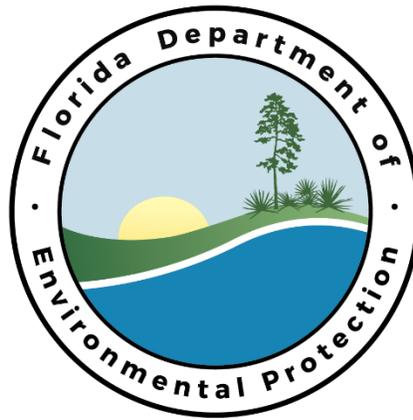


Waste Management Inc. of Florida
Monarch Hill Landfill {formerly known as Central Disposal}
Facility ID No. 0112094
Broward County

Title V Air Operation Permit Renewal
Permit No. 0112094-010-AV
(Renewal of Title V Air Operation Permit No. 0112094-008-AV)



Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road
Mail Station #5505
Tallahassee, Florida 32399-2400
Telephone: 850/717-9000
Fax: 850/717-9097

Compliance Authority:

Broward County
Pollution Prevention Division - Air Quality
One North University Drive, Suite 203
Plantation, Florida 33324-2038
Telephone: 954/519-1220
Fax: 954/519-1495

Title V Air Operation Permit Renewal

Permit No. 0112094-010-AV

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Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE:

Waste Management Inc. of Florida
2700 Wiles Road
Pompano Beach, Florida 33073

Permit No. 0112094-010-AV
Monarch Hill Landfill
Facility ID No. 0112094

Project: Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. This existing facility is located in Broward County at 2700 Wiles Road, Pompano Beach, Florida; UTM Coordinates are: Zone 17, 583.19 East and 2908.03 North. Latitude is: 26° 17' 16" North; and, Longitude is: 80° 09' 58" West.

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, 62-213 and 62-214. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: March 14, 2016
Renewal Application Due Date: August 1, 2020
Expiration Date: March 14, 2021

For:

Syed Arif, P.E., Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

SA/dlr/sms

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

The existing Monarch Hill Landfill is located in Broward County at 2700 Wiles Road, Pompano Beach, Florida.

The Monarch Hill Landfill is an active Class I Landfill with a municipal solid waste (MSW) design capacity greater than 2.5 million megagrams (Mg) by mass or 2.5 million cubic meters by volume. The Monarch Hill Landfill also has a construction and demolition (C&D) debris portion of the landfill. The overall design capacity of the landfill as of 2015 is 80 million cubic yards. There are 391.5 acres permitted to receive MSW and 44.5 acres for ash monofill. Of the 44.5 acres for the ash monofill, 31 acres are converted to the C&D debris landfill. This landfill began receiving solid waste in 1965. The Class I Landfill has a gas collection system and three flares, two enclosed flares, an open flare and a treatment system.

Landfill gases (LFGs) generated from waste are collected by a gas collection system and routed to the enclosed flares, the open flare, or to a gas treatment plant. The LFGs from the gas treatment plant are directed to the combustion turbines for subsequent use in the electrical power generation plant. Although the open flare is currently used as an aid to starting the turbines, the owner or operator has the option to use it as a primary control device if deemed necessary.

LFGs are primarily composed of methane (CH₄) and carbon dioxide (CO₂), but also contain non-methane organics (NMOC), volatile organic compounds (VOCs), hazardous air pollutants (HAPs), and hydrogen sulfide (H₂S). Sulfur dioxide (SO₂) and nitrogen oxides (NO_x) emissions are generated from the combustion of LFGs in the combustion turbines, the enclosed flares and the open flare. Particulate matter (PM) emissions are generated from sources such as fugitive dust from roads, earthmoving activities and waste placement and compaction activities.

Also included at the facility are miscellaneous insignificant emissions units and/or activities.

Subsection B. Summary of Emission Units.

Emission units are summarized here in the order in which they appear in the permit.

E.U. ID No.	Brief Description
<i>Regulated Emissions Units</i>	
011	MSW Class I Landfill with Gas Extraction
010	Landfill Gas (LFG)-Fired Turbines
	Flares
015	Enclosed Flare (Enclosed Combustor) - South, 4,000 scfm
016	Enclosed Flare (Enclosed Combustor) - North, 6,000 scfm
017	Open Flare - 5,100 scfm
	Emergency Diesel Generators
012	Emergency Diesel Generator - Mechanic Shop
013	Emergency Diesel Generator - Desulfurization Plant
014	Emergency Diesel Generator - Area Office

SECTION I. FACILITY INFORMATION.

<i>Unregulated Emissions Units</i>	
007	Fugitive NMOC & HAP Emissions from MSW Landfill
009	Fugitive PM Emissions from Vehicular Traffic

Subsection C. Applicable Requirements.

Based on the Title V air operation permit renewal application received on October 5, 2015, the existing facility is not a major source of hazardous air pollutants (HAPs). The existing facility is classified as a Prevention of Significant Deterioration (PSD) major facility. A summary of important applicable requirements is shown in the following table.

Applicable Requirement	E.U. ID No(s).
Rule 62-210.300, F.A.C., Permits Required	007, 009, 010, 011, 012, 013, 014, 015, 016 & 017
40 CFR 60, Subpart A, Standards of Performance for New Stationary Sources (NSPS) General Provisions	010, 011, 013 & 014
40 CFR 60, Subpart A, specifically 40 CFR 60.18(b) (Flares)	015, 016 & 017
40 CFR 60, NSPS Subpart GG	010
40 CFR 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills	011, 015, 016 & 017
40 CFR 60, NSPS Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	013 & 014
40 CFR 61, Subpart A, National Emission Standards for Hazardous Air Pollutants (NESHAP) General Provisions	011
40 CFR 61, Subpart M, NESHAP for Asbestos	011
40 CFR 63, Subpart A, NESHAP General Provisions	011, 012, 013, 014, 015, 016 & 017
40 CFR 63, Subpart AAAA, NESHAP: Municipal Solid Waste Landfills	011, 015, 016 & 017
40 CFR 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines (RICE)	012, 013 & 014

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. [Rules 62-296.320(2) & 62-210.200 (Definitions), F.A.C.]

FW3. Odor Monitoring. The owner or operator shall implement the Broward County Air Program approved Odor Monitoring Plan to determine necessary maintenance of the landfill to minimize the impact of nuisance odors emissions on the nearby residential communities. [Rule 62-4.070(1)&(3), F.A.C.; and, Permit No. 0112094-005-AC.]

{Permitting note: The owner or operator may revise and resubmit the Odor Monitoring Plan dated October 12, 2010 to the Broward County Air Program for approval, if deemed necessary.}

FW4. Odor Remediation Plan. The facility shall be operated to control objectionable odors in accordance with Rule 62-296.320(2), F.A.C. [Rule 62-701.530(3)(b), F.A.C.]

FW5. Not federally enforceable.

