

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

**TO OPERATE AIR EMISSIONS EQUIPMENT**

**THIS CERTIFIES THAT**

Mississippi Baptist Medical Center  
1225 North State Street  
Jackson, Mississippi  
Hinds 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:** DEC 02 2016

**Effective Date:** As specified herein.

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**



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**AUTHORIZED SIGNATURE**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Expires:** NOV 30 2021

**Permit No.:** 1080-00069

## **TABLE OF CONTENTS**

SECTION 1. GENERAL CONDITIONS.....	3
SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES .....	12
SECTION 3. EMISSION LIMITATIONS & STANDARDS .....	12
SECTION 4. COMPLIANCE SCHEDULE.....	18
SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS .....	20
SECTION 6. ALTERNATIVE OPERATING SCENARIOS .....	25
SECTION 7. TITLE VI REQUIREMENTS.....	26

**APPENDIX A LIST OF ABBREVIATIONS USED IN THIS PERMIT**

**APPENDIX B LIST OF REGULATIONS REFERENCED IN PERMIT**

## 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 (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).) 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).)
- (c) 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.)

- (d) 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 51.166; 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 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."
- 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 air fields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.G.)
- 1.24 Except as otherwise specified herein, the permittee shall be subject to the following provision with respect to emergencies.
- (a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or



operator error.

- (b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.
- (c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:
  - (1) an emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - (2) the permitted facility was at the time being properly operated;
  - (3) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
  - (4) the permittee submitted notice of the emergency to the DEQ within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

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

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

- (a) Upsets (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.KK.)
  - (1) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:
    - (i) an upset occurred and that the permittee can identify the cause(s) of the upset;
    - (ii) the source was at the time being properly operated;

- (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit;
    - (iv) the permittee submitted notice of the upset to the DEQ within 5 working days of the time the upset began; and
    - (v) the notice of the upset shall contain a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.
  - (2) In any enforcement proceeding, the permittee 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.
- (b) Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.HH. & R. 1.2.CC.)
- (1) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows:
    - (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above;
    - (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or
    - (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.
  - (2) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.
  - (3) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply.
- (c) Maintenance.
- (1) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with

emission standards, or other regulatory requirements if the permittee can demonstrate the following:

- (i) the permittee can identify the need for the maintenance;
- (ii) the source was at the time being properly operated;
- (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit;
- (iv) the permittee submitted notice of the maintenance to the DEQ within 5 working days of the time the maintenance began or such other times as allowed by DEQ; and
- (v) the notice shall contain a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.

(2) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.

(3) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply.

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

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

**SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES**

Emission Point	Description
AA-001	47.4 MMBtu/hr natural gas-fired turbine generator equipped with a Heat Recovery Steam Generator (HRSG) (Constructed: 1990)
AA-002	39 MMBtu/hr natural gas-fired duct burner (#EP-069)
AA-003	20,000 gallon horizontal above ground storage tank (T-1) storing #2 fuel oil
AA-004	38 MMBtu/hr natural gas/#2 fuel oil-fired boiler (Boiler #1)
AA-005	38 MMBtu/hr natural gas/#2 fuel oil-fired boiler (Boiler #2)
AA-006	Cooling Tower for Chiller #1
AA-007	Cooling Tower for Chiller #2
AA-008	Generator Set #1, #2 oil-fired Model Year: 2005 Institutional Emergency Compression Ignition RICE >500 HP (1250 KW) with displacement < 10 Liters/cylinder
AA-009	Generator Set #2, #2 oil-fired Model Year: 2006 Institutional Emergency Compression Ignition RICE >500 HP (1250 KW) with displacement < 10 Liters/cylinder
AA-010	5,000 gallon above-ground storage tank (AST-2) storing #2 fuel oil

**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 Paragraph 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.)

