STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Waste Management of Mississippi, Inc.
Prairie Bluff Landfill and Recycling Center
1649 Highway 15 North
Houston, Mississippi
Chickasaw County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with Title V of the Federal Clean Air Act (42 U.S.C.A. § 7401 - 7671) and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Permit Issued: _____

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

_____

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires:[Date not to exceed 5 years from issuance] **Permit No.: 0380-00039**

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SECTION 1. GENERAL CONDITIONS

1.1 The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Federal Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(a).)

1.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(b).)

1.3 This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(c).)

1.4 Prior to its expiration, this permit may be reopened in accordance with the provisions listed below.

(a) This permit shall be reopened and revised under any of the following circumstances:

(1) Additional applicable requirements under the Federal Act become applicable to a major Title V source with a remaining permit term of 3 or more years. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended.

(2) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

(3) The Permit Board or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit.

(4) The Administrator or the Permit Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(b) Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall only affect those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

(c) Reopenings shall not be initiated before a notice of such intent is provided to the Title V source by the DEQ at least 30 days in advance of the date that the permit is to be reopened, except that the Permit Board may provide a shorter time period in the case of an emergency.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.G.)

1.5 The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permittee or, for information to be confidential, the permittee shall furnish such records to DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(e).)

1.6 This permit does not convey any property rights of any sort, or any exclusive privilege.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(d).)

1.7 The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(5).)

1.8 The permittee shall pay to the DEQ an annual permit fee. The amount of fee shall be determined each year based on the provisions of regulated pollutants for fee purposes and the fee schedule specified in the Commission on Environmental Quality's order which shall be issued in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6.

(a) For purposes of fee assessment and collection, the permittee shall elect for actual or allowable emissions to be used in determining the annual quantity of emissions unless the Commission determines by order that the method chosen by the applicant for calculating actual emissions fails to reasonably represent actual emissions. Actual emissions shall be calculated using emission monitoring data or direct emissions

measurements for the pollutant(s); mass balance calculations such as the amounts of the pollutant(s) entering and leaving process equipment and where mass balance calculations can be supported by direct measurement of process parameters, such direct measurement data shall be supplied; published emission factors such as those relating release quantities to throughput or equipment type (e.g., air emission factors); or other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgments where such judgments are derived from process and/or emission data which supports the estimates of maximum actual emission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).)

(b) If the Commission determines that there is not sufficient information available on a facility's emissions, the determination of the fee shall be based upon the permitted allowable emissions until such time as an adequate determination of actual emissions is made. Such determination may be made anytime within one year of the submittal of actual emissions data by the permittee.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).)

(c) If at any time within the year the Commission determines that the information submitted by the permittee on actual emissions is insufficient or incorrect, the permittee will be notified of the deficiencies and the adjusted fee schedule. Past due fees from the adjusted fee schedule will be paid on the next scheduled quarterly payment time.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D(2).)

(d) The fee shall be due September 1 of each year. By July 1 of each year, the permittee shall submit an inventory of emissions for the previous year on which the fee is to be assessed. The permittee may elect a quarterly payment method of four (4) equal payments; notification of the election of quarterly payments must be made to the DEQ by the first payment date of September 1. The permittee shall be liable for penalty as prescribed by State Law for failure to pay the fee or quarterly portion thereof by the date due.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D.)

(e) If in disagreement with the calculation or applicability of the Title V permit fee, the permittee may petition the Commission in writing for a hearing in accordance with State Law. Any disputed portion of the fee for which a hearing has been requested will not incur any penalty or interest from and after the receipt by the Commission of the hearing petition.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.C.)

1.9 No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(8).)

1.10 Any document required by this permit to be submitted to the DEQ shall contain a certification by a responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.2.E.)

1.11 The permittee shall allow the DEQ, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to perform the following:

(a) enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;

(b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

(d) as authorized by the Federal Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(2).)

1.12 Except as otherwise specified or limited herein, the permittee shall have necessary sampling ports and ease of accessibility for any new air pollution control equipment, obtained after May 8, 1970, and vented to the atmosphere.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(1).)

1.13 Except as otherwise specified or limited herein, the permittee shall provide the necessary sampling ports and ease of accessibility when deemed necessary by the Permit Board for air pollution control equipment that was in existence prior to May 8, 1970.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(2).)

1.14 Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance where such applicable requirements are included and are specifically identified in the permit or where the permit contains a determination, or summary thereof, by the Permit Board that requirements specifically identified previously are not applicable to the source.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(1).)