(1) Concealment. No person shall build, erect, install, or use any article, machine, equipment or other contrivance, the use of which will conceal any emission which would otherwise constitute a violation of any provisions of Broward County Codes.

(2) Maintenance. No person shall operate any air pollution control equipment or systems without proper and sufficient maintenance to assure compliance with Broward County Codes. [Broward County Code, Sec. 27-175(b).]

FW6. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. No person shall 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)(a), F.A.C.]

{Permitting note: Nothing is deemed necessary and ordered at this time.}

FW7. 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), F.A.C.]

FW8. 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. Waste is accepted in covered containers to prevent the escape of debris and dust.
- b. Waste is placed in lifts in the landfill in a manner to prevent windblown litter and dust. The working face is kept as small as practicable to further reduce windblown dust and litter.
- c. Portable fences are used around and near the working face to keep windblown litter in the work area.
- d. Waste is covered with daily cover (as outlined in the solid waste operating permit) to prevent windblown litter after operation hours.

SECTION II. FACILITY-WIDE CONDITIONS.

- e. *Paved Roads*: During hours of operation, the frequency of vehicle traffic may warrant dust control measures. Roadway sweeping will be performed as needed, especially in the portions of the year with less rainfall. Roadway washing will take place as needed to prevent to carry out of dirt and mud onto adjoining roadways.
- f. *Unpaved Roads*: Roadways in the active areas of the landfill will be graded and compacted to allow safe passage of vehicles and to prevent carry out of dirt and mud. Dust control shall be achieved using a water truck specifically designed for the application of dust control to roadbeds with front or rear mounted spray nozzles. An additional long reach hose with a hand held nozzle may also be used in order to reach potential areas inaccessible by the water truck.
- g. *Roads General*: The type and frequency of the dust control operations will vary according to weather conditions. Maintenance of the paved and unpaved roads will be performed from time to time as needed. [Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in the Title V air operation permit renewal application.]

Annual Reports and Fees

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

FW9. Electronic Annual Operating Report (EAOR) and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1st of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP's Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C. Each Title V source must pay between January 15th and April 1st of each year an annual emissions fee in an amount determined as set forth in Rule 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida. 32315-3070.** Additional information is available 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>. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, Section 403.0872(11), Florida Statutes (2013)]

{Permitting notes:

If the permittee chooses to use the EAOR software, instructions provided with the system should be followed.

Resources to help complete the AOR are available on the website at:

<http://www.dep.state.fl.us/air/emission/eaor>. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.

Also, the Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) was repealed; a separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.

FW10. 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 and to the U.S. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

SECTION II. FACILITY-WIDE CONDITIONS.

{Permitting note: As specified in Specific Condition RR7 of Appendix RR, the permittee shall use DEP Form No. 62-213.900(2) to comply with this requirement.}

U.S. Environmental Protection Agency, Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303

- FW11.** 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 electronically through U.S. EPA's Central Data Exchange system at the following website address: <https://cdx.epa.gov>. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: <http://www2.epa.gov/rmp>. The RMP Reporting Center can be contacted at: 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.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection A. Emission Units 011
MSW Class I Landfill**

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

E.U. ID No.	Brief Description
011	MSW Class I Landfill with Gas Extraction

The Monarch Hill Landfill is an active Class I Landfill with a municipal solid waste (MSW) design capacity greater than 2.5 million megagrams (Mg) by mass or 2.5 million cubic meters by volume. The Class I Landfill has a gas collection & control system (GCCS). The GCCS collects generated landfill gases (LFGs) from three adjacent parcels of the MSW landfill and a C&D debris landfill. The collected LFGs can be routed to the gas treatment system, an open flare, or two enclosed flares.

The GCCS includes vertical and horizontal gas collection wells that are constructed as the fill area has reached a certain height. The wells which consist of a combination of solid and perforated pipes and a wellhead assembly are connected to the blower and the control devices via lateral pipes and gas headers. The blower generates vacuum in the gas header, lateral pipes, and gas wells. LFGs generated inside the landfill are removed under vacuum and conveyed through the blower and to the two enclosed flares or the gas treatment system to treat the LFGs prior to burning in the combustor turbines.

The ultimate design capacity of the Class I landfill is estimated to be 80 million cubic yards. The landfill commenced construction in approximately 1964. This landfill began receiving solid waste in 1965. The yearly waste acceptance at the Class I landfill varies and has averaged approximately 175,000 tons/yr (158,760 Mg/yr). The Class I landfill currently accepts municipal solid waste. The Class I landfill is permitted to receive asbestos and plans to continue receiving asbestos (waste material) as waste trends allow.

The total footprint of the Class I Landfill is approximately 436 acres. At full build-out the height of the landfill will be about 300 feet (NGVD).

Non-methane organic compound (NMOC) emissions from the landfill were calculated to be greater than 50 Mg per year, therefore, gas collection and control systems were required.

This Class I landfill is expected to close (fully built-out) in 2038, yet is subject to change based on disposal rates.

{Permitting note(s): These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required; 40 CFR 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills adopted by reference in Rule 62-204.800(8)(b), F.A.C.; 40 CFR 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills adopted by reference in Rule 62-204.800(11)(b), F.A.C.; and, 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos adopted by reference in Rule 62-204.800(10)(b), F.A.C.}

Essential Potential to Emit (PTE) Parameters

- A.1. Permitted Capacity.** The existing Monarch Hill Landfill has an estimated capacity of 80 million cubic yards. [Rules 62-4.160(2) and 62-210.200, PTE, F.A.C.]
- A.2. LFG Collection & Control System.** The landfill shall include the installation and operation of a GCCS and route the collected LFGs from the GCCS to the gas treatment system, an open flare or two enclosed flares. [Rules 62-4.160(2) and 62-210.200, PTE, F.A.C.]
- A.3. Hours of Operation.** This emissions unit may operate continuously (8,760 hours/year). [Rule 62-210.200, PTE, F.A.C.]

Landfills - Collection System Temperature, Pressure, Oxygen, Nitrogen & Other Requirements

- A.4. Landfills - Collection System Temperature Requirements.** The permittee requested and received approval to establish higher landfill gas temperatures for all of the interior wellheads (extraction wells) in the gas collection system. The owner or operator shall operate each interior wellhead in the collection system with a

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection A. Emission Units 011
MSW Class I Landfill**

landfill gas temperature less than the approved maximums. Approvals as of the submitted permit renewal application are included in Appendix AOPV, Alternate Operating Parameter Values for specified gas extraction wells. [Rule 62-204.800(8)(b), F.A.C.; 40 CFR 60.753(c); and, U.S. EPA approval dated April 28, 2000.]

