# STATE OF MISSISSIPPI
# AIR POLLUTION CONTROL
# TITLE V PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

## THIS CERTIFIES THAT

City of Canton, Canton Sanitary Landfill
303 Soldier Colony Road
Canton, Madison County, Mississippi

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: [DATE]**

**Effective Date: As Specified Herein.**

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**

________________________________________

**AUTHORIZED SIGNATURE**
**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Expires: [DATE]** **Permit No.: 1780-00080**

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**DRAFT/PROPOSED**

## SECTION 1. GENERAL CONDITIONS

1.1 The permittee must comply with all conditions of this permit. Any permit non-compliance 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 The 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 following provisions:

(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 three (3) or more years. Such a reopening shall be completed no later than eighteen (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 emissions 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 a permit shall follow the same procedures as apply to initial permit issuance and shall affect only 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 Department of Environmental Quality (DEQ) at least thirty (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 claimed 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 The 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 fee based on a fee schedule established by the Mississippi Commission on Environmental Quality (i.e., the "Commission"). The fee schedule shall be set each year by order of the Commission in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6.

(a) A portion of the fee shall be based on the permittee's annual quantity of emissions. The permittee shall elect for "actual emissions" 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.

(i) "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.

(ii) "Allowable emissions" are those emissions limited by this permit as well as those emissions not expressly limited by this permit but otherwise allowed by this permit, as represented in the Title V application.

(iii) Not withstanding paragraphs (i) and (ii), a minimum annual fee shall be assessed in accordance with the fee schedule established by the Commission when calculating this portion of the fee.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(1).)

(b) A portion of the fee shall be based on the complexity of this permit, as determined by the number of air regulations applicable to the permittee on the date of the fee calculation in accordance with the fee schedule established by the Commission. Only air regulations required to be addressed by this permit may be included in the annual fee schedule.

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

(c) By July 1 of each year, the permittee shall submit a completed annual fee reporting form to the DEQ accompanied by all necessary calculations and supporting information to verify actual emissions. If the annual fee reporting form is not filled out completely and accurately or certified in accordance with Regulation 11 Miss. Admin. Code Pt. 2, R. 6.2.E., "allowable emissions" or other information necessary to determine the appropriate annual fee shall be used in the fee calculation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(3)(c).)

(d) If the Commission determines that there is not sufficient information available to the permittee to accurately complete and submit the annual fee reporting form by July 1, but such information becomes available and is submitted to the DEQ after July 1, the fee calculation and assessment may be altered according to the annual fee schedule. No fee actually paid to the DEQ shall be refunded due to a change in the fee calculation.

If a fee is recalculated such that the amount assessed for an annual period is reduced and the permittee has already paid all or a portion of the fee, the revised fee assessment may not be reduced to an amount less than what the permittee has already paid regardless of the results of the recalculation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(3)(d).)

(e) The fee shall be due September 1 of each year. However, the permittee may elect a quarterly payment method of four (4) equal payments with the payments due September 1, December 1, March 1 and June 1. The permittee shall notify the DEQ that the quarterly payment method will be used by September 1.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.E(1).)

(f) If at any time within the year the Commission determines that the information submitted by the permittee is insufficient or incorrect, the DEQ will notify the permittee of the deficiencies and the adjusted fee schedule. Past due fees as a result of the adjusted fee assessment will be due at the time of the next scheduled quarterly payment.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.E(1)(b).)

(g) If an annual fee is not paid within thirty (30) days after the due date, a penalty of ten (10) percent of the amount due shall at once accrue and be added thereto. If the fee is not paid in full (including any interest and penalty within sixty (60) days of the due date), the Permit Board may revoke the permit upon proper notice and hearing as required by law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.E(1)(a).)

(h) If the permittee disagrees with the calculation or applicability of an annual 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.D.)

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 upon satisfying one of the following conditions:

(a) Such applicable requirements are included and are specifically identified in the permit; or

(b) The Permit Board, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the permittee and the permit includes such determination (or a concise summary thereof).

(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 to register such a plan pursuant to Section 112(r) of the Federal Act.

(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 that is submitted at least six (6) months prior to the date of permit expiration.

