wide Reporting Requirements*

Appendix TV, Title V General Conditions*

Appendix U, List of Unregulated Emissions Units and/or Activities*

* All of these appendices are included in one combined electronic document entitled: 1050439.001.av.d-p.Rep Serv.Cedar Trail Landfill.combined appendices.doc

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Statement of Basis

Table H, Permit History