Citrus County Board of County Commissioners
Department of Public Works
Solid Waste Management Division
Citrus County Central Landfill

230 West Gulf to Lake Highway
Lecanto, Florida 34461

Facility ID No. 0170366
Citrus County

Title V Air Operation Permit Revision
FINAL Permit No. 0170366-003-AV
Revision to Title V Operation Permit No. 0170366-001-AV

Permitting and Compliance Authority:
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL, 33637-0926,
Telephone: 813/7632-7600
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Title V Air Operation Permit Revision
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Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Permittee:
Citrus County Board of County Commissioners
Citrus County Division of Solid Waste
P.O. Box 340
Lecanto, FL 34460-0340

FINAL Permit No.: 0170366-003-AV
Facility ID No.: 0170366
SIC Nos.: 49, 4953
Project: Title V Operation Permit Revision

This permit revision is being issued to incorporate the terms and conditions of Air Construction Permit No. 0170366-002-AC for a landfill gas (LFG) candlestick flare, and also to incorporate NESHAP 40 CFR 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) which is applicable to the stationary reciprocating internal combustion engines (RICE) at this facility. This permit is for the operation of the Citrus County Central Landfill. This facility is located at 230 West Gulf to Lake Highway in Lecanto, Florida, Citrus County: UTM Coordinates: Zone 17, 361.25 km East and 3192.24 km North; Latitude: 28° 51′ 07″ North and Longitude: 82° 26′ 12″ West.

STATEMENT OF BASIS: This 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, 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 I-1, List of Insignificant Emissions Units and/or Activities

Appendix U-1, List of Unregulated Emissions Units and/or Activities

APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/06 with AOR and Renewal updates 11/10/2008)

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

Appendix 40 CFR 60 Subpart A, General Provisions for 40 CFR 60

Appendix NESHAP 40 CFR 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)

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

Summary of NESHAP 40 CFR 63 Subpart ZZZZ Applicable Requirements for Existing Stationary Reciprocating Internal Combustion Engines (RICE) at Area Sources of HAP

Initial Effective Date: 01/15/2007
Revision Effective Date: 03/24/2011
Renewal Application Due Date: 06/04/2011
Expiration Date: 01/15/2012

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

_____
Cindy Zhang-Torres, P.E.
Air Permitting Manger
Southwest District

Section I. Facility Information.

Subsection A. Facility Description.

This facility is engaged in landfilling of municipal solid waste (MSW). This landfill has a design capacity greater than 2.5 million megagrams by mass and 2.5 million cubic meters by volume. Landfill operation commenced at this site in 1975. MSW was accepted in the now closed 60 acre western section of the landfill from 1975 through 1990. The 20 acre Phase I Class I landfill cell began accepting waste in 1990 and continued through 2005. The active Phase II cell of the Class I landfill (which brought the permitted landfill capacity above the 2.5 million megagrams and 2.5 million cubic meters level) began accepting MSW in October of 2005 and is expected to reach its capacity in 2014. (At that time a new Phase III is expected begin operation, which will provide additional capacity expected to last until 2027.) Based on the NSPS Tier 2 Sampling and NMOC (Non-Methane Organic Compounds) Emission Estimate Report for this facility dated June 29, 2006, the projected yearly waste acceptance rate was approximately 100,000 Mg/year for 2006 and ~~is~~ was projected to increase to approximately 128,000 Mg/year for 2011. Based on the June 29, 2006 NMOC emission rate report, the NMOC emissions are estimated to be 16.6 megagrams per year for the year 2011 *. This landfill does not contain a bioreactor. While asbestos was accepted at this landfill in the past it is no longer an active asbestos waste disposal site. This landfill has a voluntarily installed *(i.e., not required by NSPS Subpart WWW – see Subsection C. below)* LFG collection system in Phase I and portions of Phase II, with an open candlestick flare used to combust the collected LFG. The LFG collection system and flare became operational in April of 2010.