1.15 Nothing in this permit shall alter or affect the following:

(a) the provisions of Section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section;

(b) the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

(c) the applicable requirements of the acid rain program, consistent with Section 408(a) of the Federal Act.

(d) the ability of EPA to obtain information from a source pursuant to Section 114 of the Federal Act.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(2).)

1.16 The permittee shall comply with the requirement to register a Risk Management Plan if permittee's facility is required pursuant to Section 112(r) of the Act to register such a plan.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.H.)

1.17 Expiration of this permit terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. A timely application is one which is submitted at least six (6) months prior to expiration of the Title V permit. If the permittee submits a timely and complete application, the failure to have a Title V permit is not a violation of regulations until the Permit Board takes final action on the permit application. This protection shall cease to apply if, subsequent to the completeness determination, the permittee fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.C(2)., R. 6.4.B., and R. 6.2.A(1)(c).)

1.18 The permittee is authorized to make changes within their facility without requiring a permit revision (ref: Section 502(b)(10) of the Act) if:

(a) the changes are not modifications under any provision of Title I of the Act;

(b) the changes do not exceed the emissions allowable under this permit;

(c) the permittee provides the Administrator and the Department with written notification in advance of the proposed changes (at least seven (7) days, or such other time frame as provided in other regulations for emergencies) and the notification includes:

(1) a brief description of the change(s),

(2) the date on which the change will occur,

(3) any change in emissions, and

(4) any permit term or condition that is no longer applicable as a result of the change;

(d) the permit shield shall not apply to any Section 502(b)(10) change.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.F(1).)

1.19 Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule or, in the absence of an approved schedule, with the appropriate requirements specified in 11 Miss. Admin. Code Pt. 2, Ch. 3., "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 3.)

1.20 Except as otherwise provided herein, a modification of the facility may require a Permit to Construct in accordance with the provisions of Regulations 11 Miss. Admin. Code Pt. 2, Ch. 2., "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment", and may require modification of this permit in accordance with Regulations 11 Miss. Admin. Code Pt. 2, Ch. 6., "Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act". Modification is defined as "[a]ny physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:

(a) routine maintenance, repair, and replacement;

(b) use of an alternative fuel or raw material by reason of an order under Sections 2 (a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;

(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;

(d) use of an alternative fuel or raw material by a stationary source which:

(1) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I, or 40 CFR 51.166; or

(2) the source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 40 CFR 51.166;

(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or

(f) any change in ownership of the stationary source.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.C(15).)

1.21 Any change in ownership or operational control must be approved by the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.D(4).)

1.22 This permit is a Federally approved operating permit under Title V of the Federal Clean Air Act as amended in 1990. All terms and conditions, including any designed to limit the source's potential to emit, are enforceable by the Administrator and citizens under the Federal Act as well as the Commission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.B(1).)

1.23 Except as otherwise specified or limited herein, the open burning of residential, commercial, institutional, or industrial solid waste, is prohibited. This prohibition does not apply to infrequent burning of agricultural wastes in the field, silvicultural wastes for forest management purposes, land-clearing debris, debris from emergency clean-up operations, and ordnance. Open burning of land-clearing debris must not use starter or auxiliary fuels which cause excessive smoke (rubber tires, plastics, etc.); must not be performed if prohibited by local ordinances; must not cause a traffic hazard; must not take place where there is a High Fire Danger Alert declared by the Mississippi Forestry Commission or Emergency Air Pollution Episode Alert imposed by the Executive Director and must meet the following buffer zones.

(a) Open burning without a forced-draft air system must not occur within 500 yards of an occupied dwelling.

(b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within 50 yards of an occupied dwelling.

(c) Burning must not occur within 500 yards of commercial airport property, private airfields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.G.)

1.24 Except as otherwise specified herein, the permittee shall be subject to the following provision with respect to emergencies:

(a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.

(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:

(1) an emergency occurred and that the permittee can identify the cause(s) of the emergency;

(2) the permitted facility was at the time being properly operated;

(3) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) the permittee submitted notice of the emergency to the DEQ within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.G.)

1.25 Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, and shutdowns.

(a) Upsets (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)

(1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:

(i) An upset occurred and that the source can identify the cause(s) of the upset;

(ii) The source was at the time being properly operated;

(iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;

(iv) That within 5 working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;

(v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.

(2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.

(3) This provision is in addition to any upset provision contained in any applicable requirement.

