A.C.M.S., Inc.
A.C.M.S. Class I Landfill

Facility ID No. 1190053
Sumter County

Initial Title V Air Operation Permit

Permit No. 1190053-001-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
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

Initial Title V Air Operation Permit

Permit No. 1190053-001-AV

Table of Contents

Section **Page Number**

I. Facility Information.
- A. Facility Description. 2
- B. Summary of Emissions Units. 2
- C. Applicable Regulations. 3

II. Facility-wide Conditions. 4

III. Emissions Units and Conditions.
- A. EU No. 001 - Solid Waste Landfill. 6
  - AA. Specific Conditions Applicable To Landfill When NMOC Emissions Are Less Than 50 Mg/year.. 10
  - AB. Specific Conditions Applicable To Landfill When NMOC Emissions Are Equal to or Greater Than 50 Mg/year ……13

IV. Appendices. 17
- Appendix A, Glossary
- Appendix I, List of Insignificant Emissions Units and/or Activities
- 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 to 40 CFR 60)
- Appendix NSPS 40 CFR 60 Subpart WWW (Standards of Performance for Municipal Solid Waste Landfills)
- Appendix RR, Facility-wide Reporting Requirements
- Appendix TV, Title V General Conditions
- Appendix U, List of Unregulated Emissions Units and/or Activities

Referenced Attachments. ..... At End
- Statement of Basis
- Table H, Permit History.

DRAFT/PROPOSED PERMIT

PERMITTEE:
A.C.M.S., Inc.
P.O. Box 949
Lake Panasoffkee, Florida 33538

Permit No. 1190053-001-AV
A.C.M.S. Class I Landfill
Facility ID No. 1190053
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 under-construction A.C.M.S. Class I Landfill is located in Sumter County on CR 529 in Bushnell, Florida. UTM Coordinates are: Zone 17, 393.40 East and 3179.39 North. Latitude is: 28°44”15” North; and, Longitude is: 82°5”30” 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: *Month Day, 20xx*
Renewal Application Due Date: *Expiration Date-225 days*
Expiration Date: *Effective Date + 5 years*

(Draft/Proposed)

_____

Robert C. Wong
District Air Program Administrator
Southwest District

RCW/dz/clm

Subsection A. Facility Description.

This facility is an under-construction Class I solid waste landfill with a total design capacity of approximately 8.5 million cubic yards (6.5 million cubic meters) by volume, and 5.1 million tons (4.64 million megagrams (Mg)) by mass. The facility has a DEP solid waste construction permit for four subcells (Subcells 1 – 4) totaling 58.8 acres. The waste permitted to be accepted in this Class I landfill includes waste classified as municipal solid waste (MSW).

Initial construction on lined Subcells 1 and 2 (total of 29.3 acres) of the landfill commenced on May 21, 2012. The landfill expects to begin receiving waste during the first quarter of 2013. The estimated annual waste acceptance rate will increase from 501,562 to 581,447 tons/year (455,965 to 528,588 Mg/year), with an estimated waste acceptance design life of 9.25 years. Based on typical landfill emission estimates*, NMOC emissions during the 5 year term of this permit are estimated to increase from 0 Mg/year (0 tons/year) for 2012, to 37.9 Mg/year (41.8 tons per year) for 2017.

The initial construction of the facility will not include a landfill gas collection and control system. The design of the facility does not include any areas that would be defined as a bioreactor in accordance with NESHAP Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) 40 CFR 63.1990. This facility will be an active asbestos disposal site.

Based upon typical landfill emission estimates*, this facility will not be major source of HAPs, nor will it be a major stationary source in accordance with Rule 62-212.400 (PSD), F.A.C.

*(*Estimated Emissions Note – Based on NMOC emission estimates for this facility from EPA LandGEM modeling using EPA AP-42 typical MSW landfill parameter values).*

Based on the permitted design capacity, this Class I landfill facility 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.

Subsection B. Summary of Emissions Units (EUs).

EU ID No.	Brief Emission Unit (EU) Description
Regulated Emissions Units	
001	Solid Waste Landfill (includes municipal solid waste (MSW))
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 ID No(s).
NSPS 40 CFR 60 Subpart A - General Provisions for 40 CFR 60	001
NSPS 40 CFR 60 Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills	001
Rule 62-204.800((8)(b)75. (40 C.F.R. Part 60, Subpart WWW, Municipal Solid Waste Landfills), F.A.C.)	001
Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C.	001, 002

(* Applicable Regulations Note - NESHAP 40 CFR 63 Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) and 40 CFR 63 Subpart A (General Provisions for 40 CFR 63) will become applicable to this facility (EU No. 001) if and when NMOC emissions are > 50 Mg/year *(see Section III Subsection A*).)