(* **NMOC Emission Estimate Report Note** – In accordance with NSPS Subpart WWW 40 CFR 60.754(a)(3)(iii) and 60.757(b)(1)(ii), the permittee shall retest the site-specific NMOC concentration every 5 years and the NMOC emission rate estimate shall be revised at least once every 5 years. This means Tier 2 sampling and analysis must be conducted and a new NMOC emission rate report submitted no later than June 29, 2011. *(See Specific Condition No. A.4.)*

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities associated with the landfilling operations. *(See below and Appendix I-1)*

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

Regulated Emissions Units and/or Activities*

E.U. ID No.	Brief Description
001	Municipal Solid Waste Landfill with LFG collection System and Open Candlestick Flare

003	Existing Stationary Compression Ignition (CI) Reciprocating Internal Combustion Engines (RICE) rated at ≤ 300 HP *(subject to NESHAP 40 CFR 63 Subpart ZZZZ)*
004	Existing Emergency Generator Stationary Compression Ignition (CI) Reciprocating Internal Combustion Engine (RICE) *(subject to NESHAP 40 CFR 63 Subpart ZZZZ)*

Unregulated Emissions Units and/or Activities

E.U. ID No.	Brief Description
002	Fugitive PM/PM10 Emissions (Roads and Earthmoving Operations)

Subsection C. Applicable Regulations.

Facility Title V Major Source Permit Status –
Based on the initial Title V permit application dated March 22, 2006, and the Title V revision application submitted on 09/02/10, potential emissions from this facility, including hazardous air pollutants (HAPs), before and after the installation of the LFG candlestick flare, are less than the Rule 62-210.200(194), F.A.C. Title V major source level. However, in accordance with the requirements of Rule 62-204.800(8)(b)74., F.A.C. and NSPS Subpart WWW 40 CFR 60.752(b), a facility subject to this NSPS is also subject to the Title V permitting requirements. Therefore this facility is a Title V source by designation.

40 CFR 60 Federal New Source Performance Standards (NSPS)
This MSW landfill (EU No. 001) has a permitted design capacity greater than 2.5 million megagrams by mass and 2.5 million cubic meters by volume, thereby making it subject to the requirements of NSPS 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills), as adopted by reference in Rule 62-204.800(8)(b), F.A.C. At the time of issuance of this Title V permit, NMOC (non-methane organic compound) emissions were less than 50 Mg/year (estimated at 16.6 Mg/year for 2011 based on the June 29, 2006, NSPS Tier 2 Sampling and NMOC Emission Estimate Report for the Citrus County Central Landfill). Therefore this MSW landfill is not currently subject to the LFG collection and control system requirements of Subpart WWW (40 CFR 60.752(b)).

The stationary reciprocating internal combustion engines (RICE) located at this facility(EU Nos. 003 and 004) are not subject to the requirements of NSPS 40 CFR 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines) based on their dates of manufacture.

40 CFR 63 Federal National Emission Standards for Hazardous Air Pollutants (NESHAP)
The existing (as defined in Subpart ZZZZ 40 CFR 63.6590(a)) stationary internal combustion engines (RICE) at this facility (EU Nos. 003 and 004) are subject to NESHAP 40 CFR 63 Subpart

ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) *(see EU Nos. 003 and 004 in Section III., Subsection B.)*.

(NESHAP Applicability Note - NESHAP 40 CFR 63 Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) is not applicable to this facility at this time since estimated uncontrolled non-methane organic compound (NMOC) are less than 50 megagrams per year (40 CFR 63.1935(a)(3).)

Prevention of Significant Deterioration (PSD)
The current Citrus County Central Landfill facility is a minor PSD source in accordance with Rule 62-212.400, F.A.C. This includes potential emissions from the candlestick utility flare based on the operation of the flare at the maximum design capacity flow rate of the LFG collection system blower for 8,760 hours per year.

Subsection D. 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:

- Table 3 - Summary of Compliance Reporting Requirements (40 CFR 60 Subpart WWW)
- Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
- Appendix H-1, Permit History
- Statement of Basis

These documents are on file with permitting authority:

- Initial Title V Permit Application dated 03/22/06
- Citrus County Central Landfill Revised Design Capacity Report and Tier 1 NMOC Emission Rate Report dated 12/30/05
- Citrus County Central Landfill Tier 2 Sampling and NMOC Emission Estimate Report dated 06/29/06
- Air Construction Permit for a landfill gas (LFG) flare at the Central County Landfill (0170366-002-AC) issued 02/10/09
- Application for a Title V Air Operation Permit revision to incorporate the LFG flare at the Citrus County Central Landfill received (electronically as an EPSAP application) on 09/02/2010
- Department Request for Additional Information letter sent out electronically on 10/29/10
- Response to the Department RAI, from the applicant's consultant, SCS Engineers, dated 12/11/10 and received on 12/27/10

Section II. Facility-wide Conditions.