(4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.

(b) Startups and Shutdowns (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)

(1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.

(2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).

(3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

1.26 The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements of 40 CFR Part 61, Subpart M, as adopted by reference in Regulation 11 Miss Admin. Code Pt. 2, R. 1.8. The permittee shall not be required to obtain a modification of this permit in order to perform the referenced activities.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 1.8.)

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AA-001	Municipal Solid Waste (MSW) Landfill with a design capacity of approximately 46,330,000 cubic yards (35,421,827 meters) which equate to approximately 35,258,900 tons (32,053,546 Mg). The landfill has a gas collection and control system (GCCS) which routes the landfill gas (LFG) to a treatment system. The treated gases are then routed to the Landfill Gas Engine (AA-014) to produce electricity and/or a 12-inch candlestick flare (backup control device).
AA-002	Solidification basin *(Insignificant Activity)*
AA-013	Leachate collection, storage, handling, and LFG/propane-fired evaporator system (7.4 MMBtu/hr burner)
AA-014	2,233 hp (17.85 MMBtu/hr; 1,600 kW) LFG-fired, non-emergency, spark ignition engine equipped with an aftercooler for heat reinjection (Mfd. in 2005)
AA-015	Fugitive emissions from construction activities and road traffic (paved and unpaved roads)
AA-101	300-gallon gasoline storage tank

SECTION 3. EMISSION LIMITATIONS & STANDARDS

A. Facility-Wide Emission Limitations & Standards

3.A.1 Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) & (b).

(a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.

(b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)

3.A.2 Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Condition 3.A.1. This shall not apply to vision obscuration caused by uncombined water droplets.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

3.A.3 The permittee shall not cause, permit, or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants, or property, or to be a public nuisance, or create a condition of air pollution.

(a) The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner which allows or may allow unnecessary amounts of particulate matter to become airborne.

(b) When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance to property other than that from which it originated or to violate any other provision of 11 Miss. Admin. Code Pt. 2, Ch. 1, the Commission may order such corrected in a way that all air and gases or air and gasborne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.C.)

B. Emission Point Specific Emission Limitations & Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AA-001	40 CFR 60, Subpart WWW Standards of Performance for Municipal Solid Waste Landfills that Commenced Construction, Reconstruction, or Modification on or after May 30, 1991, but before July 18, 2014 40 CFR 60.750(a) and 60.752(d)(2), Subpart WWW	3.B.1	NMOC	Applicability
	40 CFR 60.752(b)(1) and (b)(2), Subpart WWW	3.B.2		50 Mg/yr threshold determination
AA-001	40 CFR 61, Subpart M National Emission Standards for Asbestos 40 CFR 61.140 and 61.154, Subpart M	3.B.3	Asbestos	Applicability
	40 CFR 61.154(a), (c), or (d), Subpart M	3.B.4		Visible emission requirements, or Daily coverage requirements, or Alternative emissions control methods approved by DEQ
	40 CFR 61.154(b), Subpart M	3.B.5		Installation and maintenance of signage and fencing, unless otherwise noted
AA-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.B.6	Operating Restriction	Flare shall be operated at all times when landfill gas is routed to the flare
		3.B.7	Visible Emissions	No visible emissions
AA-001 AA-014	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.8	H_2S	1 grain/100 scf
AA-013	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.9	PM (filterable)	0.6 lbs/MMBtu
AA-014	40 CFR 63, Subpart ZZZZ	3.B.10	HAP	Applicability

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
	NESHAP for Stationary Reciprocating Internal Combustion Engines 40 CFR 63.6580, 63.6585(a) and (c), 63.6590(a)(1)(iii), and 63.6605, Subpart ZZZZ			
AA-101	40 CFR 63, Subpart CCCCCC NESHAP for Source Category: Gasoline Dispensing Facilities 40 CFR 63.11110, 63.11111(a) and (b), and Table 3, Subpart CCCCCC	3.B.11	HAP	Applicability

3.B.1 Emission Point AA-001 is subject to and shall comply with the applicable requirements of the Standards of Performance for Municipal Solid Waste Landfills that Commenced Construction, Reconstruction, or Modification on or after May 30, 1991, but before July 18, 2014, 40 CFR 60, Subpart WWW, and the applicable requirements of the General Provisions, 40 CFR 60, Subpart A.

In the event the permittee closes the MSW landfill, the permittee is no longer subject to the requirement to maintain a Title V Operating Permit if the landfill is not otherwise subject to the Title V Program requirements as long as the permittee was never required to install a control system as required in 40 CFR 60.752(b)(2).