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. monitoring intermediate cover erosion;

b. application of water to suppress dust on unpaved roads, open stockpiles or similar activities; and

c. removal of particulate matter from rods or other paved areas as needed to prevent entrainment.

[Rule 62-296.320(4)(c), F.A.C.; proposed by applicant in Title V air operation permit application received August 17, 2012]

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

This permitted facility is an under-construction Class I solid waste landfill with a total design capacity of approximately 8.5 million cubic yards (6.5 million cubic meters) by volume, and 5.1 million tons (4.64 million megagrams (Mg)) by mass. The facility is a new site with no waste currently in place which has a DEP solid waste construction permit for four subcells (Subcells 1 – 4) totaling 58.8 acres. The waste permitted to be accepted in this Class I landfill includes waste classified as municipal solid waste (MSW), and also includes asbestos containing materials, commercial waste, industrial waste, agricultural waste, C & D debris, water and air treatment sludge, industrial and domestic sludge, incinerator and WTE (waste to energy) ash, and shredded tires.

Initial construction on lined Subcells 1 and 2 (total of 29.3 acres) of the landfill commenced on May 21, 2012. The landfill expects to begin receiving waste during the first quarter of 2013. The estimated annual waste acceptance rate will increase from 501,562 to 581,447 tons/year (455,965 to 528,588 Mg/year), with an estimated waste acceptance design life of 9.25 years. Based on typical landfill emission estimates*, NMOC emissions during the 5 year term of this permit are estimated to increase from 0 Mg/year (0 tons/year) for 2012, to 37.9 Mg/year (41.8 tons per year) for 2017.

*(*Estimated Emissions Note – Based on NMOC emission estimates for this facility from EPA LandGEM modeling using EPA AP-42 typical MSW landfill parameter values.)*

The design of the facility does not include any areas that would be defined as a bioreactor in accordance with NESHAP Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) 40 CFR 63.1990. The initial installation of the landfill does not include a landfill gas (LFG) collection and control system.

Based on the permitted design capacity, this Class I landfill facility 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. A landfill gas collection and control system is not required at this time, and will not be required until NMOC emissions reach the level at which the Subpart WWW collection and control system requirements are triggered (i.e., 50 Mg/year)**.

*(** 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 for the year of the report, 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 a revised NMOC emission rate report based on this Tier 2 site specific concentration value. The Tier I NMOC Emission Rate*

Report submitted for this facility on June 29, 2012 showed NMOC emissions of 0 Mg/yr for 2012 and 108.7 Mg/yr for 2013. This means that when the 2013 annual NMOC emission rate report is submitted, if it is still based on the Tier I default concentration value it will likely show NMOC emissions ≥ 50 Mg/yr, thereby triggering the provisions discussed above.)

(NESHAP Subpart AAAA 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.; as requested by applicant]

Federal Asbestos Rule Requirements

A.2. Applicable 40 CFR 61 NESHAP Subpart M Asbestos Disposal Standards - This emission unit is subject to and shall comply with the requirements of 40 CFR 61 National Emission Standard for Hazardous Air Pollutants (NESHAP) Subpart M - National Emission Standard for Asbestos (as adopted and incorporated by reference in Rule 62-204.800(10)(b) 8., F.A.C.) as they apply to active asbestos disposal sites. The applicable portions of 40 CFR 61 Subpart M are shown below:

40 CFR 61.154 Standard for active waste disposal sites.

Each owner or operator of an active waste disposal site that receives asbestos-containing waste material from a source covered under § 61.149, 61.150, or 61.155 shall meet the requirements of this section:

(a) Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of paragraph (c) or (d) of this section must be met.

(b) Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as follows, or the requirements of paragraph (c)(1) of this section must be met.

(1) Warning signs must be displayed at all entrances and at intervals of 100 m (330 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material is deposited. The warning signs must:

(i) Be posted in such a manner and location that a person can easily read the legend; and

(ii) Conform to the requirements of 51 cm × 36 cm (20&inch;×14&inch;) upright format signs specified in 29 CFR 1910.145(d)(4) and this paragraph; and

(continued)

A.2. *(continued)*

(iii) Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph.

Legend	Notation
Asbestos Waste Disposal Site.....	2.5 cm (1 inch) Sans Serif, Gothic or Block.
Do Not Create Dust.....	1.9 cm (3/4 inch) Sans Serif, Gothic or Block.
Breathing Asbestos is Hazardous to Your Health…..	14 Point Gothic.

Spacing between any two lines must be at least equal to the height of the upper of the two lines.

(2) The perimeter of the disposal site must be fenced in a manner adequate to deter access by the general public.

(3) Upon request and supply of appropriate information, the Administrator will determine whether a fence or a natural barrier adequately deters access by the general public.