*(**Permitting Note** - The effective date of these facility-wide conditions is 01/15/2007, unless otherwise noted.)*

The following conditions apply facility-wide:

1. APPENDIX TV-6, TITLE V CONDITIONS, is a part of this permit.

General Pollutant Emission Limiting Standards

2. General Pollutant Emission Limiting Standards: 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 is 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.
[Rules 62-210.200, and 62-296.320(2), F.A.C.; Construction Permit 0170366-002-AC]
(Effective Date: 03/24/11)

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). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.; Construction Permit 0170366-002-AC]

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 22038
Telephone: 703/227-7650

and,

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] (Effective Date: 03/24/11)

5. Unregulated Emissions Units and/or Activities - Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.
[Rule 62-213.440(1), F.A.C.]

6. 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.]

7. 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.
[Rule 62-296.320(1)(a), F.A.C.]

8. [Not federally enforceable.] Unconfined Emissions of 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. Pursuant to Rules 62-296.320(4)(c)1., 3. & 4., F.A.C., reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following requirements (see Condition 57. of APPENDIX TV-6, TITLE V CONDITIONS):

The following requirements are "not federally enforceable:

- Application of water to roadways as needed to control fugitive emission from vehicle movement. Road watering of unpaved roads during operating hours is not required if there is no vehicular traffic on the unpaved roadways.
- Posting and enforcing appropriate speed limits for vehicles traveling on roadways on site.
- Removal of particulate matter from roads and other paved areas under the control of the permittee of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.

[Rule 62-296.320(4)(c)2., F.A.C.; permit application dated 03/22/06]

9. When appropriate, any recording, 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.]

10. 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 Department 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))

11. Department Reporting Address - The permittee shall submit all compliance related notifications and reports required of this permit to the Southwest District or office.

Department of Environmental Protection
Southwest District Office
13051 N. Telecom Parkway,
Temple Terrace, FL, 33637-0926
Telephone: 813/632-7600
Fax: 813/632-7668

12. USEPA Reporting Address - 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 and EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155, Fax: 404/562-9163

13. 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.]

Reporting and Recordkeeping Requirements

14. Road Watering Records - In order to document compliance with the road watering requirement of Condition No. 8, the permittee shall maintain daily records showing times road watering was conducted, and notations of the reasons (i.e. operating or weather conditions) for periods when watering was not considered necessary. Road watering of unpaved roads during operating hours is not required if there is no vehicular traffic on the unpaved roadways. [Rule 62-213.440(1)(b), F.A.C.]

15. When appropriate, any recording, 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.]

16. Annual Operating Report (AOR) - On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Air Compliance section of the Southwest District Office of the Department. (*See also Appendix TV-6, Title V Conditions, Condition No. 24(3).)* [Rule 62-210.370(3), F.A.C.]

***NOTES TO PERMITTEE*:**

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

Permit Renewal - see Appendix TV-6, item 5

(Renewal Application Submittal Note - Title V permit renewal application must be submitted no later than 225 days prior to the expiration date of this permit.)

Section III. Emissions Unit and Conditions.

*(**Permitting Note** - The Effective Date of all of the emission unit specific conditions below is 03/24/2011.)*

Subsection A. This section addresses the following emissions unit.

E.U. ID No.	Brief Description
001	Municipal Solid Waste Landfill with LFG Collection System and Open Candlestick Flare

For the operation of a Class I municipal waste disposal facility (landfill) consisting of a now closed 60 acre western section of the landfill, a 20 acre Phase I Class I landfill cell, and the currently active Phase II cell of the Class I landfill (which brought the permitted landfill capacity above the 2.5 million megagrams and 2.5 million cubic meters level) that began accepting MSW in October of 2005. This landfill does not contain any cells or areas that are operated as a bioreactor (as defined in NESHAP 40 CFR 63 Subpart AAAA). While asbestos was accepted at this landfill in the past it is no longer an active asbestos waste disposal site. The landfill has a voluntarily installed *(i.e., not required by NSPS Subpart WWW – see 40 CFR 60 New Source Performance Standards (NSPS) in Section I. (Facility Information), Subsection C. (Applicable Regulations))* landfill gas (LFG) collection and control system on Phase I and portions of Phase II, with an open candlestick flare used to combust the collected LFG. The LFG collection system and candlestick flare control device became operational on April 23, 2010. The flare is an emission control device for odor, volatile organic compounds (VOC), hazardous air pollutants (HAPs), and non-methane organic compounds (NMOC). The flare is designed to achieve 98% destruction efficiency of VOC and NMOC. The candlestick flare can combust up to 700 scfm of LFG collected from the landfill (blower capacity is 700 scfm (maximum)), and is equipped with a pilot flame fueled by propane/natural gas, a pilot monitoring thermocouple, a main flame monitoring thermocouple, an inlet flame arrestor, and a flame flashback indicator. The flare is designed in accordance with the criteria for flares established in NSPS Subpart A 40 CFR 60.18.