(Ref.: 40 CFR 60.750(a) and 60.752(d)(2), Subpart WWW)

3.B.2 For Emission Point AA-001, the permittee shall calculate a nonmethane organic compound (NMOC) emission rate for the landfill annually using the procedures specified in 40 CFR 60.754. The NMOC emission rate shall be recalculated annually, except as provided in Condition 5.C.1(a).

(a) If the calculated NMOC emission rate is less than 50 megagrams per year (Mg/yr), the permittee shall:

(1) Submit an annual emission report to the DEQ in accordance with Condition 5.C.1, except as provided for in Condition 5.C.1(a); and

(2) Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR 60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 Mg/yr, or the landfill is closed.

(b) If the calculated NMOC emission rate is equal to or greater than 50 Mg/yr, the permittee shall:

(1) Submit a collection and control system design plan prepared by a professional engineer to DEQ within one (1) year, addressing the requirements of 40 CFR 60.752(b)(2)(i); and

(2) Install a collection and control system that captures the gas generated within the landfill as required by 40 CFR 60.752(b)(2)(ii)(A) or (B) and (b)(2)(iii) within thirty (30) months after the first annual report in which the emission rate equals or exceeds 50 Mg/yr, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less than 50 Mg/yr, as specified in Condition 5.C.2.

(Ref.: 40 CFR 60.752(b)(1) and (b)(2), Subpart WWW)

3.B.3 Emission Point AA-001, the permittee is subject to and shall comply with the applicable requirements of the National Emission Standards for Asbestos, 40 CFR 61, Subpart M.

(Ref.: 40 CFR 61.140 and 61.154, Subpart M)

3.B.4 For Emission Point AA-001, the permittee shall comply with one of the following requirements:

(a) 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

(b) 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 DEQ. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

(c) Use an alternative emissions control method that has received prior written approval by the DEQ according to the procedures described in 40 CFR 61.149(c)(2).

(Ref.: 40 CFR 61.154(a), (c), or (d), Subpart M)

3.B.5 For Emission Point AA-001, unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as described in (a) through (c) below or the permittee shall cover all asbestos-containing material deposited at the site during the operating day or previous 24-hour period with at least six (6) inches of

compacted nonasbestos-containing material.

(a) Warning signs must be displayed at all entrances and at intervals of 330 feet 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 meet the specific requirements found in 40 CFR 61.154(b)(1)(i)-(iii),

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

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

(Ref.: 40 CFR 61.154(b), Subpart M)

3.B.6 For Emission Point AA-001, the flare shall be operated with a flame present at all times when landfill gas is being routed to it.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.B.7 For Emission Point AA-001, the flare shall be designed for and operated with no visible emissions as determined by Method 22 of 40 CFR 60, Appendix A, except for a period not to exceed a total of five (5) minutes during any two (2) consecutive hours.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.B.8 For Emission Points AA-001 (flare) and AA-014, the permittee shall not cause or permit the emissions for any gas stream which contains hydrogen sulfide (H_2S) in excess of one (1) grain per 100 standard cubic feet (1 gr/100 scf). Gas streams that contain hydrogen sulfide in excess of one grain per 100 standard cubic feet shall be incinerated at temperatures of not less than 1,600 °F for a period of not less than 0.5 seconds, or processed in such a manner which is equivalent to or more effective for the removal of hydrogen sulfide.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).)

3.B.9 For Emission Point AA-013 (evaporator), the maximum permissible emission of ash and/or particulate matter (PM) from fossil fuel burning installation of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

3.B.10 For Emission Point AA-014, the permittee is subject to and shall comply with all applicable requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ and the applicable General Provisions, 40 CFR 63, Subpart A.

For purposes of this subpart, the engine is considered an existing, non-emergency spark ignition (SI) stationary RICE with a site rating of more than 500 HP, located at an area source of HAP emissions.

The engine shall be in compliance with the applicable requirements of Subpart ZZZZ and the permittee shall operate and maintain the engine in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspections of the source.

(Ref.: 40 CFR 63.6580, 63.6585(a) and (c), 63.6590(a)(1)(iii), and 63.6605, Subpart ZZZZ)

3.B.11 For Emission Point AA-101, the permittee is subject to the NESHAP for Gasoline Dispensing Facilities, 40 CFR 63, Subpart CCCCCC, and the applicable requirements of the General Provisions, 40 CFR 63, Subpart A, as noted in Table 3 of Subpart CCCCCC. This gasoline storage tank has a monthly throughput of less than 10,000 gallons; therefore, the permittee is only required to comply with the work practice standards in Condition 3.D.3 and the recordkeeping requirement in Condition 5.B.10.