- A.5. Landfills - Leachate Cleanouts and Toe Drains.** Approvals as of the submitted permit renewal application are included in Appendix AOPV, Alternate Operating Parameter Values for leachate cleanouts and toe drains. [Rule 62-204.800(8)(b), F.A.C.; and, 40 CFR 60.753(a)&(d); and, DEP Correspondence dated October 11, 2013.]
- A.6. Landfills - Pin Wells.** Approvals as of the submitted permit renewal application are included in Appendix AOPV, Alternate Operating Parameter Values for pin wells. [Rule 62-204.800(8)(b), F.A.C.; and, 40 CFR 60.753(a)&(d); and, DEP Correspondence dated May 6, 2014.]

Monitoring Requirements

{Permitting note: TABLE L-1. SUMMARY OF MONITORING REQUIREMENTS FOR MSW LANDFILLS under 40 CFR 60, Subpart WWW and 40 CFR 63, Subpart AAAA, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

- A.7. Startup, Shutdown and Malfunction Plan under NESHAP 40 CFR 63, Subpart AAAA.** The owner or operator shall follow the written startup, shutdown and malfunction plan (SSM Plan). A copy of the SSM Plan must be maintained on site. [Rule 62-204.800(11)(d)1., F.A.C. and 40 CFR 63.1960.]
- A.8. Gas Treatment System Monitoring.** Pursuant to the U.S. EPA Determination dated December 14, 2004, the turbines are not subject to the requirements of 40 CFR 60.752(b)(2)(iii)(B) provided that the gas treatment system is operated within the specified operating parameters. Emissions from the gas treatment system not directed to the turbines are subject to control requirements. [40 CFR 60.756(d); and, U.S. EPA Determination on Waste Management Landfill Gas Treatment System dated December 14, 2004.]

Test Methods and Procedures

- A.9. Common Testing Requirements.** Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

Recordkeeping and Reporting Requirements

{Permitting note: TABLE L-2. SUMMARY OF RECORDKEEPING REQUIREMENTS FOR MSW LANDFILLS under 40 CFR 60, Subpart WWW and 40 CFR 63, Subpart AAAA, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

{Permitting note: TABLE L-3. SUMMARY OF COMPLIANCE REPORTING REQUIREMENTS FOR MSW LANDFILLS under 40 CFR 60, Subpart WWW and 40 CFR 63, Subpart AAAA, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

- A.10. Reporting Schedule.** The following reports shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition
Semi-Annual Compliance Reports	Every 6 months, due March 1 st and September 1 st	A.11.

[Rule 62-213.440, F.A.C.]

- A.11. Landfills - Semi-Annual Compliance Reports under NESHAP 40 CFR 63, Subpart AAAA.** The owner or operator shall submit semi-annual compliance reports. The semi-annual compliance reports shall be due March 1st and September 1st. [Rule 62-204.800(11)(d)1., F.A.C.; 40 CFR 63.1980(a); and, Applicant's Request.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emission Units 011 MSW Class I Landfill

{Permitting note: The due dates are for the periods of January 1 - June 30 and July 1 - December 31 of each year.}

A.12. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440, F.A.C.]

NSPS 40 CFR 60, Subpart A & WWW Requirements

A.13. NSPS Requirements - Subpart WWW. Except as otherwise provided in this permit, these emissions units shall comply with all applicable provisions of 40 CFR 60, Subpart WWW, Municipal Solid Waste Landfills, adopted by reference in Rule 62-204.800(8)(b), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.754(a)(5). These emissions units shall comply with all applicable provisions of **Appendix 40 CFR 60 Subpart WWW** included with this permit. [Rule 62-204.800(8)(b), F.A.C.]

A.14. Landfills - GCCS Design Plan. The GCCS design plan variances were previously approved for all Class I landfill Title V air operation permits. Section F of the permit renewal application included the specific approved alternatives to the operational standards, test methods, procedures, compliance requirements, monitoring, recordkeeping, and reporting provisions of the NSPS 40 CFR 60, Subpart WWW. Approvals as of the submitted permit renewal application are included in Appendix AOPV, Alternate Operating Parameter Values for GCCS design plan variances. [Rule 62-204.800(8), F.A.C.; and, Applicant Request.]

A.15. NSPS Requirements - Subpart A. These emissions units shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:

- 40 CFR 60.7, Notification and Recordkeeping
- 40 CFR 60.8, Performance Tests
- 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
- 40 CFR 60.12, Circumvention
- 40 CFR 60.13, Monitoring Requirements
- 40 CFR 60.19, General Notification and Reporting Requirements,

which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. These emissions units shall comply with all applicable provisions of **Appendix 40 CFR 60 Subpart A** included with this permit. [Rule 62-204.800(8)(d), F.A.C.]

NESHAP 40 CFR 61, Subpart A & M - Asbestos Disposal Site Standards

A.16. NESHAP 40 CFR 61 Requirements - Subpart M [Set A]. The asbestos waste disposal sites shall comply with all applicable requirements of 40 CFR 61, Subpart M, National Emission Standard for Asbestos, which have been adopted by reference in Rule 62-204.800(10)(b), F.A.C.; except that the Secretary is not the Administrator for the purposes of 40 CFR 61.149(c)(2), 40 CFR 61.150(a)(4), 40 CFR 61.151(c), 40 CFR 61.152(b)(3), 40 CFR 61.154(d), and 40 CFR 61.155(a). These emissions units shall comply with all applicable provisions of **Appendix 40 CFR 61, Subpart M "Set A,"** included with this permit. [Rule 62-204.800(10)(b)8., F.A.C.]

A.17. NESHAP 40 CFR 61 Requirements - Subpart A. The asbestos waste disposal sites shall comply with all applicable requirements of 40 CFR 61, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(10)(d), F.A.C.; except for 40 CFR 61.08 and except that the Secretary is not the Administrator for the purposes of 40 CFR 61.04, 40 CFR 61.11, and 40 CFR 61.18. In lieu of the process set forth in 40 CFR 61.08, the Department will follow the permit processing procedures of Rule 62-4.055, F.A.C. The asbestos waste disposal sites shall comply with all applicable provisions of **Appendix 40 CFR 61 Subpart A - General Provisions** included with this permit. [Rule 62-204.800(10)(d), F.A.C.]