The following specific conditions apply to the emissions unit 001 listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Hours of Operation - This emissions unit, including the landfill gas (LFG) flare, is allowed to operate continuously, i.e., 8,760 hours/year.
[Rules 62-4.160(2), and 62-210.200 (Definitions – Potential to Emit), F.A.C.; Construction Permit 0170366-002-AC]

Operation Requirements

A.2. Circumvention of Control Equipment - The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control device (candlestick flare) operating properly. The candlestick flare shall be in operation during all periods that LFG is being routed to the flare. The candlestick flare shall be operated and maintained in accordance with the manufacturer's recommend practices. The operation and maintenance manual for the candlestick flare will be kept on site and made available for inspection by the Department.
[Rules 62-4.070(3), and 62-210.650, F.A.C.; Construction Permit 0170366-002-AC]

Federal New Source Performance Standards (NSPS) Requirements

A.3. 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

Listed below in *italics* are the applicable sections/subsections of 40 CFR 60 Subpart WWW. These applicability references are based upon current facility operations and NMOC emission rates as reflected in the Tier 2 Sampling and NMOC Emission Rate Report for the Citrus County Central Landfill dated June 29, 2006 *. Any change in operations may change the applicable provisions.

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

60.758 Recordkeeping requirements.
60.758(a)

(NSPS Subpart WWW Applicable Requirements Note - Based on the June 29, 2006 Tier 2 Sampling and NMOC Emission Rate Report, which showed estimated NMOC emissions of 16.6 Mg/year for the year 2011, this facility is currently not subject to the Subpart WWW LFG collection and control system requirements, 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 this section are included in this permit in Specific Condition No. A.4. below.)*

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

Reporting and Notification Requirements

A.4. 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):

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

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)

(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 emissions.

(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.

(Tier 2 Note - In accordance with 40 CFR 60.754(a)(3)(iii), the Tier 2 Sampling and Analysis to determine the site-specific NMOC concentration shall be re-done every 5 years.)*

[Rule 62-204.800(8)(b), F.A.C.; NSPS Subpart WWW 40 CFR 60.757; Construction Permit 0170366-002-AC]]

A.5. Notification of Relocation of the LFG Candlestick Flare - The permittee shall notify the Southwest District Air Compliance Section any time the LFG candlestick flare is relocated to a different location on the site. The notification shall be submitted in writing within 15 days of operation of the flare at the new location. The notification shall include the following information.

a. The date operation of the flare was terminated at its previous location

b. The date the flare was relocated to its current location.

c. A description of the new location, including a site plan of the facility showing the new and old location.

d. The reason for relocation of the flare.

[Rule 62-4.070(3), F.A.C.; Construction Permit 0170366-002-AC]

Additional Permitting Requirements

A.6. Permitting for Additional NSPS/NESHAP Flare Requirements - Should NMOC emissions at this facility exceed 50 MG/year, thereby triggering the LFG collection and control system requirements of NSPS 40 CFR 60 Subpart WWW and NESHAP 40 CFR 63 Subpart AAAA, then, within one year of the date of the NSPS Subpart WWW NMOC emission rate report which establishes the applicability of these requirements, the permittee shall submit an application for a modification to the construction permit for this flare to add the applicable NSPS and NESHAP flare LFG control device operational, monitoring, recordkeeping, and reporting requirements. This requirement does not apply if this candlestick flare is not the LFG control device that will be used to comply with the NSPS and NESHAP requirements. Rather, a construction permit shall be applied for and obtained for that NSPS/NESHAP control device.
[Rules 62-4.070(3), 62-204.800(8)(b) & (11)(b), and 62-210.300, F.A.C.; NSPS 40 CFR 60 Subpart WWW; NESHAP 40 CFR 63 Subpart AAAA; Construction Permit 0170366-002-AC]

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

[The Effective Date of this subsection is 03/24/11.]

E.U. ID No.	Brief Description
003	Existing Stationary Compression Ignition (CI) Reciprocating Internal Combustion Engines (RICE) rated at ≤ 300 HP *(subject to NESHAP 40 CFR 63 Subpart ZZZZ)*
004	Existing Emergency Generator Stationary Compression Ignition (CI) Reciprocating Internal Combustion Engine(s) (RICE) *(subject to NESHAP 40 CFR 63 Subpart ZZZZ)*

EU 003 - Existing Stationary CI RICE < 300 HP, consists of the following stationary compression ignition (CI) engines at this facility:

Engine Manufacturer -Model	Engine HP Rating	Date (Year) of Manuf./Const.	Engine Location/Purpose
Kubota Model D005-BG-E (2)	10.5 each	2003	powers Almand light towers (2) located in the bone yard closed site and in landfill cell
Perkins Model LD33469	50	1989	powers Mac stormwater pump located in landfill cell
Deutz	99	2004	powers Acme pump located on west road by #4 DRA

(Engine Use Note – The applicant states that all of the above engines are limited use engines. In order to be considered limited use engines for the purposes of 40 CFR 63 Subpart ZZZZ, the engines must meet the definition of limited use stationary RICE in 40 CFR 63.6675 (i.e., must operate less than 100 hours per year).)

