

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

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Canton Municipal Utilities
2096 Highway 43 North
Canton, Mississippi
Madison 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: September 30, 2024

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Becky Simonson

AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires: August 31, 2029

Permit No.: 1720-00070

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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 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.)

- 1.25 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	18.62 MMBtu/hr (7,318 HP) Electricity Generating Diesel-Fired Engine (DE-1) (Model Year-2000)
AA-002	18.62 MMBtu/hr (7,318 HP) Electricity Generating Diesel-Fired Engine (DE-2) (Model Year-2000)
AA-003	18.62 MMBtu/hr (7,318 HP) Electricity Generating Diesel-Fired Engine (DE-3) (Model Year-2000)
AA-004	18.62 MMBtu/hr (7,318 HP) Electricity Generating Diesel-Fired Engine (DE-4) (Model Year-2000)
AA-005	18.62 MMBtu/hr (7,318 HP) Electricity Generating Diesel-Fired Engine (DE-5) (Model Year-2000)

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(s)	Pollutant/Parameter	Limit/Standard
AA-001 AA-002 AA-003 AA-004 AA-005	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.1	PM (filterable)	$E = 0.8808 * I^{0.1667}$
AA-001 AA-002 AA-003 AA-004 AA-005	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002	3.B.2	SO ₂	Limited to No. 2 fuel oil with a maximum sulfur content of 0.05% by weight
AA-001 AA-002 AA-003 AA-004	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002	3.B.3	NO _x	≤ 56.58 lbs/hr not to exceed 49.51 TPY (each engine) determined on a 12-month rolling total basis
		3.B.4	Operating restriction	Each engine limited to ≤ 1,750 hours of operation in any rolling 12-month period
AA-005	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002, and 11 Miss. Admin. Code Pt. 2, R. 2.15.C., as established in the Title V Operating Permit issued November 20, 2009, and modified on December 12, 2012	3.B.5	NO _x	≤ 70.73 lbs/hr not to exceed 49.51 TPY determined on a 12-month rolling total basis
		3.B.6	Operating restriction	The engine is limited to ≤ 1,400 hours of operation in any rolling 12-month period
AA-001 AA-002 AA-003 AA-004 AA-005	40 CFR 63, Subpart ZZZZ 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	3.B.7	HAP	General Applicability
	40 CFR 63.6603(a), 63.6625(h), and Tables 2d and 2b, Subpart ZZZZ	3.B.8		Limit concentration of CO in the exhaust to 23 ppmvd at 15% O ₂ OR reduce CO emissions by 70% or more
		3.B.9		Operating requirements for oxidation catalyst
	40 CFR 63.6604(a), Subpart ZZZZ	3.B.10		Diesel fuel requirements

3.B.1 For Emission Points AA-001 through AA-005, the maximum permissible emission of ash and/or particulate matter (PM) from each engine shall not exceed the emission rate determined by the relationship

$$E = 0.8808 * I^{0.1667}$$

where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour.

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

- 3.B.2 For Emission Points AA-001 through AA-005, the permittee shall not burn any fuel other than No. 2 fuel oil with a maximum sulfur content of 0.05 percent by weight.

(Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002)

- 3.B.3 For Emission Points AA-001 through AA-004, the permittee shall limit emissions of nitrogen oxides (NO_x) from each engine to less than or equal to 56.58 lbs/hr not to exceed 49.51 tons per year on a consecutive 12-month rolling total basis.

(Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002)

- 3.B.4 For Emission Points AA-001 through AA-004, each engine shall be limited to operating less than or equal to 1,750 hours per year determined on a rolling 12-month total basis.

(Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002)

- 3.B.5 For Emission Point AA-005, the permittee shall limit emissions of nitrogen oxides (NO_x) from the engine to less than or equal to 70.73 lbs/hr not to exceed 49.51 tons per year on a consecutive 12-month rolling total basis.

(Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002, and 11 Miss. Admin Code Pt. 2, R. 2.15.C., as established in the Title V Operating Permit issued November 20, 2009, and modified on December 12, 2012)

- 3.B.6 For Emission Point AA-005, the engine shall be limited to operating less than or equal to 1,400 hours per year determined on a rolling 12-month total basis.

(Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued February 20, 2001, and modified on September 23, 2002, and 11 Miss. Admin Code Pt. 2, R. 2.15.C., as established in the Title V Operating Permit issued November 20, 2009, and modified on December 12, 2012)

- 3.B.7 Emission Points AA-001 through AA-005 are subject to and shall comply with the applicable requirements of the NESHAP for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ and the applicable General Provisions, 40 CFR 63, Subpart A identified in Table 8 of Subpart ZZZZ.

For purposes of this subpart, these engines are considered existing, non-emergency compression ignition stationary RICE with a site rating greater than 500 HP located at an area source of HAP emissions. The permittee shall be in compliance with the applicable requirements of Subpart ZZZZ at all times and shall operate and maintain the engines 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 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 63.6580, 63.6585(a) and (c), 63.6590(a)(1)(iii), and 63.6605, Subpart ZZZZ)

- 3.B.8 For Emission Points AA-001 through AA-005, the permittee shall limit the concentration of Carbon Monoxide (CO) in the exhaust of each engine to less than or equal to 23 ppmvd at 15 percent Oxygen (O₂) **OR** reduce CO in each engine's exhaust stream by 70% using an oxidation catalyst. This requirement is applicable at all times except during startup. The permittee shall minimize each engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

(Ref.: 40 CFR 63.6603(a), 63.6625(h), and Table 2d, Subpart ZZZZ)

- 3.B.9 For Emission Points AA-001 through AA-005, the permittee shall maintain the oxidation catalyst on each engine so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test and maintain the temperature of the exhaust from each engine such that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1,350 °F.

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

- 3.B.10 For Emission Points AA-001 through AA-005, the permittee shall use diesel fuel that meets the following requirements from 40 CFR 1090.305 for nonroad diesel fuel:

- (a) Maximum sulfur content of 15 ppm.
- (b) Minimum cetane index of 40 OR Maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 63.6604(a), Subpart ZZZZ)

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.

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 31 for the preceding calendar year. If the permit was reissued or modified during the course of the preceding calendar year, the compliance certification shall address each version of the permit. 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).)

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 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. 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 semiannual basis. Additionally, any required quarterly reports shall be submitted by the end of the month following each calendar quarter (i.e., April 30th, July

31st, October 31st, and January 31st), and any required annual reports shall be submitted by January 31st following each calendar year.

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

- 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).)

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

(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 AA-002 AA-003 AA-004 AA-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(1).	5.B.1	NO _x	Biennial performance testing
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.2	SO ₂	Monitor and record sulfur content in fuel
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(1).	5.B.3	NO _x	Semiannual monitoring with portable analyzer
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.4	Hours of operation	Monitor and record hours of operation for each engine
AA-001 AA-002 AA-003 AA-004 AA-005	40 CFR 63.6615, 63.6620(a), (b), (d), (e), and (i), and Tables 3 and 4, Subpart ZZZZ	5.B.5	HAP	Performance testing
	40 CFR 63.6640(a), 63.6635, and Table 6, Subpart ZZZZ	5.B.6		Oxidation catalyst monitoring
	40 CFR 63.6625(g), Subpart ZZZZ	5.B.7		Crankcase emission requirements
	40 CFR 63.6640(b), Subpart ZZZZ	5.B.8		Catalyst changeout requirements
	40 CFR 63.6655(a) and (d) and 63.6660, Subpart ZZZZ	5.B.9		Recordkeeping

5.B.1 For Emission Points AA-001 through AA-005, the permittee shall demonstrate compliance with the nitrogen oxides (NO_x) by biennial (not to exceed 25 months from the previous test) performance testing in accordance with EPA Reference Method 7 or an EPA approved equivalent. The permittee may complete the performance tests by rotating/alternating the engines that are tested biennially in lieu of testing all of the units biennially. The permittee shall not test the same engine consecutively when using the option of rotating performance testing. The permittee shall test each engine at a frequency of no less than every fifth stack test or less than two (2) permit terms, whichever comes first, unless an engine has been decommissioned.