If the permittee submits a timely and complete application for permit issuance (including for renewal), the failure to have a Title V permit is not a violation of the applicable 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. 6.2.A(1)(c), R. 6.4.B., and 6.4.C(2).)

1.18 The permittee is authorized to make changes within their facility without requiring a permit revision (Ref.: Section 502(b)(10) of the Federal Act) if the following criteria are met:

(a) The changes are not modifications under any provision of Title I of the Federal 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 [i.e., at least seven (7) days or such other time frame as provided in other regulations for emergencies] and the notification includes the following information:

(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 either the permittee's prepared "Emission Control Action Program(s)" or, in the absence of a prepared Emission Control Action Program, the appropriate requirements and "Emission Reduction Objectives" specified in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 3. – "Regulations for the Prevention of Air Pollution Emergency Episodes" – for the level of emergency declared and the permittee's source of air contamination.

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

1.20 Except as otherwise provided herein, a modification of the permittee's facility may require a Permit to Construct in accordance with the provisions specified in Regulation 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 Regulation 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 any 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 Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. and/or Ch. 5.; or

(2) The source is approved to use under any permit issued under Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. and/or Ch. 5.;;

(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 Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. or Ch. 5.; or

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

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

1.21 An administrative permit amendment may be made by the Permit Board authorizing changes in ownership or operational control consistent with the following procedure:

(a) The Permit Board shall take action within sixty (60) days after receipt of a completed request for a permit transfer, unless a public hearing is scheduled. The Permit Board may incorporate such changes without providing notice to the public or affected State(s) provided that it designates any such permit revision as having been made pursuant to this paragraph.

(b) A permit transfer shall be approved upon satisfaction of the following:

(1) The applicant for transfer approval can demonstrate to the Permit Board it has the financial resources, operational expertise, and environmental compliance history over the last five (5) years to insure compliance with the terms and conditions of the permit to be transferred, except where this conflicts with State Law, and

(2) The Permit Board determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the DEQ.

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

1.22 This permit is a Federally approved operating permit under Title V of the Federal Act. All terms and conditions in this permit, including any provisions designed to limit the permittee'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 an Emergency Air Pollution Episode Alert imposed by the Executive Director of DEQ; 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 fifty (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 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 five (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 non-compliance, and the corrective actions taken and;

(v) That as soon as practicable but no later than twenty-four (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) Start-ups and Shutdowns (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)

(1) Start-ups and shutdowns are part of normal source operation. Emission limitations apply during start-ups and shutdowns unless source specific emission limitations or work practice standards for start-ups 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 Regulation 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for start-ups and shutdowns. Source specific emission limitations or work practice standards established for start-ups 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 start-up or shutdown, see the “Upset” requirements above.

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

1.25 The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements specified in 40 CFR Part 61, Subpart M (National Emission Standard for Asbestos), 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 an existing design capacity of 1,332,505 tons. |
| AA-001 (Upon start of construction for expansion) | MSW Landfill with a design capacity of 6,566,719 cubic yards (or 5.02 million cubic meters) and 3,940,031 tons (or 3,574,337 metric tons). |
| AA-002 | On-site Paved and Unpaved Roads (*fugitive*) |

## 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 For the entire facility, 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 | Pollutant / Parameter | Limit/Standard |
|---|---|---|---|---|
| AA-001 (Prior to expansion) | 40 CFR 62, Part Subpart OOO – Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or before July 17, 2014, and Have Not Been Modified or Reconstructed Since July 17, 2014<br>40 CFR 62.16710(a) and 62.16711(a), Subpart OOO | 3.B.1 | NMOCs | General Applicability |
| AA-001 (After expansion) | 40 CFR Part 60, Subpart XXX – Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014<br>40 CFR 60.760(a) and 60.762(d)(1), Subpart XXX | 3.B.2 | NMOCs | General Applicability |

3.B.1 For Emission Point AA-001, the permittee is subject to and shall comply with the applicable requirement found in 40 CFR Part 62, Subpart OOO – Federal Plan Requirements for Municipal Solid Waste (MSW) Landfills That Commenced Construction On or Before July 17, 2014, and Have Not Been Modified or Reconstructed Since July 17, 2014, **prior to commencing** construction of the proposed expansion.