EU 004 - Existing Emergency Generator Stationary CI RICE, consists of the following stationary emergency* generator compression ignition (CI) engine at this facility:

Engine Manufacturer - Model	Engine HP Rating	Date (Year) of Manuf./Const.	Emergency* Generator Location/Purpose
Caterpillar Model 3208	123.5	1997	Near bulb shed near parking area

(Emergency RICE Note – In order to be considered an emergency RICE subject to the 40 CFR 63 Subpart ZZZZ requirements for emergency CI RICE, the engine must be operated in accordance with the requirements specified in 40 CFR 63.6640(f).)*

*(**Permitting Note** – All of the above stationary CI RICE engines are exempt from the construction permit requirements of Rule 62-210.300(1), F.A.C., in accordance with the provisions of Rule 62-210.300(3)(a)36., F.A.C. (i.e., conditional exemption for general purpose internal combustion engines) based on overall fuel usage in accordance with the provisions of this rule.)*

*(**Stationary RICE Engine Listing Note** – The above listings of stationary CI RICE engines at this facility is based upon the information submitted in an attachment to a December 22, 2010 letter submitted by the applicant's consultant, SCS Engineers, in response to a Department request for additional information on stationary RICE at the facility.)*

NOTE - IMPORTANT REGULATORY CLASSIFICATIONS -

Federal 40 CFR 60 New Source Performance Standard (NSPS) Applicability

NSPS Subpart IIII – NSPS 40 CFR 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines) does not apply to any of these CI engines based on their date of manufacture (i.e., before June 12, 2006).

Federal 40 CFR 63 National Emissions Standard for Hazardous Air Pollutants (NESHAP) Applicability

NESHAP Subpart ZZZZ - NESHAP 40 CFR 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) is applicable to these engines as existing stationary Reciprocating Internal Combustion Engines (RICE) at an area source of hazardous air pollutants (HAPs).

The following specific conditions apply to the emissions units listed above:

Operation Requirements

B.1. Operating Hours - There are no specific limitations on operating hours for these engines. *(See also the Permitting Note below the descriptions of these emission units.)*
[Rules 62-4.160(2), and 62-210.200 (Definitions – Potential to Emit), F.A.C.]

Applicable Federal Requirements

B.2. Federal 40 CFR 63 NESHAP Subpart ZZZZ Requirements - The engines in EU Nos. 003 and 004 are subject to the applicable requirements of NESHAP 40 CFR 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines), which is attached to this permit as **Appendix NESHAP 40 CFR 63 Subpart ZZZZ**, as it applies to existing RICE at area sources of hazardous

(continued)

B.2. *(continued)*

air pollutants (HAP). The applicable requirements for each engine category and HP rating range are shown in the **Summary of NESHAP 40 CFR 63 Subpart ZZZZ Applicable Requirements for Existing RICE at Area Sources of HAP**, attached to this permit.
[Rule 62-4.070(3), F.A.C.; NESHAP 40 CFR 63 Subpart ZZZZ]

*(Compliance Note – The final compliance date for the applicable Subpart ZZZZ requirements for the existing compression ignition **(CI)** RICE engines at this area source of HAP is 05/03/2013.)*

B.3. Federal NESHAP 40 CFR 63 Subpart A General Provisions Requirements - The engines in EU Nos. 003 and 004 are subject to the applicable requirements of NESHAP 40 CFR 63 Subpart A (General Provisions for 40 CFR 63), as adopted and incorporated by reference in Rules 62-204.800(11)(d), F.A.C., which is attached to this permit as **Appendix NESHAP 40 CFR 63 Subpart A General Provisions**. The applicable requirements of Subpart A are shown in Table 8 to 40 CFR 63 Subpart ZZZZ *(see Appendix NESHAP 40 CFR 63 Subpart ZZZZ)*.
[Rule 62-208.800(11)(d), F.A.C.; NESHAP 40 CFR 63 Subpart ZZZZ]