(Ref.: 40 CFR 63.11110, 63.11111(a) and (b), and Table 3, Subpart CCCCCC)

C. Insignificant and Trivial Activity Emission Limitations & Standards

There are no requirements applicable to the insignificant activities listed in the source's Title V permit application.

D. Work Practice Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AA-014	40 CFR 63.6603(a) and Table 2d, Subpart ZZZZ	3.D.1	HAP	Maintenance requirements
	40 CFR 63.6625(e) and (h), 63.6640(a), and Table 6, Subpart ZZZZ	3.D.2		Operating requirements
AA-101	40 CFR 63.11116(a) and 63.11115(a), Subpart CCCCCC	3.D.3	HAP	General requirements

3.D.1 For Emission Point AA-014, the permittee shall comply with the maintenance requirements contained in (a) through (c) as follows:

(a) Change oil and filter every 1,440 hours of operation or annually, whichever comes first; or perform an oil analysis at the same frequency in order to extend the oil change requirement in accordance with 40 CFR 63.6625(j).

(b) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practices according to the schedule in (a) through (c) above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until such time the emergency is over or the unacceptable risk has abated. The management practices should be completed as soon as practicable after the emergency has ended or the unacceptable risk has abated.

(Ref.: 40 CFR 63.6603(a) and Table 2d, Subpart ZZZZ)

3.D.2 For Emission Point AA-014, the permittee shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop 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 practices for minimizing emissions. The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

(Ref.: 40 CFR 63.6625(e) and (h), 63.6640(a), and Table 6, Subpart ZZZZ)

3.D.3 For Emission Point AA-101, the permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Such preventive measures shall include:

(a) Minimize gasoline spills;

(b) Clean up spills as expeditiously as practicable;

(c) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and

(d) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

The permittee must, at all times, operate and maintain the affected source 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 DEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspections of the source.

(Ref.: 40 CFR 63.11116(a) and 63.11115(a), Subpart CCCCCC)

SECTION 4. COMPLIANCE SCHEDULE

4.1 Unless otherwise specified herein, the permittee shall be in compliance with all requirements contained herein upon issuance of this permit.

4.2 Except as otherwise specified herein, the permittee shall submit to the Permit Board and to the Administrator of EPA Region IV a certification of compliance with permit terms and conditions, including emission limitations, standards, or work practices, by January 31st for the preceding calendar year. Each compliance certification shall include the following:

(a) the identification of each term or condition of the permit that is the basis of the certification;

(b) the compliance status;

(c) whether compliance was continuous or intermittent;

(d) the method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;

(e) such other facts as may be specified as pertinent in specific conditions elsewhere in this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), & (d).)

4.3 Upon calculating an uncontrolled NMOC emission rate equal to or greater than 50 Mg/yr, in accordance with Condition 5.B.1, the permittee shall be subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) from Municipal Solid Waste (MSW) Landfills, 40 CFR 63, Subpart AAAA, and the applicable General Provisions, 40 CFR 63, Subpart A. The MSW Landfill is considered an existing source for purposes of this regulation. The permittee shall comply with the applicable requirements of Subpart AAAA by the date(s) specified in the subpart.

(Ref.: 40 CFR 63.1930, 63.1935(a)(3), and 63.1940(c), Subpart AAAA)

4.4 Upon calculating an uncontrolled NMOC emission rate equal to or greater than 50 Mg/yr, the permittee shall submit a request for a minor modification to address all applicable requirements of 40 CFR 63, Subpart AAAA. This modification request to reopen the permit shall be submitted within one (1) year of the annual report submittal which calculated an NMOC emission rate equal to or greater than 50 Mg/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.G(1).)

SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

5.A.1 The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring the following information:

(a) the date, place as defined in the permit, and time of sampling or measurements;

(b) the date(s) analyses were performed;

(c) the company or entity that performed the analyses;

(d) the analytical techniques or methods used;

(e) the results of such analyses; and

(f) the operating conditions existing at the time of sampling or measurement.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(1).)

5.A.3 Except where a longer duration is specified in an applicable requirement, the permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31st and January 31st for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2).)