**B. Emission Point Specific Emission Limitations & Standards**

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AA-001	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	3.B.1	PM	$E=0.8808 * I^{-0.1667}$
	40 CFR 60, Subpart GG (§60.330)	3.B.3	NO <sub>x</sub> , SO <sub>2</sub>	General Applicability
	40 CFR 60, Subpart GG (§60.333(b))	3.B.4	SO <sub>2</sub> via Fuel Sulfur Content	Fuel sulfur content ≤ 0.8% by weight
	40 CFR 60, Subpart GG (§60.332(a)(2) as specified by reference in §60.332(c))	3.B.5	NO <sub>x</sub>	STD = 0.0150[(14.4)/Y] + F
AA-002	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	3.B.1	PM	$E=0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.2	SO <sub>2</sub>	4.8 lbs/MMBTU
	40 CFR 60, Subpart Dc (§60.40(c)(a); §60.48(c)(g))	3.B.6	Fuel Usage Records	General Applicability Emission Standards are not applicable due to utilizing only natural gas as fuel. Recordkeeping requirements do apply (See Paragraph 5.B.5).
AA-004, AA-005	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	3.B.1	PM	$E=0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.2	SO <sub>2</sub>	4.8 lbs/MMBTU
	Federally Enforceable Permit Condition for a "moderate source."	3.B.7	Fuel Sulfur Content	Fuel sulfur content ≤ 0.5% by weight
	40 CFR Part 63, Subpart JJJJJ (§63.11195(e), §63.11210(h), §63.11237)	3.B.8	HAPs	General Applicability
AA-009	40 CFR Part 60, Subpart IIII (§60.4200(a)(2)(i))	3.B.9	Hydrocarbons, NO <sub>x</sub> , CO, and PM	General Applicability
	40 CFR Part 60, Subpart IIII (§60.4205(a), §60.4206, Table 1)	3.B.10	Hydrocarbons	1.3 g/KW-hr
			NO <sub>x</sub>	9.2 g/KW-hr
			CO	11.4 g/KW-hr

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
			PM	0.54 g/KW-hr
	40 CFR Part 60, Subpart III (§60.4207(b)) 40 CFR Part 80, Subpart I (§80.510(b)(1)(i), §80.510(b)(2))	3.B.11	Fuel Requirements	Diesel fuel requirements for stationary CI internal combustion engines
AA-008, AA-009	40 CFR Part 63, Subpart ZZZZ (§63.6580, §63.6585, §63.6640(f))	3.B.12	HAPs	General Applicability

3.B.1 Except as otherwise specified or limited herein, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input shall not exceed an emission rate as 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 Except as otherwise specified or limited herein, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by

indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)

3.B.3 Emission Point AA-001 is subject to and shall comply with NSPS, 40 CFR 60, Subpart GG – Standards of Performance for Stationary Gas Turbines and Subpart A – General Provisions.  
 (Ref.: 40 CFR 60, Subpart GG; §60.330)

3.B.4 For Emission Point AA-001, the permittee shall not burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight.  
 (Ref.: 40 CFR 60, Subpart GG; §60.333(b))

3.B.5 For Emission Point AA-001, the permittee shall not cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of

$$STD = 0.0150[(14.4)/Y] + F$$

Where:

STD = allowable NO<sub>x</sub> emissions (percent by volume at 15 percent oxygen and on a dry basis).

Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour) or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour

F = NO<sub>x</sub> emission allowance for fuel bound nitrogen as defined by the following:

F shall be defined according to the nitrogen content of the fuel as follows:

Fuel-bound nitrogen (percent by weight)	F (NO <sub>x</sub> percent by volume)
$N \leq 0.015$	0
$0.015 < N \leq 0.1$	0.04 (N)
$0.1 < N \leq 0.25$	$0.004 + 0.0067 (N-0.1)$
$N > 0.25$	0.005

Where:

N = the nitrogen content of the fuel (percent by weight)  
 (Ref.: 40 CFR 60, Subpart GG; §60.332(a)(2) and (a)(3))

3.B.6 For Emission Point AA-002, the permittee is subject to and shall comply with 40 CFR 60.40c, the NSPS Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units for which Construction, Reconstruction, or Modification is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million

Btu/hr). Steam Generating Units that utilize only natural gas as fuel are exempt from the other provisions of Subpart Dc, except the recordkeeping requirements specified in 40 CFR 60.48c(g) (See Paragraph 5.B.5).