(Ref.: 40 CFR 62.16710(a) and 62.16711(a), Subpart OOO)

3.B.2 For Emission Point AA-001, the permittee is subject to and shall comply with the applicable requirements found in 40 CFR Part 60, Subpart XXX – Standards of Performance for MSW Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014, and the applicable requirements found in CFR Part 60, Subpart A – General Provisions **upon commencing** construction on the proposed expansion.

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 subject to the requirement for a control system specified in 40 CFR 60.762(b).

Once applicable to Subpart XXX, the permittee shall no longer be applicable to any requirements promulgated by 40 CFR Part 62, Subpart OOO.

(Ref.: 40 CFR 60.760(a) and 60.762(d)(1), Subpart XXX)

C. Insignificant and Trivial Activity Emission Limitations & Standards

**There are no standards applicable to the insignificant activities reported in the source's Title V application.**

D. Work Practice Standards

**No work practice standards apply at this time.**

## 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 – via the Compliance and Emissions Data Reporting Interface (CEDRI) – a certification of compliance with terms and conditions contained in this permit (including emission limitations, standards, or work practices) by January 31 of each year for the preceding calendar year. If the permit was reissued or modified during the preceding calendar year, the compliance certification shall address each version of the permit. Each compliance certification shall include the following information:

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

(b) The identification of the method(s) or other means used by the permittee for determining the compliance status with each term and condition during the certification period. Such methods and other means shall include (at a minimum) the methods and means required by this permit.

(c) If necessary, the permittee also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Act, which prohibits knowingly making a false certification or omitting material information;

(d) The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent;

(e) The identification of each deviation;

(f) The identification of exceptions to compliance in any periods during which compliance is required and in which an excursion or exceedance as defined in 40 CFR Part 64 (Compliance Assurance Monitoring) occurred; and

(g) 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), and (d).)

4.3 For Emission Point AA-001, the permittee may opt to operate the gas collection and control system (GCCS) in accordance with the provisions specified in 40 CFR 63.1958, 63.1960, and 63.1961, Subpart AAAA in lieu of 40 CFR 60.763, 60.765, and 60.766 Subpart XXX at such time when the permittee is required to install and operate a GCCS pursuant to Condition 5.B.2.

Once the permittee begins complying the provisions of Subpart AAAA, the permittee must continue operating the GCCS in accordance with Subpart AAAA and cannot return to the provisions of Subpart XXX.

(Ref.: 40 CFR 60.762(b)(2)(iv), Subpart XXX)

# 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 information the following:

(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 31 and January 31 of each calendar year 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 MDEQ Regulation 11 Miss. Admin. Code Pt. 2, R. 6.2.E.

For applicable periodic reporting requirements in 40 CFR Parts 60, 61, and 63, the permittee shall comply with the deadlines in this condition for reporting conducted on a semi-annual basis. In addition, any required quarterly reports shall be submitted by the end of the month following each calendar quarter (i.e., April 30, July 31, October 31, and January 31), and any required annual reports shall be submitted by January 31 following each calendar year.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)
(Ref.: 40 CFR 60.19(c), 61.10(g), and 63.10(a)(5); Subpart A)

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 respective versions (or their equivalents) approved by 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).)

5.A.8 Unless otherwise specified in Section 4 of this permit, the monitoring, testing, recordkeeping, and reporting requirements specified in Section 5 herein supersede the requirements of any preceding permit to construct and/or operate upon permit issuance.

(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 60.762(b); Subpart XXX | 5.B.1 | NMOCs | Calculate Mass Emission Rate Annually [or Every 5-Year Period (as applicable)] |
| | 40 CFR 60.764(a)(1)(i) and (ii); Subpart XXX | 5.B.2 | NMOC Emission Rate | Calculation Methods (as applicable) |
| | 40 CFR 60.764(a)(2) – (6); Subpart XXX | 5.B.3 | | "Tier" Procedures (as applicable) |
| | 40 CFR 60.768(a); Subpart XXX | 5.B.4 | GCCS<br>Solid Waste | Recordkeeping Requirements |
| | 40 CFR 60.768(f); Subpart XXX | 5.B.5 | Design Capacity | |

5.B.1 For Emission Point AA-001, the permittee shall calculate the total NMOC mass emission rate annually in accordance with either the procedures outlined Condition 5.B.2 or Condition 5.B.3 (as applicable) at the onset of having a design capacity equal to or greater than 2.5 million megagrams (Mg) and 2.5 million cubic meters.

(Ref.: 40 CFR 60.762(b); Subpart XXX)

5.B.2 For Emission Point AA-001, the permittee shall calculate the total NMOC mass emission rate ("$M_{NMOC}$") using "Equation 1" or "Equation 2". Both equations may be used in conjunction if the actual year-to-year solid waste acceptance rate is known for part of the landfill's life and the year-to-year solid waste acceptance rate is unknown for the other part of the landfill's life:

(a) The permittee shall use Equation 1 if the actual year-to-year solid waste acceptance rate is known:

$$M_{NMOC} = \sum_{i=1}^{n} 2\,k\,L_O\,M_i\,(e^{-kt_i})\,(C_{NMOC})\,(3.6 \times 10^{-9}) \qquad \textbf{(Eqn. 1)}$$

where:

$M_{NMOC}$ = The total NMOC emission rate, in Mg per year;

$k$ = 0.05 [methane generation rate constant, in year $^{-1}$];

$L_O$ = 170 [methane generation potential, in cubic meters per Mg solid waste];

$M_i$ =The sass of solid was in the $i^{th}$ section, in Mg;

$t_i$= The age of the $i^{th}$ section, in years;

$C_{NMOC}$ = 4,000.00, in ppmv as hexane.

The mass of non-degradable solid may be subtracted from the total mass of solid waste in a specific section of the landfill when calculating the value for "$M_i$" (if documentation of the nature and amount of such wastes is maintained).

(b) The permittee shall use Equation 3 if the actual year-to-year solid waste acceptance rate is unknown:

$$M_{NMOC} = 2\ L_O\ R\ (e^{-kc} - e^{-kt})\ (C_{NMOC})\ (3.6 \times 10^{-9}) \qquad \textbf{(Eqn. 2)}$$

where:

$M_{NMOC}$ = The total NMOC emission rate, in Mg per year;

$L_O$ = 170 [methane generation potential, in cubic meters per Mg solid waste];

$R$ = The average annual acceptance rate, in Mg per year;

$k$ = 0.05 [methane generation rate constant, in year $^{-1}$];

$t$ = The age of the landfill, in years;

$C_{NMOC}$ = 4,000.00, in ppm$_v$ as hexane;

$c$ = Time since closure, years; [for an active affected source, $c$ = 0 and $e^{-kc}$ = 1].

The mass of non-degradable solid may be subtracted from the total mass of solid waste in a specific section of the landfill when calculating the value for "$R$" (if documentation of the nature and amount of such wastes is maintained).

(Ref: 40 CFR 60.764(a)(1)(i) and (ii); Subpart XXX)

5.B.3 For Emission Point AA-001, the permittee shall comply with the procedures outlined for each "Tier" (as applicable):

(a) **<u>Tier 1</u>**

(1) The permittee shall compare the "$M_{NMOC}$" calculated from the procedures outlined in Condition 5.B.2 to the standard of 34 Mg per year.

(i) If the calculated "$M_{NMOC}$" is less than 34 Mg per year, the permittee shall comply with the reporting requirements outlined in Condition 5.C.3;

(ii) If the calculated "$M_{NMOC}$" is equal to or greater than 34 Mg per year, the permittee shall comply with one of the following options:

(A) Comply with the reporting requirement outlined in Condition 5.C.4(d) and install / operate a GCCS within thirty (30) months after the first annual report in which the "$M_{NMOC}$" equals or exceeds 34 Mg per year;

(B) Determine a site-specific NMOC concentration ("$C_{NMOC}$") and recalculate the "$M_{NMOC}$" using the "Tier 2" procedure as outlined in Condition 5.B.3(b); or

(C) Determine a site-specific methane generation rate constant ("$k$") and recalculate the "$M_{NMOC}$" using the "Tier 3" procedure as outlined in 40 CFR 60.764(a)(4), Subpart XXX.

(b) **<u>Tier 2</u>**

(1) The permittee shall determine a site-specific "$C_{NMOC}$" using the following procedure:

(i) The permittee must install at least two (2) sample probes per hectare, evenly distributed over the affected source's surface that has retained waste for at least two (2) years. If the affected source is larger than twenty-five (25) hectares in area, only fifty (50) samples are required;

(ii) The probes should be evenly distributed across the sample area, and the sample probes should be located to avoid known areas of nondegradable solid waste;

(iii) The permittee must collect and analyze one sample of landfill gas from each probe to determine "$C_{NMOC}$" using EPA Test Method 25 or Method 25C (i.e., "Method 25 / Method 25C");

(iv) Taking composite samples from different probes into a single cylinder is allowed. However, equal sample volumes must be taken from each probe;

(v) For each composite, the sample rate, collection times, beginning and ending cylinder vacuums, or alternative volume measurements must be recorded to verify that composite volumes are equal;

(vi) Composite sample volumes should be less than one (1) liter unless evidence can be provided to substantiate the accuracy of smaller volumes. Terminate compositing before the cylinder approaches ambient pressure where measurement accuracy diminishes;

(vii) If more than the required number of samples are taken, all samples must be used in the analysis;

(viii) The permittee must divide the "$C_{NMOC}$" from Method 25 / Method 25C analysis by six (6) to convert from the "$C_{NMOC}$ *as carbon*" to the "$C_{NMOC}$ *as hexane*";

(ix) If the affected source has an active or passive gas collection system in place, Method 25 / Method 25C analysis samples may be collected from these systems instead of surface probes provided that the collection system can be shown to present sampling as representative of the two (2) sampling probes per hectare requirement.

(x) For the active collection systems, samples may be collected from the common header pipe. The sample location on the common header pipe must be before any gas moving, condensate removal, or treatment system equipment;

(xi) For active collection systems, a minimum of three (3) samples must be collected from the header pipe.

(2) The permittee shall reevaluate the site-specific "$C_{NMOC}$" every five (5) years using the procedure outlined in paragraph (b)(1) of this condition.

(3) The permittee shall recalculate the "$M_{NMOC}$" in accordance with Condition 5.B.2 and using the average site-specific "$C_{NMOC}$" from the collected samples instead of the default value originally provided therein.

(4) The permittee shall compare the resulting "$M_{NMOC}$" to the standard of 34 Mg per year.

(i) If the calculated "$M_{NMOC}$" is less than the referenced standard, the permittee shall recalculate the $M_{NMOC}$ annually in accordance with Condition 5.B.2 using the average site-specific "$C_{NMOC}$" and shall comply with the reporting requirement outlined in Condition 5.C.3;

(ii) If the calculated "$M_{NMOC}$" is equal to or greater than the referenced standard, the permittee shall comply with one of the following options:

(A) Comply with the reporting requirement outlined in Conditions 5.C.4(d) and install / operate a GCCS within thirty (30) months after the first annual report in which the "$M_{NMOC}$" equals to or exceeds 34 Mg per year;

(B) Determine a site-specific methane generation rate constant ("*k*") and recalculate the "$M_{NMOC}$" using the "Tier 3" procedure as outlined in 40 CFR 60.764(a)(4), Subpart XXX; or

(C) Conduct a surface emission monitoring demonstration using the "Tier 4" procedure as outlined in 40 CFR 60.764(a)(6), Subpart

XXX.

(Ref: 40 CFR 60.764(a)(2) – (6), Subpart XXX)

5.B.4 For Emission Point AA-001, the permittee shall maintain the following information upon such time the permittee is subject to the installation and operation of the GCCS:

(a) The design capacity report that triggered applicability to Subpart XXX;

(b) The current amount of solid waste in-place;

(c) The year-by-year waste acceptance rate; and

(d) All records associated with the GCCS from the applicable requirements found in 40 CFR 60.768(b) – (e), Subpart XXX.

(Ref.: 40 CFR 60.768(a) – (e); Subpart XXX)

5.B.5 For Emission Point AA-001, the permittee shall maintain documentation on the annual recalculation of the site-specific density, design capacity, and the supporting documentation if the permittee converts the design capacity from volume to mass or mass to volume to demonstrate that the landfill design capacity is less than 2.5 million megagrams or 2.5 million cubic meters.

(Ref.: 40 CFR 60.768(f), Subpart XXX)

C. Specific Reporting Requirements

| Emission Point(s) | Applicable Requirement | Condition Number | Pollutant / Parameter Monitored | Reporting Requirement |
|---|---|---|---|---|
| AA-001 | 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11). | 5.C.1 | Design Capacity | Notify MDEQ on Commencing Construction of Proposed Expansion |
| | 40 CFR 60.767(a)(3); Subpart XXX | 5.C.2 | | Submit an Amended Design Capacity Report |
| | 40 CFR 60.767(b); Subpart XXX | 5.C.3 | NMOCs | Submit NMOC Emission Rate Report |
| | 40 CFR 60.767(c); Subpart XXX | 5.C.4 | GCCS | Submit an Initial Design Plan |
| | 11 Miss. Admin. Code, Pt. 2, R. 2.2.B.(11). | 5.C.5 | GCCS | Submit a "Minor Permit Modification" |

5.C.1 For Emission Point AA-001, the permittee shall submit a notification to MDEQ that details the date on which construction of the proposed expansion commences no later than fifteen (15) days after the event.

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

5.C.2 For Emission Point AA-001, the permittee shall submit a design capacity report to MDEQ no later than ninety (90) days after the date on which construction commences on the proposed expansion that results in an increase in the maximum design capacity to meet or exceed 2.5 million megagrams and 2.5 million cubic meters. The report shall contain the following information:

(a) A map or plot of the landfill that provides the size and location of the landfill, and identifies all areas where solid waste may be landfilled pursuant to the applicable State of Mississippi Solid Waste Management Permit; and

(b) The maximum design capacity of the landfill.

(Ref.: 40 CFR 60.767(a)(3); Subpart XXX)

5.C.3 For Emission Point AA-001, the permittee shall submit a NMOC emission report to MDEQ in accordance with the following requirements:

(a) The permittee shall submit the initial report no later than ninety (90) after the date on which construction commences on the proposed expansion. Thereafter, except as otherwise specified in paragraph (b) of this condition, the permittee shall submit subsequent reports annually.

(b) The permittee may elect to submit an estimate of the "$M_{NMOC}$" for the next 5-year period in lieu of annual reporting if the estimated "$M_{NMOC}$" (as reported in the annual reports to MDEQ) is less than 34 Mg per year in each of the next five (5) consecutive years.

This estimate must include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which the "$M_{NMOC}$" is estimated.

All data and calculations upon which this estimate is based must be provided to MDEQ. This estimate must be revised at least once every five (5) years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate reported in any year in the 5-year estimate, a revised 5-year estimate must be submitted to MDEQ. The revised estimate must cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

(c) The report must include all applicable data, calculations, sample reports and measurements used to estimate annual or 5-year emissions.

The permittee is exempt from his condition after the installation and operation of a GCCS that complies with all applicable design requirements, operational standards, and compliance provisions found in 40 CFR Part 60, Subpart XXX.

(Ref.: 40 CFR 60.767(b); Subpart XXX)

5.C.4 For Emission Point AA-001, the permittee shall submit a GCCS design plan to MDEQ for approval in accordance with the schedule outlined in paragraph (d) of this condition. The GCCS design plan must be prepared and approved by a certified professional engineer and must meet the following requirements:

(a) The GCCS as described in the design plan must meet the design requirements specified in 40 CFR 60.762(b)(2), Subpart XXX;

(b) The GCCS design plan must include any proposed alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions promulgated in 40 CFR 60.763 through 603768, Subpart XXX;

(c) The GCCS design plan must either conform with the specifications for active collection systems in Conditions 40 CFR 60.769, Subpart XXX or include a demonstration to MDEQ's satisfaction of the sufficiency of alternative provisions;

(d) The GCCS design plan must be submitted to MDEQ for approval within one (1) year of either the first "$M_{NMOC}$" report that demonstrates the $M_{NMOC}$ equals or exceeds 34 Mg per year, except for the following provisions:

(1) If the permittee elects to recalculate the "$M_{NMOC}$" after determining the average site-specific "$C_{NMOC}$" [outlined in Condition 5.B.5(b)] and the resulting rate is less than 34 Mg per year, annual periodic reporting must be resumed using the average site-specific "$C_{NMOC}$" until the calculated emission rate is equal to or greater than 34 Mg per year or the landfill is closed.

The revised "$M_{NMOC}$" report (with the recalculated emission rate based on "Tier 2" procedure) must be submitted within 180 days of the first calculated exceedance of 34 Mg per year.

(2) If the permittee elects to recalculate the "$M_{NMOC}$" after determining a site-specific methane generation rate constant ("$k$") value [outlined in Condition 5.B.5(c)] and the resulting "$M_{NMOC}$" is less than 34 Mg per year, annual periodic reporting must be resumed. The resulting "$k$" value (in conjunction with the average site-specific "$C_{NMOC}$") must be used in the emission rate calculation until such a time as the emissions rate calculation results in an exceedance.

The revised "$M_{NMOC}$" report based on the "Tier 3" procedure and the resulting "$k$" value must be submitted to the MDEQ within one (1) year of the first calculated emission rate equaling or exceeding 34 Mg per year.

(e) The permittee must notify MDEQ that the design plan is completed and submit a copy of the plan's signature page. MDEQ will then have ninety (90) days to decide whether the design plan should be submitted for review. If MDEQ chooses to review the plan, the approval process continues as described in paragraph (f) of this condition. However, if MDEQ indicates that submission is not required or does not respond within 90 days, the permittee may continue to implement the plan with the recognition that the permittee is proceeding at their own risk.

If the design plan is required to be modified to obtain approval, the permittee must take any steps necessary to conform any prior actions to the approved design plan and any failure to do so could result in an enforcement action.

(f) Upon receipt of an initial or revised design plan, MDEQ must review the information submitted and either approve it, disapprove it, or request that additional information be submitted. Because of the many site-specific factors involved with landfill gas system design, alternative systems may be necessary.

If MDEQ does not approve a design plan, disapprove a design plan, nor request that additional information be submitted within 90 days of receiving a design plan, the permittee may continue with implementation of the design plan, recognizing they would be proceeding at their own risk.

(Ref.: 40 CFR 60.767(c); Subpart XXX)

5.C.4 For Emission Point AA-001, the permittee shall submit a revised GCCS design plan to MDEQ for approval as follows:

(a) At least ninety (90) days before expanding operations to an area not covered by the previously approved design plan; or

(b) Prior to installing or expanding the gas collection system in a way that is not consistent with the design plan submitted in accordance with Condition 5.C.3.

(Ref.: 40 CFR 60.767(d); Subpart XXX)

5.C.5 For Emission Point AA-001, the permittee shall submit an application to MDEQ requesting a "minor permit modification" [in accordance with 11 Miss. Admin. Code Pt. 2, R. 6.4.E.(1).] to MDEQ **if** the permittee opts to comply with the applicable compliance provisions of 40 CFR Part 63, Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) in lieu of Subpart XXX.

For this condition, the submittal of the referenced application shall serve as formal notification of the permittee's applicability to Subpart AAAA and Condition 4.3.

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

## 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 containing class I, class II or non-exempt substitute refrigerants;

(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

| | |
|---|---|
| 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 Pollutant |
| lb/hr | Pounds per Hour |
| M or K | Thousand |
| 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 |
| 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 |
| $PM_{2.5}$ | Particulate Matter less than 2.5 µm in diameter |
| ppm | Parts per Million |
| PSD | Prevention of Significant Deterioration |
| SIP | State Implementation Plan |
| $SO_2$ | Sulfur Dioxide |
| SSM | Startup, Shutdown, and Malfunction |
| TPY | Tons per Year |
| TRS | Total Reduced Sulfur |
| VEE | Visible Emissions Evaluation |
| VHAP | Volatile Hazardous Air Pollutant |
| VOHAP | Volatile Organic Hazardous Air Pollutant |
| VOC | Volatile Organic Compound |