NESHAP (MACT) 40 CFR 63, Subpart A & AAAA Requirements

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emission Units 011 MSW Class I Landfill

*{Permitting note: Most of the requirements of NESHAP 40 CFR 63, Subpart AAAA cross references conditions (applicable requirements) that are contained in NSPS 40 CFR 60, Subpart WWW. However, NESHAP 40 CFR 63, 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 40 CFR 63 Subpart AAAA**, and 40 CFR 63.6(e)(3) in **Appendix 40 CFR 63 Subpart A**), and the requirement for submittal of a semi-annual compliance report (see 40 CFR 60.757(f) in **Appendix 40 CFR 60 Subpart WWW** and 40 CFR 63.1980 in **Appendix 40 CFR 63 Subpart AAAA**.)}*

- A.18. 40 CFR 63 Requirements - Subpart A.** These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. These emissions units shall comply with **Appendix 40 CFR 63 Subpart A** included with this permit. [Rule 62-204.800(11)(d)1., F.A.C.]
- A.19. 40 CFR 63 Requirements - Subpart AAAA.** These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart AAAA, Municipal Solid Waste Landfills, which have been adopted by reference in Rule 62-204.800(11)(b)59., F.A.C., except that the Secretary is not the Administrator for purposes of the authorities cited at 40 CFR 63.1985(c). These emissions units shall comply with **Appendix 40 CFR 63 Subpart AAAA** included with this permit. [Rule 62-204.800(11)(b), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection B. Emissions Unit 010
Landfill Gas (LFG)-Fired Turbines**

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

E.U. ID No.	Brief Description
010	Landfill Gas (LFG)-Fired Turbines

Emissions Unit ID No. 010 (E.U. ID No. 010) consists of three T-4500 Solar Centaur combustion turbines which are used to generate electrical power using landfill gases (LFGs) from the Monarch Landfill. Each single shaft gas combustion turbine is coupled to a 60 Hz power generator. The power generation facility (excluding the steam generator turbines) generates approximately 12 MW of electricity. The heat recovery steam turbine generator (peak 2 MW) is not an emissions unit but contributes to the facility's electricity generation.

Prior to going to the combustion turbines the LFGs are treated using a LO-CAT® II system. The LO-CAT® II system is a desulphurization technology removing H₂S from the LFGs. Good operation and maintenance keeps this system operating efficiently. Emissions from the combustion turbines are controlled by good combustion practices; there are no add-on air pollution control devices. Emissions are exhausted through individual 50 feet tall stacks with 4 feet exit diameters, 1,170° F exit temperatures, and 32,000 dscfm each.

The combustion turbines began operation in approximately 1989.

{Permitting notes: This emissions unit is regulated under Rule 62-210.300, F.A.C., Permits Required; and, 40 CFR 60, Subpart GG, Standards of Performance for New Stationary Gas Turbines.}

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The maximum capacity of the three combustion turbines combined, are as follows:

Component	Maximum Capacity
Three Combustion Turbines	120 MMBtu/hr MMBtu/hr heat input 2,077.5 MMcf/yr LFG fuel consumption
Generator	12 MW

[Rules 62-4.160(2), 62-204.800, and 62-210.200, *Definitions - Potential to Emit (PTE)*, F.A.C.]

B.2. Methods of Operation - Fuels. LFGs are the only fuels that are allowed to be burned in these units. [Rule 62-213.410, F.A.C.]

B.3. Hours of Operation. These emission units may operate continuously (8,760 hours/year). [Rule 62-210.200, *PTE*, F.A.C.]

B.4. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

Unless otherwise specified, the averaging time(s) for Specific Condition **B.5. - B.7.** are based on the specified averaging time of the applicable test method.

B.5. Visible Emissions. Visible emissions (VE) from each turbine shall not be equal to or greater than 20 percent opacity. [Rule 62-296.320(4)(b)1., F.A.C.]

B.6. Gas Turbines Nitrogen Oxides (NO_x) Emissions. The owner or operator shall not cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of 212 ppm. [40 CFR 60.332(c); and, Permit No. 0112094-002-AC.]

{Permitting note: The estimation of 212 ppm was presented in a letter from Dave Heitz, Rust Environment and Infrastructure dated October 9, 1998. It was based on the equation for the allowable standard day conditions corrected NO_x emission concentration (percent by volume at 15 percent oxygen and on a dry basis), presented in 40 CFR 60.332(a)(2).}

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Unit 010 Landfill Gas (LFG)-Fired Turbines

- B.7. Gas Turbines Sulfur Dioxide (SO₂) Emissions.** The owner or operator shall comply with one or the other of the following conditions:
- (a) The gases discharged into the atmosphere from any stationary gas turbine shall not contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis; or,
 - (b) The gaseous fuel for any stationary gas turbine shall not contain total sulfur in excess of 0.8 percent by weight (8000 ppmw).
- [40 CFR 60.333]

Monitoring of Operations

- B.8. Monitoring the Sulfur and Nitrogen Content of Landfill Gaseous Fuel.** The owner or operator shall monitor the nitrogen and total sulfur content of the fuel being fired in the turbines. The sulfur content of the fuel must be determined using the total sulfur methods described in 40 CFR 60.335(b)(10); and the nitrogen content of the fuel shall be determined using the methods described in 40 CFR 60.335(b)(9).
- Frequency of monitoring.* The owner or operator shall determine and record the nitrogen and sulfur content value of the landfill gaseous fuel for the turbines once per unit operating day.
- [40 CFR 60.334(h)(1) & (2); and, 40 CFR 60.334(i).]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS or NESHAP program provision.

- B.9. Excess Emissions Allowed.** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]
- B.10. Best Operational Practices to Minimize Excess Emissions.** The permittee shall follow the best operational practices to minimize excess emissions during startup and shutdown. [Rule 62-210.700(2) and 62-213.440(1) (Operational Requirements that Assure Compliance), F.A.C.]
- B.11. Excess Emissions Prohibited.** Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
- B.12. Excess Emissions.** The owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c). Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined as follows:
- (1) *NO_x excess emissions.* An excess emission shall be the period of time during which the fuel-bound nitrogen (N) is greater than the value measured during the performance test required in 40 CFR 60.8 and used to determine the allowance. The excess emission begins on the date and hour of the sample which shows that N is greater than the performance test value, and ends with the date and hour of a subsequent sample which shows a fuel nitrogen content less than or equal to the performance test value.
{Permitting note: The nitrogen concentration by volume is measured and recorded every three minutes. The estimated value for N is 4.1. (Letter from Dave Heitz, Rust Environment and Infrastructure dated October 9, 1998).}
 - (2) *SO_x excess emissions.* An excess emission occurs each unit operating hour included in the period beginning on the date and hour of any sample for which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 weight percent and ending on the date and hour that a subsequent sample is taken that demonstrates compliance with the sulfur limit.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection B. Emissions Unit 010
Landfill Gas (LFG)-Fired Turbines**

(3) *Downtime Period.* A period of monitor downtime begins when a required sample is not taken by its due date. A period of monitor downtime also begins on the date and hour that a required sample is taken, if invalid results are obtained. The period of monitor downtime ends on the date and hour of the next valid sample.

[40 CFR 60.334(j)(1)(ii); and, 40 CFR 60.334(j)(2)(i).]

Test Methods and Procedures

B.13. Test Methods. Required tests shall be performed in accordance with the following reference methods:

Method(s)	Description of Method and Comments
EPA Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources
EPA Method 7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
EPA Method 20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines
ASTM D2880-71 or D4294 9, D1072-80, D3031-81, D4084-82 or D3246-81	Standard Methods by the American Society of Testing and Materials for Fuel Analysis

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-297.401, F.A.C.]