5.A.6 Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions or their equivalents approved by the DEQ and the EPA.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

5.A.7 The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

B. Specific Monitoring and Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping Requirement
AA-001	40 CFR 60.754(a)(2)(ii) and (a)(3), Subpart WWW	5.B.1	NMOC	Determine NMOC emission rate
	40 CFR 60.758(a), Subpart WWW	5.B.2		Recordkeeping
AA-001	40 CFR 60.154(e), Subpart M and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.3	Asbestos	Waste shipment records
	40 CFR 60.154(f), Subpart M	5.B.4		Asbestos-containing waste disposal records
	40 CFR 60.154(g), Subpart M	5.B.5		Closure requirements
	40 CFR 60.154(i), Subpart M	5.B.6		Records
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.7		Visible emission records
AA-001	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.8	Operating requirements	Monitor presence of pilot flame and keep flare maintenance records
AA-014	40 CFR 63.6655(a)(1), (2), and (5), and (e)(3), and 63.6660, Subpart ZZZZ	5.B.9	HAP	General recordkeeping
AA-101	40 CFR 63.11111(e) and 63.11116(b), Subpart CCCCCC	5.B.10	HAP	Recordkeeping

5.B.1 For Emission Point AA-001, the permittee shall determine a site-specific NMOC concentration and recalculate the NMOC emission rate using the Tier 2 procedures in 40 CFR 60.754(a)(3) for areas not influenced by the GCCS, but can use either 40 CFR 60.754(b) or 40 CFR 60.754(a)(3) for areas influenced by the GCCS. The permittee shall recalculate the NMOC emission rate using the equations provided in 40 CFR 60.754(a)(1)(i), (a)(1)(ii), and/or 60.754(b) and using the average NMOC concentration from the collected samples instead of the default value.

(a) If the resulting NMOC emission rate is greater than 50 Mg/yr, the permittee shall either comply with the requirements of Condition 3.B.2(b) or determine the site-specific methane generation rate constant (k) using the Tier 3 procedures in 40 CFR 60.754(a)(4).

(b) If the resulting NMOC mass emission rate is less than 50 Mg/yr, the permittee shall submit a periodic estimate of the emission rate report as provided in Condition 5.C.1 and retest the site-specific NMOC concentration every five (5) years using the

methods specified in this section. The previous site-specific NMOC concentration report used the Tier 2 results obtained from testing completed in January 2016; therefore, the next Tier 2 test event shall be conducted no later than January 2020.

(Ref.: 40 CFR 60.754(a)(2)(ii) and (a)(3), Subpart WWW)

5.B.2 For Emission Point AA-001, the permittee shall keep for at least five (5) years up-to-date, readily accessible, on-site records of the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within four (4) hours. Either paper copy or electronic formats are acceptable.

(Ref.: 40 CFR 60.758(a), Subpart WWW)

5.B.3 For Emission Point AA-001, the permittee shall comply with the following for all asbestos-containing waste material received:

(a) Maintain waste shipment records, using a form similar to that shown in Figure 4 in 40 CFR 61.154 that includes the following information:

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

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

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

(4) 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 appropriate local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record) and waste disposal site (DEQ), 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.

(5) The date of the receipt.

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

(c) 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 fifteen (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 waste disposal site (DEQ). Describe the discrepancy and attempts to reconcile it and submit a copy of the waste shipment record along with the report.

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

(Ref.: 40 CFR 61.154(e), Subpart M and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

5.B.4 For Emission Point AA-001, the permittee shall maintain, until closure, records of the location, depth and area, and quantity in cubic meters or cubic yards of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

(Ref.: 40 CFR 61.154(f), Subpart M)

5.B.5 For Emission Point AA-001, the permittee shall comply with the applicable provisions of 40 CFR 61.151 upon closure.

(Ref.: 40 CFR 61.154(g), Subpart M)

5.B.6 For Emission Point AA-001, the permittee shall furnish upon request, and make available during normal business hours for inspection by the DEQ, all records required under 40 CFR 61.154.