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

5.B.2 For Emission Points AA-001 through AA-005, the permittee shall obtain a fuel certification from the supplier for each shipment of fuel oil received which certifies that the sulfur content does not exceed 0.05 percent by weight. The permittee shall maintain copies of the fuel certifications onsite in accordance with Condition 5.A.3.

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

- 5.B.3 For Emission Points AA-001 through AA-005, the permittee shall conduct semiannual monitoring (not to exceed 7 months from the previous one) with an approved portable analyzer to ensure compliance with the short-term NO_x limit (lbs/hr). The monitoring shall be conducted in accordance with EPA Conditional Test Method CTM-034 or an EPA approved equivalent.

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

- 5.B.4 For Emission Points AA-001 through AA-005, the permittee shall maintain records detailing the hours of operation for each engine on a monthly basis and on a 12-month rolling total. These records shall be kept onsite and made available to the MDEQ personnel upon request. These records shall be maintained using the non-resettable hour meter installed on each engine.

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

- 5.B.5 For Emission Points AA-001 through AA-005, the permittee shall conduct performance tests on each engine every 8,760 hours of operation or every three (3) years, whichever comes first. The performance tests shall be conducted in accordance with the requirements contained in Item 1 of Table 4 in Subpart ZZZZ. If the engine is not operational at the time the performance test is due, the permittee is not required to start up the engine solely to conduct the performance test. The performance test should be completed once the engine is operational again. Each performance test shall consist of three separate test runs that last at least one (1) hour.

During the performance test, the engine percent load must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application.

(Ref.: 40 CFR 63.6615, 63.6620(a), (b), (d), (e), and (i), and Tables 3 and 4, Subpart ZZZZ)

- 5.B.6 For Emission Points AA-001 through AA-005, the permittee shall demonstrate continuous compliance in accordance with the following:
- (a) Collect the catalyst inlet temperature data in accordance with 40 CFR 63.6625(b);
 - (b) Reduce the data obtained in paragraph (a) to 4-hour rolling averages;
 - (c) Maintain the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and
 - (d) Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the previous performance test.

Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee must monitor continuously at all times the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The permittee must, however, use all the valid data collected during all other periods.

(Ref.: 40 CFR 63.6640(a), 63.6635, and Table 6, Subpart ZZZZ)

- 5.B.7 For Emission Points AA-001 through AA-005, the permittee shall install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals. The permittee shall follow the manufacturer's specified maintenance requirements for operating and maintaining the open crankcase ventilation systems and replacing the crankcase filters, or request that the MDEQ approve different maintenance requirements that are as protective as the manufacturer's requirements.

(Ref.: 40 CFR 63.6625(g), Subpart ZZZZ)

- 5.B.8 For Emission Points AA-001 through AA-005, if the permittee changes the catalyst, the permittee shall conduct a performance test to demonstrate the applicable emission limit(s) are still being met and to reestablish the values of the operating parameters measured during the initial or previously completed performance test.

(Ref.: 40 CFR 63.6640(b), Subpart ZZZZ)

- 5.B.9 For Emission Points AA-001 through AA-005, the permittee shall keep the records below in a form suitable (hard copy or electronic) and readily available for review for five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

- (a) A copy of each notification and report that the permittee submitted to comply with Subpart ZZZZ, including all documentation supporting any required notifications;
- (b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment;
- (c) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii);
- (d) Records of all required maintenance performed on the air pollution control and monitoring equipment;

- (e) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation; and
- (f) The records required in Table 6 of Subpart ZZZZ that are contained in Condition 5.B.6.

(Ref.: 40 CFR 63.6655(a) and (d) and 63.6660, Subpart ZZZZ)

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Reporting Requirement
AA-001 AA-002 AA-003 AA-004 AA-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b).	5.C.1	NO _x	Performance test and analyzer notification requirements
		5.C.2	SO ₂	Semiannual report
		5.C.3	Hours of operation	
AA-001 AA-002 AA-003 AA-004 AA-005	40 CFR 63.6645(g), Subpart ZZZZ	5.C.4	HAP	Performance test notification
	40 CFR 63.6640(b) and 63.6650(d), Subpart ZZZZ	5.C.5		Report deviations in semiannual compliance reports
	40 CFR 63.6650(a), (b)(5), (8), and (9), and (c) and Table 7, Subpart ZZZZ	5.C.6		Semiannual and annual compliance reports

5.C.1 For Emission Points AA-001 through AA-005, the permittee shall submit the following information for each performance test:

- (a) A written test protocol at least thirty (30) days prior to the proposed test date to ensure that all test methods and procedures are acceptable to the MDEQ. For all subsequent tests, the submittal of the test protocol requirement may be waived provided the protocol will not change and a request confirming such is made to the MDEQ.
- (b) The permittee shall notify the MDQ in writing at least ten (10) days prior to the intended test date(s) so an observer may be afforded the opportunity to witness the test.
- (c) The permittee shall submit the results of each performance test within sixty (60) days after the test date.
- (d) The permittee shall submit the results from each instance emissions are monitored using a portable analyzer within forty-five (45) days after such date.

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

- 5.C.2 For Emission Points AA-001 through AA-005, the permittee shall submit a semiannual report in accordance with Condition 5.A.4 which contains a summary of the fuel oil sulfur content received during the reporting period. The report shall also provide the date, quantity, and sulfur content for any shipment of fuel oil received during the reporting period that exceeded the sulfur content limit of 0.05 percent by weight.

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

- 5.C.3 For Emission Points AA-001 through AA-005, the permittee shall submit a semiannual report in accordance with Condition 5.A.4 which contains the monthly operating hours for each engine during the reporting period and the 12-month rolling totals for each engine.

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

- 5.C.4 For Emission Points AA-001 through AA-005, the permittee shall submit a Notification of Intent to conduct a performance test at least sixty (60) days before the performance test is scheduled to begin.

(Ref.: 40 CFR 63.6645(g), Subpart ZZZZ)

- 5.C.5 For Emission Points AA-001 through AA-005, the permittee shall submit a semiannual report in accordance with Condition 5.A.4 which details each deviation from a Subpart ZZZZ emission or operating limit that occurs during the reporting period. The semiannual report shall contain the following information for each deviation:

- (a) Company name and address.
- (b) A statement by a responsible official, which contains that official's name, title, and signature, certifying the accuracy of the content of the report.
- (c) Date of report and beginning and ending dates of the reporting period.
- (d) If a malfunction occurred during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction that occurred during the reporting period and which caused or may have caused an applicable emission limitation to be exceeded. The report must also include a description of the actions taken during the malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.
- (e) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
- (f) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the correction action(s) taken.

This condition does not exempt the permittee from having to report deviations as required in Condition 5.A.5.

(Ref.: 40 CFR 63.6640(b) and 63.6650(d), Subpart ZZZZ)

- 5.C.6 For Emission Points AA-001 through AA-005, the permittee shall submit semiannual and annual compliance reports in accordance with Conditions 5.A.4 and 4.2. Each compliance report submitted to satisfy Subpart ZZZZ requirements shall contain the information in Condition 5.C.5 (a) – (d). If there were no deviations of applicable emission or operating limits during the reporting period, the compliance report should include a statement that there were no deviations from applicable emission or operating limits during the reporting period.

(Ref.: 40 CFR 63.6650(a), (b)(5), (8), and (9), and (c) and Table 7, 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 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

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. 5. - Regulations for the Prevention of Significant Deterioration of Air Quality (Amended April 28, 2016)

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 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines

40 CFR 82, Protection of Stratospheric Ozone