B.14. Gas Turbines SO₂ Emissions Determination. The owner or operator shall use a gas chromatograph to determine the LFG sulfur content which is used to determine the turbine SO₂ emissions. [Rule 62-4.070(1)&(3) F.A.C.; and, Permit No. AC06-152683.]

B.15. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

B.16. Annual Compliance Tests Required. During each calendar year (January 1st to December 31st), the combustion turbines shall be tested to demonstrate compliance with the emissions standard for VE. [Rule 62-297.310(7), F.A.C.]

Recordkeeping and Reporting Requirements

B.17. Reporting Schedule. The following report shall be submitted to the Compliance Authority:

Report	Reporting Deadline(s)	Related Condition(s)
Excess Emissions from Malfunctions, if requested by the Compliance Authority	Every 3 months (quarter)	B.18.

[Rule 62-210.700(6), F.A.C.]

B.18. Excess Emissions from Malfunctions. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Compliance Authority. [Rule 62-210.700(6), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Unit 010 Landfill Gas (LFG)-Fired Turbines

B.19. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

NSPS 40 CFR 60 Requirements

B.20. NSPS 40 CFR 60 Requirements - Subpart GG. Except as otherwise provided in this permit, the combustion turbine shall comply with all applicable provisions of 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted by reference in Rule 62-204.800(8)(b), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.334(b)(2) and 40 CFR 60.335(f)(1). The Subpart GG requirement to correct test data to ISO conditions applies, but such correction is not required to demonstrate compliance with the non-NSPS permit standard(s). This emissions unit shall comply with **Appendix 40 CFR 60 Subpart GG** attached to this permit. [Rule 62-204.800(8)(b), F.A.C.]

B.21. NSPS 40 CFR 60 Requirements - Subpart A. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions including:
40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements
40 CFR 60.12, Circumvention
40 CFR 60.13, Monitoring Requirements
40 CFR 60.19, General Notification and Reporting requirements
adopted by reference in Rule 62-204.800(8)(d), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. This emissions unit shall comply with **Appendix 40 CFR 60 Subpart A** attached to this permit. [Rule 62-204.800(8)(d), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection C. Emission Units 015, 016 & 017
Enclosed Flares & Open Flare**

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

E.U. ID No.	Brief Description
	Flares
015	Enclosed Flare (Enclosed Combustor) - South, 4,000 scfm
016	Enclosed Flare (Enclosed Combustor) - North, 6,000 scfm
017	Open Flare - 5,100 scfm

E.U. ID Nos. 015 & 016 are enclosed flares located near the landfill. The South & North enclosed flares manufactured by LFG Specialties, LLC-Southeast Section are rated at 4,000 scfm & 6,000 scfm, respectively. The enclosed flares are used as the primary control devices for LFGs collected from the landfill. Emissions from the enclosed flares are controlled by good combustion practices.

E.U. ID No. 017 is an open flare located near where the combustion turbines are housed. The open flare manufactured by LFG Specialties, LLC-Southeast Section is rated at 5,100 scfm. The open flare may be used if needed during the startup phase of the gas turbines. Although the open flare is currently used to aid with the startup phase of the combustion turbines, the option to use it as a primary control device for LFGs collected from the landfill is available if needed. Emissions from the open flare are controlled by good combustion practices.

{Permitting notes: These emission units are regulated under Rule 62-210.300, F.A.C., Permits Required; NSPS 40 CFR 60, Subpart A, General Provisions, specifically 40 CFR 60.18(b) (Flares), adopted by reference in Rule 62-204.800(8)(d), F.A.C.; 40 CFR 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills adopted by reference in Rule 62-204.800(8)(b), F.A.C.; and, 40 CFR 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills adopted by reference in Rule 62-204.800(11)(b), F.A.C.}

Essential Potential to Emit (PTE) Parameters

- C.1. Permitted Capacity.** The permittee is authorized to operate and maintain the existing open flare and the two existing enclosed flares that fire LFGs. [Rules 62-4.160(2) and 62-210.200, PTE, F.A.C.]
- C.2. Landfill Gas Flow Rates.** The owner or operator shall not allow more than 5,100 scfm of LFGs to be directed to the existing open flare and 4,000 scfm & 6,000 scfm to the South & North enclosed flares, respectively. [Rules 62-4.160(2) and 62-210.200, PTE, F.A.C.]
- C.3. Hours of Operation.** These emission units may operate continuously (8,760 hours/year). [Rule 62-210.200, PTE, F.A.C.]
- C.4. Emissions Unit Operating Rate Limitation After Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

Open Flare - General Control Device Requirements

- C.5. Operation.** The open flare shall be operated with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f). [Rule 62-204.800(8)(d), F.A.C.; and, 40 CFR 60.18(c)(2)]
- C.6. Exit Velocity.** The open flare shall be operated with an exit velocity, in accordance with 40 CFR 60.18(c)(4) and (5), as determined by the methods specified in 40 CFR 60.18(f)(4) and (f)(6). [Rule 62-204.800(8)(d), F.A.C.; and, 40 CFR 60.18(c)(4) & (5)]
- C.7. Operation.** Open flares used to comply with provisions of 40 CFR 60, Subpart A shall be operated at all times when emissions may be vented to them. [Rule 62-204.800(8)(d), F.A.C.; and, 40 CFR 60.18(e)]

Emission Limitations and Standards

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection C. Emission Units 015, 016 & 017
Enclosed Flares & Open Flare**

Unless otherwise specified, the averaging time(s) for Specific Condition **C.9.** is based on the specified averaging time of the applicable test method.

C.8. Open Flare - Visible Emissions. The open flare shall be operated with no visible emissions (VE), except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. [Rule 62-204.800(8)(d), F.A.C.; and, 40 CFR 60.18(c)(1).]

Monitoring Requirements

C.9. Open Flare Operation Monitoring. According to the U.S. EPA Alternative Monitoring Determination, gas flows to the open flare will not be recorded when LFGs from the gas treatment system are directed to the gas turbines for subsequent use. However, when the open flare is the primary control device for any period exceeding one hour, the owner or operator shall begin to record the flow to the open flare every 15 minutes. [40 CFR 60.756(c); 40 CFR 60.18(e); and, Letter from Mr. R. Douglas Neeley, U.S. EPA to Howard Rhodes, FDEP dated April 28, 2000 for Alternative Monitoring for Flare.]

Test Methods and Procedures

C.10. Flares - Test Methods.

Required tests for the open flare shall be performed in accordance with the following reference methods:

Method(s)	Description of Method(s) and Comment(s)
ASTM D1945-03 ¹	Alternative Method of Determining Net Heating Value of Landfill Gas
In-place Calibrated Flow Meter ¹	Determining Flare Gas Exit Velocity
EPA Method 22	Visual Determination of Smoke Emissions from Flares {The U.S. EPA approval dated March 13, 2008 allows for 30-minute duration for open flares.}

The above methods are described in Chapter 62-297, F.A.C. and/or 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. 40 CFR 60.754(d) contains the compliance provisions for enclosed flares. No other methods may be used unless prior written approval is received from the Department. [Chapter 62-297, F.A.C. & Rule 62-204.800(9)(b)7., F.A.C.; and, ¹ U.S. EPA has approved.]