(Ref.: 40 CFR 60, Subpart Dc; §60.40(c))

- 3.B.7 For Emission Points AA-002, AA-004, and AA-005, the permittee is limited to fuels with a maximum sulfur content of 0.5 percent by weight.  
(Ref.: Federally Enforceable Title V Operating Permit Issued October 28, 1998, and modified May 30, 2007)

- 3.B.8 Emission Points AA-004 and AA-005 are permitted to burn natural gas and #2 fuel oil; however, for purposes of determining applicability to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources, 40 CFR Part 63, Subpart JJJJJ, both boilers are considered gas-fired boilers as defined by below. Per §63.11195(e), gas-fired boilers are not subject to the requirements of Subpart JJJJJ. A *gas-fired boiler* includes any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

If the permittee switches fuels, such that the boilers would no longer be considered gas-fired boilers under Subpart JJJJJ, the permittee must determine which subcategory applies to both boilers and must demonstrate compliance with, all applicable requirements of Subpart JJJJJ, within 180 days of the effective date of the fuel switch. The permittee shall also submit a notice to the MDEQ containing the information required by §63.11225(g)(1) and (2) within 30 days of the date upon which the fuel switch occurs.

(Ref.: 40 CFR 63, Subpart JJJJJ; §63.11195(e), §63.11210(i), §63.11225(g), and §63.11237)

- 3.B.9 Emission Point AA-009 are subject to and shall comply with all applicable requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart IIII.

(Ref.: 40 CFR 60, Subpart IIII; §60.4200(a)(2)(i))

- 3.B.10 For Emission Point AA-009, the permittee shall operate and maintain the engine to achieve the following emission standards over the entire life of the engine.
- (a) The permittee shall limit the exhaust emission of Hydrocarbons to no more than 1.3 g/KW-hr (1.0 g/HP-hr).
  - (b) The permittee shall limit the exhaust emission of Nitrogen Oxides (NOX) to no more than 9.2 g/KW-hr (6.9 g/HP-hr).
  - (c) The permittee shall limit the exhaust emission of Carbon Monoxide (CO) to no more than 11.4 g/KW-hr (8.5 g/HP-hr).
  - (d) The permittee shall limit the exhaust emission of Particulate Matter (PM) to no more than 0.54 g/KW-hr (0.40 g/HP-hr).



(Ref.: 40 CFR Part 60, Subpart III; §60.4205(a), §60.4206, Table 1)

3.B.11 For Emission Point AA-009, the permittee shall use diesel fuel that meets that meets the following requirements:

- (a) Sulfur Content
  - (1) 15 ppm maximum for non-road diesel fuel
- (b) Cetane index or aromatic content
  - (1) A minimum cetane index of 40; or
  - (2) A maximum aromatic content 35 volume percent.

(Ref.: 40 CFR 60, Subpart III; §60.4207(b), and  
40 CFR Part 80, Subpart I; §80.510(b)(1)(i) and §80.510(b)(2))

3.B.12 Emission Points AA-008 and AA-009 are existing institutional emergency stationary RICE located at an area source of HAP emissions that are not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ but must meet the definition of emergency stationary RICE, which includes operating according to the following:

- (a) There is no limit on the use of the engine during emergency situations;
- (b) The engine may be operated for a maximum of 100 hours per calendar year for maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the MDEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (c) counts as part of the 100 hours per calendar year allowed by this paragraph.
- (c) The engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

If the emergency engine is not operated according to the requirements in (a) - (c) above, the engine will not be considered an emergency engine under this subpart and will need to meet any applicable requirements for a non-emergency engine under 40 CFR 63, Subpart ZZZZ.

(Ref.: 40 CFR 63, Subpart ZZZZ, §63.6580, §63.6585, and §63.6640(f))

C. Insignificant and Trivial Activity Emission Limitations & Standards

Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.C.1	PM	0.6 lbs/MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2	SO <sub>2</sub>	4.8 lbs/MMBTU

3.C.1 The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

3.C.2 The maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)

D. Work Practice Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AA-009	40 CFR Part 60, Subpart III; §60.4211(f)	3.D.1	Operational Applicability	Emergency Stationary RICE operational hours.

3.D.1 For Emission Point AA-009, the permittee shall operate the emergency stationary RICE according to the requirements in Condition 3.B.12.

The permittee shall, at all times, be in compliance with the applicable requirements of 40 CFR 60, Subpart III and shall operate and maintain the engine in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by 40 CFR 60, Subpart III have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(Ref.: 40 CFR Part 60, Subpart III; §60.4211(f), §60.4219)

**SECTION 4. COMPLIANCE SCHEDULE**

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

- 4.1 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. Each compliance certification shall include the following:
- (a) the identification of each term or condition of the permit that is the basis of the certification;
  - (b) the compliance status;
  - (c) whether compliance was continuous or intermittent;
  - (d) the method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;
  - (e) such other facts as may be specified as pertinent in specific conditions elsewhere in this permit.
- (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), & (d).)
- 4.2 The permittee shall submit progress reports consistent with an applicable schedule of compliance and 11 Miss. Admin. Code Pt. 2, R. 6.2.C(8). semiannually, or at such other frequency as is specified in an applicable requirement or by the Permit Board. Such progress reports shall contain the following:
- (a) dates for achieving the activities, milestone(s), or compliance required in the schedule of compliance, and dates when such activities, milestone(s) or compliance were achieved; and
  - (b) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

## 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.
- 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.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)
- 5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) 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.

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

**B. Specific Monitoring and Recordkeeping Requirements**

Emission Point(s)	Pollutant/Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
AA-001	Sulfur and Nitrogen Content of Fuel	Fuel nitrogen monitoring has been waived per October 14, 1997 EPA letter approving the custom fuel monitoring schedule. Sulfur monitoring is required to be performed twice per year (1 <sup>st</sup> and 3 <sup>rd</sup> calendar quarters).	5.B.1	40 CFR 60, Subpart GG (§60.334(h)(4))  EPA Region IV letter dated October 14, 1997.
		Additional monitoring required if the sulfur limit is exceeded	5.B.2	40 CFR 60, Subpart GG (§60.334(h)(4))
	NO <sub>x</sub> and CO	The permittee shall monitor NO <sub>x</sub> and CO emissions by stack testing in accordance with EPA Reference Method 20, and Method 10 respectively, on a biennial basis.	5.B.3	Federally Enforceable Title V Operating Permit issued October 28, 1998
AA-002	Fuel Type and Usage	The permittee is limited to using only natural gas as fuel. The permittee shall maintain daily records of the fuel used by this emission point.	5.B.4	40 CFR 60, Subpart Dc (§60.48c(g))
AA-002, AA-004, AA-005, AA-008, & AA-009	Fuel Quantity and Quality	The permittee shall maintain records of the type of fuel used and the quantity and quality (sulfur content and heating value). For each shipment of fuel oil, the permittee shall maintain fuel supplier certification of the percent sulfur by weight, or parts per million, as applicable.	5.B.5	Federally Enforceable Title V Operating Permit issued October 28, 1998, and modified May 30, 2007
AA-009	Operational Hours	Install a non-resettable hour meter prior to startup of the engine.	5.B.6	40 CFR Part 60, Subpart IIII (§60.4209(a))
		Record the number of operational hours of affected engine(s).		40 CFR Part 60, Subpart IIII (§60.4214(b))
	Hydrocarbons, NO <sub>x</sub> , CO, and PM	Operate engines according to manufacturer's recommendations.	5.B.7	40 CFR Part 60, Subpart IIII (§60.4211(a))
		Demonstration of compliance to Conditions 3.B.9 and 3. B.10	5.B.8	40 CFR Part 60, Subpart IIII (§60.4211(b)(1-5))

5.B.1 For Emission Point AA-001, the permittee shall monitor the sulfur content of the fuel being fired in the turbine. The frequency of determination of the sulfur content shall be as specified in the facility's EPA-approved custom fuel monitoring schedule approved by EPA by letter dated October 14, 1997:

- (a) Monitoring of fuel nitrogen content shall not be required while natural gas is the only fuel fired in the gas turbine.
- (b) The permittee shall conduct fuel sulfur content monitoring twice per year. The monitoring shall be conducted during the first and third quarters of each calendar year.
- (c) In conducting the fuel sulfur content analyses, the permittee shall use one of the methods specified in §60.335(d).
- (d) Should any sulfur analysis required in Paragraph 5.B.1(b) above indicate noncompliance with the fuel sulfur content limit of 0.8 percent by weight, the permittee shall begin complying with the fuel monitoring schedule found in Paragraph 5.B.2.
- (e) If there is a change in fuel supply, the permittee shall begin complying with the fuel monitoring schedule found in Paragraph 5.B.2. A substantial change in fuel quality shall be considered a change in fuel supply.  
(Re.: 40 CFR 60, Subpart GG; §60.334(h)(4))

5.B.2 For Emission Point AA-001, the following fuel sulfur content monitoring schedule must be implemented following discovery of noncompliance with the allowable fuel sulfur limit or following a change in fuel supply, pursuant to Paragraphs 5.B.1(d) & (e) above.

- (a) Should the permittee be required to monitor fuel sulfur content of the natural gas under this schedule, such monitoring shall initially be conducted weekly.
- (b) If after six months the monitoring required in paragraph 5.B.2 (a) does not reveal any noncompliance with the allowable fuel sulfur limit and the fuel supply does not change, the fuel sulfur content monitoring frequency may be changed to once per quarter.
- (c) If after six quarters the monitoring required in Paragraph 5.B.2 (b) does not reveal any noncompliance with the allowable fuel sulfur limit and the fuel supply does not change, the permittee may resume using the custom fuel monitoring schedule under Paragraph 5.B.1.  
(Ref.: 40 CFR 60, Subpart GG; §60.334(h)(4)) and EPA custom fuel monitoring approval letter dated October 14, 1997)

5.B.3 For Emission Point AA-001, the permittee shall monitor NO<sub>x</sub> and CO emissions by stack testing in accordance with EPA Reference Method 20 and Method 10 respectively, during the second calendar quarter of 2014, and biennially thereafter. The test methods and procedures given in 40 CFR 60.335 and 40 CFR 60, Appendix A shall be used in conducting the performance tests.  
(Ref.: Federally Enforceable Title V Operating Permit issued October 28, 1998)

5.B.4 For Emission Point AA-002, the permittee is limited to using only natural gas as fuel. For Emission Point AA-002, the permittee shall record and maintain records of the amount of natural gas combusted during each day.  
(Ref.: 40 CFR 60, Subpart Dc; §60.48c(g))

5.B.5 For Emission Points AA-002, AA-004, AA-005, AA-008, and AA-009, the permittee shall maintain records of the type, quantity, and quality (sulfur content and heating value) of fuels used. For each shipment of fuel oil, the permittee shall maintain fuel supplier certification of the percent sulfur by weight or parts per million, as applicable.  
(Ref.: Federally Enforceable Title V Operating Permit Issued October 28, 1998, and modified May 30, 2007)

5.B.6 For Emission Point AA-009, the permittee shall install a non-resettable hour meter prior to the start-up of the affected engines.

The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee shall record the time and reason that the engine is being operated.

(Ref.: 40 CFR 60, Subpart III; §60.4209(a), §60.4214(b))

5.B.7 For Emission Point AA-009, the permittee shall operate and maintain the engines according to the manufacturer's emission-related written instructions and change only those emission-related settings that are permitted by the manufacturer.  
(Ref.: 40 CFR 60, Subpart III; §60.4211(a))

5.B.8 For Emission Point AA-009, the permittee shall demonstrate compliance with Conditions 3.B.9 and 3.B.10 according to one of the methods specified in (1) through (5) below:

- (1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.
- (2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
- (3) Keeping records of engine manufacturer data indicating compliance with the standards.
- (4) Keeping records of control device vendor data indicating compliance with the standards.
- (5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

(Ref.: 40 CFR 60, Subpart III; §60.4211(b)(1-5))

C. Specific Reporting Requirements

Emission Point(s)	Pollutant/Parameter Monitored	Reporting Requirement	Condition Number	Applicable Requirement
AA-001	SO <sub>2</sub>	Submit semi-annual report of fuel sulfur content monitoring as measured in	5.C.1	Federally Enforceable Title V Operating Permit issued October 28, 1998

Emission Point(s)	Pollutant/Parameter Monitored	Reporting Requirement	Condition Number	Applicable Requirement
		accordance with Paragraphs 5.B.1 or 5.B.2 as appropriate.		
	NO <sub>x</sub> , CO	Submit written test protocol at least 30 days prior to the intended stack test date. Notify the MDEQ in writing at least 10 days prior to the scheduled test date to afford the opportunity to witness the test.	5.C.2	Federally Enforceable Title V Operating Permit issued October 28, 1998
		Submit stack test report results within 45 days of the actual test date.	5.C.3	Federally Enforceable Title V Operating Permit issued October 28, 1998
AA-002, AA-004, AA-005, AA-008, AA-009	Fuel Usage	Submit semi-annual fuel usage reports summarizing the type, quantity, and quality (sulfur content and heating value) of fuel used	5.C.4	Federally Enforceable Title V Operating Permit issued October 28, 1998 and modified May 30, 2007
AA-008, AA-009	Operational Hours	The permittee shall submit annual reports showing the hours of operation on a consecutive 12-month rolling basis. Each report is due by January 31 of each calendar year for the preceding 12-month period.	5.C.5	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).

- 5.C.1 For Emission Point AA-001, the permittee shall submit semi-annual reports to the DEQ summarizing the sulfur content monitoring required by Paragraphs 5.B.1 or 5.B.2 as appropriate. These semi-annual reports shall be submitted in accordance with paragraph 5.A.4.
- 5.C.2 For Emission Point AA-001, the permittee shall submit a written test protocol for the stack test required in Paragraph 5.B.3 at least thirty (30) days prior to the intended stack test date(s) to ensure that all test methods and procedures are acceptable to the DEQ. Also, the permittee shall notify the DEQ in writing at least ten (10) days prior to the intended test date(s) so that an observer may be afforded the opportunity to witness the test.
- 5.C.3 For Emission Point AA-001, the permittee shall submit a written test report of the results of the stack test required by Paragraph 5.B.3 within forty-five (45) days of the date the test is performed.
- 5.C.4 For Emission Points AA-002, AA-004, AA-005, AA-008, and AA-009, the permittee shall submit semi-annual fuel usage reports summarizing the type, quantity, and quality (sulfur content and heating value) of fuel used in accordance with paragraph 5.A.4.
- 5.C.5 For Emission Points AA-008 and AA-009, the permittee shall submit annual reports showing the hours of operation on a consecutive 12-month rolling basis. Each report is due by January 31 of each calendar year for the preceding 12-month period.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)



SECTION 6. ALTERNATIVE OPERATING SCENARIOS

## 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://ecfr.gpoaccess.gov> under Title 40, or DEQ shall provide a copy upon request from the permittee.

- 7.1 If the permittee produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.
- 7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.
- 7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:
- (a) All containers in which a class I or class II substance is stored or transported;
  - (b) All products containing a class I substance; and
  - (c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.
- 7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:
- (a) Servicing, maintaining, or repairing appliances;
  - (b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or
  - (c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II 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

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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.

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# APPENDIX A

## List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs/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
NEESHAP	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 <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound

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## APPENDIX B

### LIST OF REGULATIONS REFERENCED IN PERMIT

The full text of the regulations referenced in this permit may be found on-line at <http://www.deq.state.us.us> and <http://ecfr.gpoaccess.gov>, or the Mississippi Department of Environmental Quality (MDEQ) will provide a copy upon request. A list of regulations referenced in this permit is shown below:

40 CFR Part 60, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
40 CFR Part 60, Subpart GG	Standards of Performance for Stationary Gas Turbines
40 CFR Part 60, Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
40 CFR Part 63, Subpart A	General Provisions
40 CFR Part 63, Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
40 CFR Part 63, Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
40 CFR Part 80, Subpart I	Motor Vehicle Diesel Fuel; Nonroad, Locomotive, and Marine Diesel Fuel; and ECA Marine Fuel

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