(c) Rather than meet the no visible emission requirement of paragraph (a) of this section, at the end of each operating day, or at least once every 24-hour period while the site is in continuous operation, the asbestos-containing waste material that has been deposited at the site during the operating day or previous 24-hour period shall:

(1) Be covered with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, or

(2) Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the Administrator. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

(d) Rather than meet the no visible emission requirement of paragraph (a) of this section, use an alternative emissions control method that has received prior written approval by the Administrator according to the procedures described in § 61.149(c)(2).

(e) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:

(1) Maintain waste shipment records, using a form similar to that shown in Figure 4, and include the following information:

(i) The name, address, and telephone number of the waste generator.

(ii) The name, address, and telephone number of the transporter(s).

(iii) The quantity of the asbestos-containing waste material in cubic meters (cubic yards).

(iv) The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material not sealed in leak-tight containers. Report in writing to the local,

(continued)

A.2. *(continued)*

State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site, by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment record along with the report.

(v) The date of the receipt.

(2) As soon as possible and no longer than 30 days after receipt of the waste, send a copy of the signed waste shipment record to the waste generator.

(3) Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.

(4) Retain a copy of all records and reports required by this paragraph for at least 2 years.

(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

(g) Upon closure, comply with all the provisions of § 61.151.

(h) Submit to the Administrator, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities.

(i) Furnish upon request, and make available during normal business hours for inspection by the Administrator, all records required under this section.

(j) Notify the Administrator in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Administrator at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:

(1) Scheduled starting and completion dates.

(2) Reason for disturbing the waste.

(3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the Administrator may require changes in the emission control procedures to be used.

(4) Location of any temporary storage site and the final disposal site. (Secs. 112 and 301(a) of the Clean Air Act as amended (42 U.S.C. 7412, 7601(a)).

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

The specific conditions of this subsection (Subsection AA.) apply until such time as the permittee submits a Subpart WWW NMOC emission rate estimate for the A.C.M.S., Inc. Class I Landfill which shows NMOC emissions of ≥ 50 Mg/year for the year being reported. 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 Tier 2 (or Tier 3) revised NMOC emission rate report* showing NMOC emissions< 50 Mg/year for the year of the report.

(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 a revised NMOC emission rate report based on this Tier 2 site specific concentration value.)*

Federal New Source Performance Standards (NSPS) Requirements

AA.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. AA.2.)*
60.757(b)**, (c), and (d)

60.758 Recordkeeping requirements.
60.758(a)

(continued)

AA.1. *(continued)*

(NSPS Subpart WWW Applicable Requirements Note - Based on the initial Subpart WWW Tier 1 NMOC emission rate estimate for 2012, 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 for the year being reported, 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. AA.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.)*

AA.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)

AA.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]

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

The specific conditions of this subsection (Subsection AB.) apply when the permittee submits a Subpart WWW NMOC emission rate estimate for the A.C.M.S. Class I Landfill which shows NMOC emissions of $\geq$ 50 Mg/year for the year being reported. 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. if and when the permittee submits a subsequent Subpart WWW Tier 2 (or Tier 3) revised NMOC emission rate report for the A.C.M.S. Class I Landfill which shows NMOC emissions of < 50 Mg/year for the year being reported*. The specific conditions of Subsection AB become applicable again in place of those in Subsection AA. upon a subsequent NMOC emission rate report showing NMOC emissions $\geq$ 50 Mg/year for the year being reported.

(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 $\geq$ 50 Mg/Year for the year being reported, resubmit a revised NMOC emission rate report based on this Tier 2 site specific concentration value (see Specific Condition No. AB.3.).)*

AB.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)*

(continued)

AB.1. *(continued)*

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)*

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)

(continued)

AB.1. *(continued)*

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)

([1] Applicable Requirement Permitting Note - These applicability references are based upon expected operations as reflected in the initial Title V permit application received 08/17/12. 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 AB.2 through AB.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.)*

AB.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. AB.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 for the year being reported, unless a subsequent Tier 2 (or Tier 3) NMOC emission rate report shows an NMOC emission rate of < 50 Mg/year for that 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)]

AB.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 for the year being reported, 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.
[40 CFR 60.754(a)(2)(ii) & (3), and 60.757(c)(1)]

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/year for the year being reported, 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.
[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 for the year being reported, 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)]

AB.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, 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 AB.3.)*.
[Rule 62-204.800(8), F.A.C.; NSPS Subpart WWW 40 CFR 60.752(b)(2)(ii) and 60.757(c)]

(Permitting Note – Any LFG control system requires an air construction permit to be applied for and issued prior to the start of construction.)*

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 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 RR, Facility-wide Reporting Requirements

Appendix TV, Title V General Conditions

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

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Statement of Basis

Table H, Permit History