C.11. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

C.12. Annual Compliance Test. During each calendar year (January 1st to December 31st), the open flare shall be tested to demonstrate compliance with the emission limitations for VE. [Rule 62-297.310(7), F.A.C.]

C.13. Annual Compliance Test. For the backup open flare, the unit is not required to be operated solely to perform compliance testing, including VE tests. [Rule 62-297.310(7), F.A.C.]

Recordkeeping and Reporting Requirements

C.14. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440, F.A.C.]

NSPS 40 CFR 60, Subpart A Requirements

C.15. NSPS Requirements - Subpart A. These emissions units shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:
40 CFR 60.7, Notification and Recordkeeping
40 CFR 60.8, Performance Tests
40 CFR 60.11, Compliance with Standards and Maintenance Requirements

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emission Units 015, 016 & 017

Enclosed Flares & Open Flare

40 CFR 60.12, Circumvention

40 CFR 60.13, Monitoring Requirements

40 CFR 60.19, General Notification and Reporting Requirements,

which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. These emissions units shall comply with all applicable provisions of **Appendix 40 CFR 60 Subpart A** included with this permit. [Rule 62-204.800(8)(d), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection C. Emission Units 015, 016 & 017
Enclosed Flares & Open Flare**

Engines in this subsection are grouped by similar engine type as regulated by EPA. Each group number is followed by a very brief explanation of the engine type as described in the EPA regulations/tables.

	Group 1: “Existing” stationary CI RICE less than or equal to 500 HP	See Specific Conditions
E.U. ID No.	Brief Description	C.1. - C.10. & C.41. - C.44.
012	Emergency Diesel Generator - Mechanic Shop	
	Group 5: “New” stationary CI RICE greater than 500 HP	See Specific Conditions
E.U. ID No.	Brief Description	C.11. - C.24. & C.41. - C.44.
013	Emergency Diesel Generator - Desulfurization Plant	
	Group 6: “New” stationary CI RICE less than 175 HP	See Specific Conditions
E.U. ID No.	Brief Description	C.25. - C.40. & C.41. - C.44.
014	Emergency Diesel Generator - Area Office	

This subsection of the permit is comprised of 3 compression ignition (CI) type engines, all of which are emergency generators. Air pollutant emissions from these engines are uncontrolled.

{Permitting notes: These emissions units, engines, are regulated under 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE) adopted in Rule 62-204.800(11)(b), F.A.C. The permittee identified other non-road engines (portable) located at the facility; these engines are not regulated under 40 CFR 63, Subpart ZZZZ. The “new” engines must meet 40 CFR 60, Subpart III, NSPS for Compression Ignition Internal Combustion Engines (CI ICE).}

Each part of this subsection includes unit-specific applicable requirements for each group of engines which were customized from the entire 40 CFR 63, Subpart ZZZZ and/or 40 CFR 60, Subpart III.

The specific conditions in this part of the subsection apply to the following group of emission units:

	Group 1: “Existing” stationary CI RICE less than or equal to 500 HP
E.U. ID No.	Brief Description
012	Emergency Diesel Generator - Mechanic Shop

{Permitting note: This part of the subsection addresses “existing” stationary CI RICE less than or equal to 500 horsepower (HP) that are located at a non-major source of HAP and that have not been modified or reconstructed after 6/12/2006. Unless the RICE is modified or reconstructed after 7/11/2005, NSPS 40 CFR 60, Subpart III, will not apply.}

The following table provides important details for this emissions unit:

E.U. ID No.	Date of Construction	Model Year	Primary Fuel	Type of Engine	Manufacturer	
					Model #	

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

**Subsection C. Emission Units 015, 016 & 017
Enclosed Flares & Open Flare**

	Engine Brake HP					Displacement liters/cylinder (l/c)	Engine Serial #
012	166	July 1993	1992	Diesel	Emergency	5.9 {<10}	Cummins®
							100DGD8
							6BT5.9-G2

Essential Potential to Emit (PTE) Parameters

D.1. Hours of Operation.

- a. Emergency Situations. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 63.6640(f)(1)]
- b. Maintenance and Testing. Each RICE is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. [40 CFR 63.6640(f)(1)]
- c. Non-emergency Situations. Each RICE is authorized to operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. [40 CFR 63.6640(f)(1)]
- d. Other Situations. Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency power. [40 CFR 63.6640(f)(1)]
- e. Engine Startup. During periods of startup the owner or operator must minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for the appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6625(h)]

Emission Limitations and Operating Requirements

{Permitting note: These “existing” stationary CI engines with < 500 HP do not have specific numerical emission limitations and standards.}

D.2. Work or Management Practice Standards.

- a. Oil. Change oil and filter every 500 hours of operation or annually, whichever comes first. [40 CFR 63 Table 2c(1)(a)]
- b. Air Cleaner. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first. [40 CFR 63 Table 2c(1)(b)]
- c. Hoses and Belts. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63 Table 2c(1)(c)]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emission Units 015, 016 & 017

Enclosed Flares & Open Flare

- d. Operation and Maintenance. Operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow your own maintenance plan which must provide, to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution, control practice for minimizing emissions. [40 CFR 63.6625(e)]
- e. Oil Analysis. The owner or operator has the option of using oil analysis to extend the change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent of water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent of water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63.6625(i)]

Monitoring of Operations

- D.3.** Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]

Compliance Requirements

- D.4.** Continuous Compliance. Each unit shall be in compliance with the emission limitations and operating standards in this section at all times. [40 CFR 63.6605(a)]
- D.5.** Operation and Maintenance of Equipment. At all times the owner or operator must operate and maintain, any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the compliance authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6605(b)]

Recordkeeping Requirements

- D.6.** Notification, Performance and Compliance Records.
- a. A copy of each notification and report that the owner or operator submitted to comply with this section, including all documentation supporting any Initial Notification or Notification of Compliance Status that the owner or operator submitted.
 - b. The owner or operator must keep the records required in 40 CFR 63.6625(e) of this section to show continuous compliance with each emission limitation or operating requirement.
 - c. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
- [40 CFR 63.6655]

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D.7. Malfunction Records.

- a. Records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment.
- b. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b) of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
[40 CFR 63.6655]

D.8. Maintenance Records.

- a. Records of all required maintenance performed on the air pollution control and monitoring equipment.
- b. The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) are operated and maintained according to its own maintenance plan.
[40 CFR 63.6655]

D.9. Record Retention.

- a. The owner or operator must keep records in a suitable and readily available form for expeditious reviews.
- b. The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.
[40 CFR 63.6660 and 40 CFR 63.10(b)(1)]

Reporting Requirements

D.10. Emergency Situation. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required of this section, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable. [40 CFR 63.6602 Table 2c, footnote 1]

The specific conditions in this part of the subsection apply to the following group of emission units:

Group 5: "New" stationary CI RICE greater than 500 HP	
E.U. ID No.	Brief Description
013	Emergency Diesel Generator - Desulfurization Plant (EPA Tier 3 certified)

{Permitting note: This part of the subsection addresses "new" stationary CI RICE greater than 500 HP, with a displacement greater than 10 liters per cylinder, that are located at a non-major source of HAP and that have been modified, reconstructed or commenced construction on or after 12/19/2002 and have a pre-2007 or 2007 & later model year. These RICE are not used as fire pumps.}

The following table provides important details for this emissions unit:

E.U. ID No.	Engine Brake HP	Date of Construction	Model Year	Primary Fuel	Type of Engine	Displacement liters/cylinder (l/c)	Manufacturer
							Model #
							Engine Serial #

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013	635	October 2006	2006	Diesel	Emergency	14	Detroit Diesel®
							MTN 400
							Series 60

Applicability

D.11. Applicability. Pursuant to 40 CFR 63.6590(c), this engine must comply with 40 CFR 63, Subpart ZZZZ by meeting the requirements of NSPS 40 CFR 60, Subpart IIII. Pursuant to 40 CFR 63.6590(c), no further requirements apply to the engine under 40 CFR 63, Subpart ZZZZ. [Rules 62-204.800(11) & (8), F.A.C.; and, 40 CFR 63.6590(c)]

Essential Potential to Emit (PTE) Parameters

D.12. Allowable Fuel. The stationary RICE must use diesel fuel that meets the following requirements for non-road diesel fuel:

- a. Sulfur Content. The sulfur content shall not exceed 15 ppm (0.0015% by weight) for non-road diesel fuel.
- b. Cetane and Aromatic. The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(b) and 40 CFR 80.510(b)]

D.13. Hours of Operation.

- a. Emergency Situations. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 60.4211(e)]
- b. Maintenance and Testing. Each RICE is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. [40 CFR 60.4211(e)]
- c. Other Situations. Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4219]

Emission Standards and Limitations

D.14. The following emission standards and limitations apply to this engine:

- a. NMHC + NOx Emissions. Non-methane hydrocarbons and nitrogen oxide emissions shall not exceed 4.0 g/KW-hr {equivalent to: 4.2 lbs/hour}. [40 CFR 60.4205(b)]
- b. CO Emissions. Carbon monoxide emissions shall not exceed 3.5 g/KW-hr {equivalent to: 3.7 lbs/hour}. [40 CFR 60.4205(b)]
- c. PM emissions. Particulate matter emissions shall not exceed 0.20 g/KW-hr {equivalent to: 0.2 lbs/hour}. [40 CFR 60.4205(b)]

D.15. Operation and Maintenance. The owner or operator must operate and maintain the stationary CI internal combustion engine according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply. [40 CFR 60.4211(a)]

Monitoring of Operations

D.16. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 60.4209(a)]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection C. Emission Units 015, 016 & 017 Enclosed Flares & Open Flare

Compliance Requirements

- D.17. Compliance Requirements.** Owner or operator must demonstrate compliance according to one of the methods below:
- Certification.** Have purchased an engine certified according to 40 CFR 89 or 94, as applicable, for the same model year and maximum engine power.
 - Manufacturer Data.** Keep records of engine manufacturer data indicating compliance with the standards.
 - Vendor Data.** Keep records of control device vendor data indicating compliance with the standards.
 - Performance Test.** Conduct an initial performance test to demonstrate compliance with the emission standards according to the testing requirements in this section.
 - Similar Engine Tests.** Keep records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
- [40 CFR 60.4211(b)]

Testing Requirements

- D.18. Performance Test.** Performance test must be conducted according to the in-use testing procedures in 40 CFR 1039, Subpart F if the engine is not certified and maintained per manufacturer recommendations. [40 CFR 60.4212]
- D.19. Engine Manufacturer's Recommendations and Instructions.** If the owner/operator does not install, configure, operate, and maintain the engine according to the manufacturer's recommendations and instructions, any required testing shall be completed in accordance with 40 CFR 60, Subpart III. [40 CFR 60.4212.]
- D.20. Not to exceed (NTE) Standards.** Exhaust emissions from stationary CI ICE that are complying with the emission standards must not exceed the not to exceed (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard, determined from the following equation: $NTE = (1.25) \times (\text{Standard})$. [40 CFR 60.4212]

Recordkeeping Requirements

- D.21. Required Records.** Owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner or operator must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214]
- D.22. Record Retention.**
- The owner or operator must keep records in a suitable and readily available form for expeditious reviews.
 - The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- [40 CFR 63.6660 and 40 CFR 63.10(b)(1)]

NSPS 40 CFR 60, Subpart A & III Requirements

- D.23. NSPS Requirements - Subpart A.** This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:
- 40 CFR 60.7, Notification and Recordkeeping
 - 40 CFR 60.8, Performance Tests
 - 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
 - 40 CFR 60.12, Circumvention
 - 40 CFR 60.13, Monitoring Requirements

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40 CFR 60.19, General Notification and Reporting Requirements, which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. The applicable 40 CFR 60, Subpart A, General Provisions to which this emissions unit are subject to are found at 40 CFR 63.4218 and are included in **Appendix 40 CFR 60 Subpart A**. [Rule 62-204.800(8)(d), F.A.C.]

D.24. 40 CFR 60 Requirements - Subpart III [Generally Applicable Requirements]. This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, which have been adopted by reference in Rule 62-204.800(8), F.A.C. This emissions unit shall comply with **Appendix 40 CFR 60 Subpart III “Generally Applicable Requirements,”** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 60, Subpart III. This appendix also contains useful information like definitions (see 40 CFR 60.4219) that are specific to engines regulated under 40 CFR 60 Subpart III. [Rule 62-204.800(8), F.A.C.]

The specific conditions in this part of the subsection apply to the following group of emission units:

Group 6: “New” stationary CI RICE less than 175 HP	
E.U. ID No.	Brief Description
014	Emergency Diesel Generator - Area Office (EPA Tier 3 certified)

{Permitting note: This part of the subsection addresses “new” stationary CI RICE less than 175 HP, with a displacement less than 10 liters per cylinder, that are located at a non-major source of HAP and that have been modified, reconstructed or commenced construction on or after 6/12/2006 and have a 2007 or later model year. This RICE is not used as a fire pump.}

The following table provides important details for this emissions unit:

E.U. ID No.	Engine Brake HP	Date of Construction	Model Year	Primary Fuel	Type of Engine	Displacement liters/cylinder (l/c)	Manufacturer
							Model #
							Engine Serial #
014	165	October 2009	2009	Diesel	Emergency	6.8	John Deere®
							125
							Powertech 6.8 (S2003-056)

Applicability

D.25. Applicability. Pursuant to 40 CFR 63.6590(c), these engines must comply with 40 CFR 63, Subpart ZZZZ by meeting the requirements of NSPS 40 CFR 60, Subpart III. Pursuant to 40 CFR 63.6590(c), no further requirements apply to the engine under 40 CFR 63, Subpart ZZZZ. [Rules 62-204.800(11) & (8), F.A.C.; and, 40 CFR 63.6590(c)]

Essential Potential to Emit (PTE) Parameters

D.26. Allowable Fuel. The stationary RICE must use diesel fuel that meets the following requirements for non-road diesel fuel:

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Subsection C. Emission Units 015, 016 & 017

Enclosed Flares & Open Flare

- a. Sulfur Content. The sulfur content shall not exceed 15 ppm (0.0015% by weight) for non-road diesel fuel. {equivalent to: 0.0006 lb SO₂/hour}
- b. Cetane and Aromatic. The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.
[40 CFR 60.4207(b) and 40 CFR 80.510(b)]

D.27. Hours of Operation.

- a. Emergency Situations. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 60.4211(f)(1)]
- b. Maintenance and Testing. Each RICE is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. [40 CFR 60.4211(f)(2)]
- c. Other Situations. Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. Each RICE may be operated for up to 50 hours per calendar year in non-emergency situations.
[40 CFR 60.4211(f)(3)]

Emission Standards and Limitations

D.28. NMHC + NO_x Emissions. Non-methane hydrocarbons and nitrogen oxide emissions shall not exceed 4.0 g/KW-hr {equivalent to: 1.1 lb/hour}. [40 CFR 60.4205(b)]

D.29. CO Emissions. Carbon monoxide emissions shall not exceed 5.0 g/KW-hr {equivalent to: 1.4 lb/hour}.
[40 CFR 60.4205(b)]

D.30. PM Emissions. Particulate matter emissions shall not exceed 0.30 g/KW-hr {equivalent to: 0.1 lb/hour}.
[40 CFR 60.4205(b)]

D.31. Operation and Maintenance. The owner or operator must operate and maintain the stationary CI internal combustion engine according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply. [40 CFR 60.4211(a)]

Monitoring of Operations

D.32. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 60.4209(a)]

Compliance Requirements

D.33. Compliance Requirements. Owner or operator must demonstrate compliance according to one of the methods below:

- a. Certification. Have purchased an engine certified according to 40 CFR 89 or 94, as applicable, for the same model year and maximum engine power.
- b. Manufacturer Data. Keep records of engine manufacturer data indicating compliance with the standards.
- c. Vendor Data. Keep records of control device vendor data indicating compliance with the standards.
- d. Performance Test. Conduct an initial performance test to demonstrate compliance with the emission standards according to the testing requirements in this section.
- e. Similar Engine Tests. Keep records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

[40 CFR 60.4211(b)]

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Testing Requirements

- D.34. Performance Tests.** Any performance tests conducted pursuant to 40 CFR 60, Subpart IIII must be according to the in-use testing procedures in 40 CFR 1039, Subpart F if the engine is not certified and maintained per manufacturer recommendations. [40 CFR 60.4212]
- D.35. Engine Manufacturer's Recommendations and Instructions.** If the owner/operator does not install, configure, operate, and maintain the engine according to the manufacturer's recommendations and instructions, any required testing shall be completed in accordance with 40 CFR 60, Subpart IIII. [40 CFR 60.4212.]
- D.36. Not to exceed (NTE) Standards.** Exhaust emissions from stationary CI ICE that are complying with the emission standards must not exceed the not to exceed (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard, determined from the following equation: $NTE = (1.25) \times (Standard)$. [40 CFR 60.4212]

Recordkeeping Requirements

- D.37. Required Records.** Owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner or operator must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214]
- D.38. Record Retention.**
- The owner or operator must keep records in a suitable and readily available form for expeditious reviews.
 - The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- [40 CFR 63.6660 and 40 CFR 63.10(b)(1)]

NSPS 40 CFR 60, Subpart A & IIII Requirements

- D.39. NSPS Requirements - Subpart A.** These emissions units shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions, including:
- 40 CFR 60.7, Notification and Recordkeeping
 - 40 CFR 60.8, Performance Tests
 - 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
 - 40 CFR 60.12, Circumvention
 - 40 CFR 60.13, Monitoring Requirements
 - 40 CFR 60.19, General Notification and Reporting Requirements,
- which have been adopted by reference in Rule 62-204.800(8)(d), F.A.C.; except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. The applicable 40 CFR 60, Subpart A, General Provisions to which these emissions are subject to are found at 40 CFR 63.4218 and are included in **Appendix 40 CFR 60 Subpart A**. [Rule 62-204.800(8)(d), F.A.C.]
- D.40. 40 CFR 60 Requirements - Subpart IIII [Generally Applicable Requirements].** These emissions units shall comply with all applicable requirements of 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, which have been adopted by reference in Rule 62-204.800(8), F.A.C. These emissions units shall comply with **Appendix 40 CFR 60 Subpart IIII “Generally Applicable Requirements,”** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 60, Subpart IIII. This appendix also contains useful information like definitions (see 40 CFR 60.4219) that are specific to engines regulated under 40 CFR 60 Subpart IIII. [Rule 62-204.800(8), F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

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THE FOLLOWING SPECIFIC CONDITIONS APPLY TO ALL GROUPS OF EMISSIONS UNITS.

Test Methods and Procedures

D.41. Common Testing Requirements. Any tests, if required, shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

Recordkeeping and Reporting Requirements

D.42. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440, F.A.C.]

NESHAP 40 CFR 63, Subpart A & ZZZZ Requirements

D.43. 40 CFR 63 Requirements - Subpart A. These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. The applicable 40 CFR 63, Subpart A, General Provisions to which these emissions are subject to are found at 40 CFR 63.6665 and are included in **Appendix 40 CFR 63 Subpart A**. [Rule 62-204.800(11)(d)1., F.A.C.]

D.44. 40 CFR 63 Requirements - Subpart ZZZZ [Generally Applicable Requirements]. These emissions units shall comply with all applicable requirements of 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), which have been adopted by reference in Rule 62-204.800(11)(b), F.A.C. These emissions units shall comply with **Appendix 40 CFR 63 Subpart ZZZZ “Generally Applicable Requirements,”** included with this permit, which includes applicable requirements that apply in general to all engines regulated under 40 CFR 63 Subpart ZZZZ. This appendix also contains useful information like provisions that are not delegated to state or local agencies (see 40 CFR 63.6670) and contains definitions (see 40 CFR 63.6675) that are specific to engines regulated under 40 CFR 63 Subpart ZZZZ. [Rule 62-204.800(11)(b), F.A.C.]