(Ref.: 40 CFR 61.154(i), Subpart M)

5.B.7 For Emission Point AA-001 (MSW landfill), if the permittee chooses to comply with the no visible emissions compliance option in Condition 3.B.4(a), the permittee shall conduct daily visible observations for visible emissions at the boundary of the waste disposal site. Upon observing any visible emissions, the permittee shall take immediate corrective measures to eliminate visible emissions. The permittee shall keep a daily log indicating the following:

(a) Whether any asbestos-containing materials were disposed of;

(b) The results of a visible emissions observation conducted at the boundary of the waste disposal site for each day asbestos-containing materials are disposed; and,

(c) If visible emissions are noted, the corrective measures taken to eliminate visible emissions.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.B.8 For Emission Point AA-001 (flare), the permittee shall continuously monitor the presence of a pilot flame using a thermocouple or any other equivalent device used to detect the presence of a flame. The permittee shall maintain records of the date, time, and duration that emissions are vented to the flare while the pilot flame is not detected and the corrective actions taken to return the pilot flame to the flare. The permittee shall also keep records of all maintenance performed on the flare in order to demonstrate the flare is being operated and maintained in a manner consistent with good air pollution control practices to minimize emissions.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.B.9 For Emission Point AA-014, the permittee shall keep the following records:

(a) A copy of each notification and report submitted to comply with Subpart ZZZZ, including all supporting documentation.

(b) Records of the occurrence and duration of each malfunction of the engine.

(c) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions taken to restore equipment to its normal or usual manner of operation.

(d) Records of all maintenance conducted on the engine in order to demonstrate the engine was operated and maintained according to the maintenance plan.

All records must be in a form suitable and readily available for expeditious review. Each record must be kept for a period of five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. These records may be kept in hard copy or electronic format.

(Ref.: 40 CFR 63.6655(a)(1), (2), and (5), and (e)(3), and 63.6660, Subpart ZZZZ)

5.B.10 For Emission Point AA-101, the permittee shall keep records to demonstrate that the monthly throughput of gasoline is less than the 10,000 gallon threshold level. The permittee is not required to submit any records or notifications, but must be able to produce such records within 24 hours of a request by the DEQ.

(Ref.: 40 CFR 63.11111(e) and 63.11116(b), Subpart CCCCCC)

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/ Parameter Monitored	Reporting Requirement
AA-001	40 CFR 60.752(b)(1)(i) and 60.757(b), Subpart WWW	5.C.1	NMOC	Annual (or five-year) emission rate report
	40 CFR 60.757(c)(1) and (c)(2), Subpart WWW	5.C.2		Resume annual reporting
	40 CFR 60.752(b)(1)(ii)(B) and 60.757(d), Subpart WWW	5.C.3		Closure notification
AA-001	40 CFR 61.154(h), Subpart M	5.C.4	Asbestos	Submit asbestos-containing waste disposal records
	40 CFR 61.154(j), Subpart M	5.C.5		Submit notification if covered asbestos-containing material is to be disturbed
Facility - wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	5.C.6	N/A	Semiannual monitoring report (SMR)
AA-014	40 CFR 63.6640(b), 63.6650(f), and Footnote 2 to Table 2d, Subpart ZZZZ	5.C.7	HAP	Report deviations

5.C.1 For Emission Point AA-001, the permittee shall submit an annual NMOC emission rate report in accordance with the semiannual report due by July 31st of each year in accordance with Condition 5.A.4, except as provided for in paragraphs (a) or (c) below. The DEQ may request such additional information as may be necessary to verify the reported NMOC emission rate.

(a) The NMOC emission rate report shall contain an annual or five-year estimate of the NMOC emission rate calculated using the equations and procedures referenced in Condition 5.B.1. If the estimated NMOC emission rate reported in the annual report to the DEQ is less than 50 Mg/yr in each of the next five (5) consecutive years, the permittee may elect to submit an estimate of the NMOC emission rate for the next five-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 five (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 DEQ. This estimate shall be revised at least once every five (5) years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the five-year estimate, a revised five-year estimate shall be submitted to the DEQ. The revised estimate shall cover the five-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

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

(c) The permittee is exempted from the requirements of paragraphs (a) and (b) after triggering the requirements of Condition 3.B.2(b).

(Ref.: 40 CFR 60.752(b)(1)(i) and 60.757(b), Subpart WWW)

5.C.2 For Emission Point AA-001, the permittee shall submit the collection and control system design plan to the DEQ in accordance with Condition 3.B.2(b)(1) once the NMOC emission rate is equal to or greater than 50 Mg/yr, except as follows:

(a) The permittee 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 NMOC emission rate is less than 50 Mg/yr.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 Mg/yr 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 Mg/yr.

(b) The permittee elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k) using the Tier 3 procedures in Condition 5.B.1(a) and the resulting NMOC emission rate is less than 50 Mg/yr. Annual periodic reporting shall be resumed using the resulting site-specific methane generation rate constant (k) until such time as the emissions rate calculation results in an exceedance. The revised NMOC emission rate report based on the provisions of Condition 5.B.1 and the resulting site-specific methane generation rate constant shall be submitted to the DEQ within one (1) year of the first calculated emission rate exceeding 50 Mg/yr.

(Ref.: 40 CFR 60.757(c)(1) and (c)(2), Subpart WWW)

5.C.3 For Emission Point AA-001, if the landfill is permanently closed, a closure notification shall be submitted to the DEQ within 30 days of waste acceptance cessation. The DEQ may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the DEQ, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR 60.7(a)(4).

(Ref.: 40 CFR 60.752(b)(1)(ii)(B) and 60.757(d), Subpart WWW)

5.C.4 For Emission Point AA-001, the permittee shall submit a copy of all records of asbestos waste disposal locations and quantities to the DEQ upon closure of the facility.

(Ref.: 40 CFR 61.154(h), Subpart M)

5.C.5 For Emission Point AA-001, the permittee shall notify the DEQ 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 MDEQ at least ten (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:

(a) Scheduled starting and completion dates.

(b) Reason for disturbing the waste.

(c) 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 MDEQ may require changes in the emission control procedures to be used.

(d) Location of any temporary storage site and the final disposal site.

(Ref.: 40 CFR 61.154(j), Subpart M)

5.C.6 The permittee shall submit a summary of any required monitoring that was conducted during the semiannual period, including information obtained during the required visible emission observations. If there were no visible emissions noted during the reporting period, the permittee shall state such in the report. This information shall be submitted in the semiannual report required by Condition 5.A.4, This report shall also include information concerning any deviations from the permit requirements specified herein or a certification that there were no deviations during the semiannual period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

5.C.7 For Emission Point AA-014, the permittee shall report all deviations from any emission or operating limitation of Subpart ZZZZ in the semiannual report required by Condition 5.A.4. Such deviations shall include any failure to perform the work practice on the required schedule. In the event a work practice is delayed because the engine is operating during an emergency or if performing the work practice on the required schedule posed an unacceptable risk under federal, state, or local law, the permittee shall include in the report the reason for the delay.

(Ref.: 40 CFR 63.6640(b), 63.6650(f), and Footnote 2 to Table 2d, Subpart ZZZZ)

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

6.1 None permitted.

SECTION 7. TITLE VI REQUIREMENTS

The following are applicable or potentially applicable requirements originating from Title VI of the Clean Air Act – Stratospheric Ozone Protection. The full text of the referenced regulations may be found on-line at **http://www.ecfr.gov/** under Title 40, or DEQ shall provide a copy upon request from the permittee.

7.1 If the permittee produces, transforms, destroys, imports, or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.

7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.

7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:

(a) All containers in which a class I or class II substance is stored or transported;

(b) All products containing a class I substance; and

(c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.

7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:

(a) Servicing, maintaining, or repairing appliances;

(b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or

(c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, as well as persons selling, offering for sale, and/or purchasing class I, class II, or non-exempt substitute refrigerants.

7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.

7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:

(a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;

(b) Any person disposing of halons;

(c) Manufacturers of halon blends; or

(d) Organizations that employ technicians who service halon-containing equipment.

APPENDIX A

List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutants
lbs/hr	Pounds per Hour
M or K	Thousand
Mg	Megagrams
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards for Hazardous Air Pollutants, 40 CFR 61 or National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR 63
NMOC	Non-Methane Organic Compounds
NMVOC	Non-Methane Volatile Organic Compounds
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM_{10}	Particulate Matter less than 10 μm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compounds

APPENDIX B

List of Regulations Referenced In this Permit

11 Miss. Admin. Code, Part 2, Ch. 1. – Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants (Amended November 10, 2016)

11 Miss. Admin. Code, Part 2, Ch. 2. – Permit Regulations for the Construction and/or Operation of Air Emissions Equipment (Amended July 28, 2005)

11 Miss. Admin. Code, Part 2, Ch. 6. – Air Emission Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act (Amended June 28, 2012)

40 CFR 82, Protection of Stratospheric Ozone

40 CFR 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills that Commenced Construction, Reconstruction, or Modification on or after May 30, 1991, but before July 18, 2014

40 CFR 61, Subpart M, National Emission Standards for Asbestos

40 CFR 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants from Municipal Solid Waste Landfills

40 CFR 63, Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines