

STATE OF MISSISSIPPI AIR POLLUTION CONTROL TITLE V PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

University Of Mississippi, The
700 Hathorn Rd
University, MS 38677-1848
Lafayette, 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 19, 2011

Permit Modified: JAN 20 2016

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires: August 16, 2016

Permit No.: 1420-00021

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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
 - (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.

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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 ordinance. 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-005	Campus-Wide Emergency Backup Power Generation
AA-006 through AA-015	Ten (10) Diesel Fuel-Fired Electric Power Generators equipped with oxidation catalyst (each rated at 18.63 MMBTU/hr)
AA-016 through AA-018	Three (3) 15,000 Gallon Diesel Fuel Above Ground Storage Tanks (near Electric Power Generators)
AA-021	Insignificant Activities –Facility-Wide Natural Gas-Fired Emissions Units (e.g., Boilers, Hot Water Heaters, Heaters, Dryers, etc.), which individually are considered insignificant activities. The combined rated capacity of all units is equal to 218.22 MMBTU/hr with no unit greater than 10 MMBTU/hr.
AA-022	Eight (8) Natural Gas-Fired Boilers (6.0 MMBtu/hr - each)

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-005	Federally Enforceable Emission Limit Established in Permit [Date]	3.B.3	Fuel Restrictions	≤ 0.05% sulfur content by weight.
	Federally Enforceable Emission Limit Established in Permit [Date]	3.B.4	Fuel Restriction	≤ 160,000 gallons fuel oil per 12-month period.
	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a)	3.B.5	PM/PM ₁₀	0.6 lbs/MMBTU
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.B.2	SO ₂	4.8 lbs/MMBTU
	40 CFR 63, Subpart ZZZZ (40 CFR 63.6580)	3.B.6	Applicability	N/A
	40 CFR 63, Subpart ZZZZ (40 CFR 63.6590(b)(3)(viii))	3.B.7	Existing RICE	No requirements for existing institutional emergency stationary RICE sources within constructed prior to June 12, 2006.
	40 CFR 63, Subpart ZZZZ (40 CFR 63.6590(c)(1))	3.B.8	New RICE	New stationary RICE (on or after June 12, 2006) are subject to the requirements of 40 CFR 60, Subpart IIII.
	40 CFR 60, Subpart IIII (40 CFR 60.4200)	3.B.9	Applicability	N/A
	40 CFR 60, Subpart IIII (40 CFR 60.4205(a)-(d))	3.B.10	PM, NO _x , CO, and/or NMHC	Emission limits for each pollutant varies depending on model year and displacement.
	40 CFR 60, Subpart IIII (40 CFR 60.4209(a)-(b))	3.B.11	Hour meter and Filter	Equip applicable engines with non-resettable hour meter. Also, install backpressure monitor if the engine is equipped with a diesel particulate filter to comply with the emission standards.
	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b)	3.B.1	PM/PM ₁₀	$E = 0.8808 * I^{0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.B.2	SO ₂	4.8 lbs/MMBTU
	PTO issued May 16, 2002 and Federally Enforceable Emission	3.B.12	Fuel Restriction	≤ 0.05% annual average sulfur content by weight ≤ 1,037,600 gallons per 12-month period.

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AA-006 through AA-015	Limit Established in Permit [Date]	3.B.13	Operation Restriction	≤ 8,800 hours of total operating time per 12-month period.
	40 CFR 72.7	3.B.14	New Unit Exemption	Acid Rain New Unit Exemption Requirements
	40 CFR 63, Subpart ZZZZ (40 CFR 63.6580)	3.B.6	Applicability	N/A
	40 CFR 63, Subpart ZZZZ (40 CFR 63.6590(a)(1)(iii))	3.B.15	Existing RICE	Stationary RICE located at area source and constructed before June 12, 2006.
	Federally Enforceable Requirement Established in Permit [Date]	3.B.16	CO	Operate with emissions routed to an oxidation catalyst
AA-006 through AA-015	40 CFR 63, Subpart ZZZZ (40 CFR 63.6603(a))	3.B.17	CO	23 ppmvd at 15% O ₂ or reduce emissions by ≥70%
Facility-Wide	PTO issued May 16, 2002 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(1)	3.B.18	Fuel Restriction	≤ 660 million standard cubic feet of natural gas per 12-month period.
		3.B.19	PM/PM ₁₀	≤ 249.0 tons per year per 12-month period.
			SO ₂	≤ 249.0 tons per year per 12-month period.
			NO _x	≤ 249.0 tons per year per 12-month period.
			CO	≤ 249.0 tons per year per 12-month period.
			VOC	≤ 249.0 tons per year per 12-month period.
AA-022	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a)	3.B.5	PM/PM ₁₀	0.6 lbs/MMBTU
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.B.2	SO ₂	4.8 lbs/MMBTU
	Federally Enforceable Limit Established in Permit [DATE]	3.B.3	Fuel Restrictions	≤ 0.05% sulfur content by weight.

3.B.1 For Emission Points AA-006 through AA-015, the maximum permissible emission of ash and/ particulate matter shall not exceed an emission rate as determined by the following 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-005 through AA-015 and AA-022, the maximum discharge of sulfur oxides from any fuel burning installation in which 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 For Emission Points AA-005 and AA-022, the permittee shall not burn any fuel that contains total sulfur in excess of 0.05 percent (0.05%) by weight. (Ref.: Federally enforceable limitation established in permit issued [DATE]).

- 3.B.4 For Emission Point AA-005, the permittee is limited to 160,000 gallons of fuel oil (e.g., diesel fuel) in any consecutive 12-month period. (Ref.: Federally enforceable limitation established in permit issued [DATE])
- 3.B.5 For Emission Points AA-005 and AA-022, the maximum permissible emission of ash and/or PM 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.B.6 For Emission Point AA-005 and AA-006 through AA-015, the permittee is considered an area source of hazardous air pollutants (HAP); therefore, the units are potentially subject to and shall comply with all applicable requirements of 40 CFR 63, Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. (Ref.: 40 CFR 63.6580)
- 3.B.7 For the existing institutional emergency stationary RICE sources within Emission Point AA-005 constructed prior to June 12, 2006, the RICE do not have to meet the requirements of this subpart (or 63 Subpart A), including the initial notification requirements. (Ref.: 40 CFR 63.6590(b)(3)(viii))
- 3.B.8 For new or reconstructed stationary RICE within Emission Point AA-005 located at an area source (constructed on or after June 12, 2006), the affected RICE shall meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII for compression ignition (CI) engines or JJJJ for spark ignition engines. No further requirements apply for such engines under Subpart ZZZZ. A list of generators, installation dates, and capacities are provided in Appendix B. (Ref.: 40 CFR 63.6590(c)(1))
- 3.B.9 For CI RICE within Emission Point AA-005 that are constructed after July 11, 2005, and manufactured after April 1, 2006, the units are subject to the provisions of 40 CFR 60, Subpart IIII. A list of generators, installation dates, and capacities are provided in Appendix B. (Ref.: 40 CFR 60.4200(a)(2))
- 3.B.10 For pre-2007 model year emergency stationary CI RICE within Emission Point AA-005 with a displacement of less than 10 liters per cylinder (that are not fire pump engines), the permittee shall comply with the emission standards in Table 1 of Subpart IIII.

For pre-2007 model year non-emergency stationary CI RICE within Emission Point AA-005 with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder (that are not fire pump engines), the permittee shall comply with the emission standards in 40 CFR 94.8(a)(1). (Ref.: 40 CFR 60.4205(a))

For 2007 or later model year emergency stationary CI RICE within AA-005 with a displacement of less than 30 liters per cylinder (that are not fire pump engines), the permittee shall comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202.

For fire pump engines within AA-005 with a displacement of less than 30 liters per cylinder, the permittee shall comply with the emission standards in Table 4 to Subpart IIII.

For emergency stationary CI RICE within AA-005 with a displacement of greater than or equal to 30 liters per cylinder, the permittee shall meet the following requirements:

- (a) Reduce NO_x emissions by 90% or more, or limit the emissions of NO_x in the stationary CI engine exhaust to 1.6 grams per KW-hour (1.2 grams per HP-hour).
- (b) Reduce PM emissions by 60% or more, or limit the emissions of PM in the stationary CI engine exhaust to 0.15 g/KW-hr (0.11 g/HP-hr).

(Ref.: 40 CFR 60.4205(a-d))

- 3.B.11 For CI RICE within AA-005 subject to 40 CFR 60, Subpart IIII, the permittee shall equip each unit with non-resettable hour meter. In addition, if the engine is equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the filter must be installed with a backpressure monitor that notifies the permittee when the high backpressure limit of the engine is approached. (Ref.: 40 CFR 60.4209 (a)-(b))
- 3.B.12 For Emission Points AA-006 through AA-015, the permittee is limited to 1,037,600 gallons of fuel oil (e.g., diesel fuel) in any consecutive 12-month period, and shall not burn any fuel that contains sulfur in excess of 0.05 percent (0.05%) by weight on an annual average basis. (Ref.: Federally-enforceable limitation established in PTO issued on May 16, 2002 and federally enforceable requirement established in permit issued [DATE])
- 3.B.13 For Emission Points AA-006 through AA-015, the permittee is limited to a combined 8,800 hours of operation in any consecutive 12-month period. (Ref.: Federally-enforceable limitation established in PTO issued on May 16, 2002 and 11 Miss. Admin. Code Pt. 2, R.6.3.A(1))
- 3.B.14 For Emission Points AA-006 through AA-015, the permittee shall meet the requirements of the acid rain exemption as outlined in 40 CFR 72.7 and all of the special provisions in Section 8 of this permit. (Ref.: 40 CFR 72.7)
- 3.B.15 For Emission Points AA-006 through AA-015, the stationary RICE, which are located at an area source of HAP emissions, are existing sources since constructed before June 12, 2006. (Ref.: 40 CFR 63.6590(a)(1)(iii))
- 3.B.16 For Emission Points AA-006 through AA-015, the diesel-fired electrical power generators shall only be operated with emissions routed to an oxidation catalyst. (Ref.: Federally enforceable requirement established in permit issued [DATE])
- 3.B.17 For Emission Points AA-006 through AA-015 (existing stationary RICE located at an area source), the permittee shall ensure compliance with the numerical emission limitations

established in Subpart ZZZZ is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to the subpart. The permittee shall comply with the requirements in Table 2d to the subpart and the operating limitations in Table 2b to the subpart. (Ref.: 40 CFR 63.6603(a))

For non-emergency, non-black start CI stationary RICE greater than 500 horsepower, the permittee shall either limit CO concentration in exhaust to 23 ppmvd at 15 percent oxygen (O₂) or reduce CO emissions by 70 percent or more. (Ref.: 40 CFR 63.6603(a), Table 2d)

- 3.B.18 The permittee (facility-wide) is limited to 660,000,000 standard cubic feet of natural gas in any consecutive 12-month period. (Ref.: Federally-enforceable limitation established in PTO issued on May 16, 2002 and 11 Miss. Admin. Code Pt. 2, R.6.3.A(1))
- 3.B.19 The permittee (facility-wide), in order to avoid Prevention of Significant Deterioration (PSD) major source status, is limited to 249.0 tons per year or less for each criteria pollutant (i.e., PM/PM₁₀, SO₂, CO, NO_x, and VOC) in any consecutive 12-month period. This limit is for facility-wide emissions and for each individual pollutant. (Ref.: Federally-enforceable limitation established in PTO issued on May 16, 2002 and upon issuance of TVOP)

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 ₂	4.8 lbs/MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.3. F(1)	3.C.3	PM	$E = 4.1p^{0.67}$, or as otherwise limited by facility modification restrictions

- 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).)
- 3.C.3 The permittee shall not cause, permit, or allow the emission of PM in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship $E = 4.1 p^{0.67}$, where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3. F(1))

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. Each compliance certification shall include the following:
- (a) the identification of each term or condition of the permit that is the basis of the certification;
 - (b) the compliance status;
 - (c) whether compliance was continuous or intermittent;
 - (d) the method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;
 - (e) such other facts as may be specified as pertinent in specific conditions elsewhere in this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), & (d).)
- 4.3 For Emission Points AA-006 through AA-015, the units are subject to and shall comply with all applicable requirements of the NESHAP for 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines by May 3, 2013. (Ref.: 40 CFR 63.6595(a)(1))

SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

- 5.A.1 The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.
- 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-005	Fuel Restrictions	Monitor, record, and maintain information demonstrating the fuel sulfur content and the gallons of fuel oil used on a monthly basis and 12-month rolling period.	5.B.1	PTO issued May 16, 2002 and 11 Miss. Admin. Code Pt. 2, R.6.3A(3)(a)(2)
	Generator/Engine Information	Identify and maintain a current record of generators (or engines) detailing specific information.	5.B.2	40 CFR 60, Subpart IIII and 63, Subpart ZZZZ
	New/Existing RICE	No requirements under 40 CFR 63 Subpart ZZZZ	5.B.3	40 CFR 63.6590(b)(3)(viii)
	Hour meter and Filter	For emergency stationary CI RICE within Emission Point AA-005 subject to 40 CFR 60 Subpart IIII, install a non-resettable hour meter prior to startup and backpressure monitor (if equipped with particulate filter).	5.B.4	40 CFR 63.4209
	Maintenance and Testing Certification	Operate in accordance with manufacturer's instructions. Maintain record of certified engine testing.	5.B.5	40 CFR 63.4211
	Operating Limits	Operate for the purpose of maintenance checks and readiness testing for up to 100 hours per year. No time limit applies to use in emergency situations. Maintain records of maintenance and use.	5.B.6	40 CFR 63.4211(e)
AA-006 through AA-015	Emission Limits and Operating Practices	Comply with applicable emission limitations and operating limitations of Subpart ZZZZ and operate and maintain affected units (and air pollution control and monitoring equipment) consistent with safety and good air pollution control practices for minimizing emissions.	5.B.7	40 CFR 63.6605
	CO and monitored parameters	Conduct an initial performance test, including recording operating parameters (if any), according to Tables 3, 4, and 5 of Subpart ZZZZ within 180 days after the compliance date (May 3, 2013) and according to the provisions in §63.7(a)(2). Perform subsequent performance test every 8,760 hours or three (3) years, whichever comes first.	5.B.8	40 CFR 63.6612, 63.6615, 63.6620
	Monitoring and Operating Restrictions	If required to install a CPMS, install, operate, and maintain the CPMS in accordance with 63.6625 (b)(1)-(5) and (g). Minimize idle time during startup to ≤ 30 minutes.	5.B.9	40 CFR 63.6625
AA-006 through AA-015	Compliance Demonstration	Demonstrate continuous compliance with each applicable emission limitation and operating limitation in Subpart ZZZZ Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d according to methods specified in Table 6.	5.B.10	40 CFR 63.6640
	Fuel and Operation Restrictions	Monitor, record, and maintain information demonstrating the fuel sulfur content, gallons of fuel oil used on a monthly basis and 12-month rolling period, and hours each unit operated on a monthly basis and 12-month rolling period.	5.B.11	PTO issued May 16, 2002 and 11 Miss. Admin. Code Pt. 2, R.6.3.A.(3)(a)(2)

Emission Point(s)	Pollutant/Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
	Opacity	Perform a visual observation of each unit after startup and daily thereafter when burning fuel oil. If visual emissions are observed, perform a VEE in accordance with EPA Ref. Method 9.	5.B.12	11 Miss. Admin. Code Pt. 2, R. 1.3.A. & B.
	NO _x and CO	Stack test one unit (once per permit period) within 18 months of the permit issuance date using appropriate EPA Reference Method(s).	5.B.13	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)
	Catalyst Operation	≤ 2 inches of pressure drop across the catalyst and maintain catalyst inlet temperature ≥ 450 °F and ≤ 1350 °F	5.B.14	Item 2 of Table 2b to 40 CFR 63 Subpart ZZZZ
	Fuel Restriction to Maintain New Unit Exemption	40 CFR 72.7 annual average sulfur content shall be calculated using the equation in (d)(2) of 40 CFR 72.7	5.B.15	Acid Rain Regulation 40 CFR 72.7(a)
AA-022	Fuel Restriction	Monitor, record, and maintain information demonstrating the gallons of fuel oil used on a monthly basis and 12-month rolling period.	5.B.16	11 Miss. Admin. Code Pt. 2, R.6.3.A.(3)(a)(2)
Facility-wide	Fuel Restriction	Monitor, record, and maintain natural gas used on a monthly basis and 12-month rolling period.	5.B.17	PTO issued May 16, 2002 and 11 Miss. Admin. Code, Pt. 2, R.6.3.A.(3)(a)(2)

5.B.1 For Emission Point AA-005, the permittee shall monitor, record, and maintain information demonstrating the fuel sulfur content and the gallons of fuel oil used on a monthly basis and over a 12-month rolling period. (Ref.: PTO issued May 16, 2002 and TVOP upon issuance)

5.B.2 For Emission Point AA-005, the permittee shall identify and maintain a current record of generators (or engines), which includes the make and model number, location, installation date, manufacturer date, horsepower rating, displacement (L/cylinder), type of use (e.g., emergency or fire pump). Based on information submitted by the permittee, all units in Emission Point AA-005 are considered emergency generators or fire pumps. This information shall also include whether the unit is equipped with a non-resettable hour meter and particulate filter with a backpressure monitor. (Ref.: 40 CFR 60, Subpart IIII and 40 CFR 60, Subpart ZZZZ)

5.B.3 For the existing institutional emergency stationary RICE sources within Emission Point AA-005 (constructed prior to June 12, 2006), the permittee is not required to meet the requirements of Subpart ZZZZ (or 63 Subpart A), including the initial notification requirements. (Ref.: 40 CFR 63.6590(b)(3)(viii))

For new or reconstructed stationary RICE within Emission Point AA-005 located at an area source (constructed on or after June 12, 2006), the affected RICE shall meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII for compression ignition (CI) engines or JJJJ for spark ignition engines. No further requirements apply for such engines under Subpart ZZZZ. (Ref.: 40 CFR 63.6590(c)(1))

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- 5.B.4 For emergency stationary CI RICE within Emission Point AA-005 subject to 40 CFR 60, Subpart IIII, the permittee must install a non-resettable hour meter prior to startup of the engine. In addition, if the affected unit is equipped with a diesel particulate filter to comply with the emission standards in §60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the permittee when the high backpressure limit of the engine is approached. (Ref.: 40 CFR 63.4209)
- 5.B.5 For emergency stationary CI RICE within Emission Point AA-005 subject to 40 CFR 60, Subpart IIII, the permittee must comply with the emission standards specified in the subpart and operate and maintain the affected unit according to the manufacturer's written instructions. The permittee shall only change those settings and parameters that are permitted by the manufacturer. In addition, the permittee must meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. (Ref.: 40 CFR 63.4211(a))

For emergency stationary CI RICE within Emission Point AA-005 subject to 40 CFR 60, Subpart IIII, the permittee must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's specifications. The permittee shall maintain a copy of the certified engine testing results. (Ref.: 40 CFR 63.4211(c))

- 5.B.6 For emergency stationary CI RICE within Emission Point AA-005 subject to 40 CFR 60, Subpart IIII, the permittee shall be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The permittee shall maintain a record of maintenance and use (hours of operation on a monthly and 12-month rolling total) for each affected unit.

There is no time limit on the use of emergency stationary RICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation and maintenance and testing, as permitted above, is prohibited. (Ref.: 40 CFR 63.4211(e))

- 5.B.7 For Emission Points AA-006 through AA-015, the permittee must be in compliance with the applicable emission limitations and operating limitations of Subpart ZZZZ at all times. In addition, the permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (Ref.: 40 CFR 63.6605)

- 5.B.8 For Emission Points AA-006 through AA-015 (existing stationary RICE located at an area 13427 PER20130001

source), the permittee shall conduct an initial performance test or other initial compliance demonstration, including recording appropriate operating parameters (if any), according to Tables 3, 4, and 5 of Subpart ZZZZ within 180 days after the compliance date (May 3, 2013) and according to the provisions in §63.7(a)(2). In addition, the permittee shall perform subsequent performance test every 8,760 hours or three (3) years as specified in Table 3 of Subpart ZZZZ, whichever comes first. (Ref.: 40 CFR 63.6612, 63.6615, 63.6620)

If the permittee plans to comply with the emission limitation(s) without use of controls (e.g., oxidation catalyst), the permittee must petition MDEQ for operating limitations to be established during the initial performance test and continuously monitored thereafter; or for approval of no operating limitations. The permittee must not conduct the initial performance test until after the petition has been approved. (Ref.: 40 CFR 63.6620(f))

- 5.B.9 For Emission Points AA-006 through AA-015, if the permittee is required to install a continuous parameter monitoring system (CPMS) as specified in Table 5, the permittee must install, operate, and maintain the CPMS in accordance with 63.6625 (b)(1) through (5). If the units are not equipped with a closed crankcase ventilation system, the permittee must comply with either 63.6625(g)(1) or (g)(2) and install a closed crankcase ventilation system or an open crankcase filtration system. The permittee must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters.

In addition, the permittee must minimize the time spent at idle during startup and minimize the startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Subpart ZZZZ, Tables 1a, 2a, 2c, and 2d apply. (Ref.: 40 CFR 63.6625)

- 5.B.10 Emission Points AA-006 through AA-015, the permittee must demonstrate continuous compliance with each applicable emission limitation and operating limitation in Subpart ZZZZ Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d according to methods specified in Table 6. (Ref.: 40 CFR 63.6640)
- 5.B.11 For Emission Points AA-006 through AA-015, the permittee shall monitor, record, and maintain information demonstrating the fuel sulfur content, the gallons of fuel oil used on a monthly basis and 12-month rolling period, and the hours each unit operated on a monthly basis and 12-month rolling period. (Ref.: PTO issued May 16, 2002 and TVOP upon issuance)
- 5.B.12 For Emission Points AA-006 through AA-015, the permittee shall perform a visual opacity observations on each unit after startup and daily thereafter when burning fuel oil. If visual emissions are observed, perform a visual emissions evaluation (VEE) in accordance with EPA Ref. Method 9.
- 5.B.13 For Emission Points AA-006 through AA-015, the permittee shall conduct performance testing once per permit period and conducted within eighteen (18) months of the permit

issuance date. At least one (1) unit from each group of units above shall be stack tested. A different unit shall be tested during each subsequent performance test. The units shall be tested for NO_x and CO emissions in accordance with the appropriate EPA Reference Methods (e.g., EPA Ref. Methods 7 and 10), or an otherwise approved equivalent method. The testing requirements can be waived if another regulation detailed in this permit requires testing (e.g., Subpart ZZZZ for CO), upon approval by MDEQ.

A test protocol shall be submitted at least thirty (30) days prior to the proposed test date to ensure that all test methods and procedures are acceptable to the MDEQ. A pre-test conference (if necessary) may be scheduled prior to the submittal of the test protocol. Also, the MDEQ must be notified at least ten (10) days prior to the scheduled test date so that an observer may be scheduled to witness the test(s). (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3))

5.B.14 For Emission Points AA-006 through AA-015, for purposes of demonstrating continuous compliance with emission limitations, the permittee shall:

- (a) Maintain each catalyst 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
- (b) Maintain the temperature of each RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1350 °F. (

(Ref.: 40 CFR 63, Subpart ZZZZ, Item 2 of Table 2b)

5.B.15 For Emission Point AA-006 through AA-015, the permittee shall monitor and record the information specified in 40 CFR 72.7 (d)(3). The annual average sulfur content, as a percentage by weight, shall be calculated using the equation in paragraph (d)(2) of 40 CFR 72.7. (Ref.: 40 CFR 72.7(d)(3))

5.B.16 For Emission Point AA-022, the permittee shall monitor, record and maintain the gallons of fuel oil used on a monthly basis and 12-month rolling period. (Ref.: 11 Miss. Admin. Code Pt. 2, R.6.3.A(3)(a)(2))

5.B.17 For the entire facility (facility-wide), the permittee shall monitor, record, and maintain the amount of natural gas used on a monthly basis and over a 12-month rolling period. (Ref.: PTO issued May 16, 2002 and TVOP upon issuance)

C. Specific Reporting Requirements

5.C.1 For non-emergency stationary CI ICE within Emission Point AA-005 that are greater than 2,237 KW (3,000 HP), or have a displacement of greater than or equal to 10 liters per cylinder, or are pre-2007 model year engines that are greater than 130 KW (175 HP) and not certified, the permittee must meet the following requirements:

- (a) Submit an initial notification as required in §60.7(a)(1). The notification must include:
 - (1) Name and address of the owner or operator;
 - (2) The address of the affected source;
 - (3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
 - (4) Emission control equipment; and
 - (5) Fuel used.
- (b) Keep the following records:
 - (1) All notifications submitted to comply with this subpart and all documentation supporting any notification.
 - (2) Maintenance conducted on the engine.
 - (3) If the stationary CI internal combustion is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards.
 - (4) If the stationary CI internal combustion is not a certified engine, documentation that the engine meets the emission standards.

(Ref.: 40 CFR 60.4214(a))

5.C.2 For Emission Point AA-005, the permittee shall record the time of operation of each engine and the reason the engine was in operation during that time. If equipped with a diesel particulate filter, the permittee shall keep records of any corrective action taken after the backpressure monitor has notified the permittee that the high backpressure limit of the engine is approached. These records shall be maintained on site and summary statement demonstrating compliance with this requirement shall be submitted as part of the Annual Certification of Compliance Report required by Section 4.2. (Ref.: 40 CFR 60.4214(b) and (c))

5.C.3 For Emission Points AA-006 through AA-015, the permittee shall prepare and submit an annual compliance certification report in accordance with Section 4.2 for the previous calendar year containing the following information:

- (a) Company name and address.
- (b) Statement by a responsible official, with 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 which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.
- (e) If there are no deviations from any emission or operating limitations, a statement that there were no deviations from the emission or operating limitations during the reporting period.
- (f) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in §63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

5.C.4 For Emission Points AA-006 through AA-015, the permittee shall submit all of the notifications in §63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply by the dates specified. This requirement does not apply to an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

If the unit requires a performance test, the permittee shall submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in §63.7(b)(1).

If the unit requires a performance test or other initial compliance demonstration as specified in 40 CFR 63, Subpart ZZZZ, Tables 4 and 5, the permittee shall submit a Notification of Compliance Status according to §63.9(h)(2)(ii).

For each initial compliance demonstration required in Subpart ZZZZ, Table 5 that does not include a performance test, the permittee shall submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration. For each initial compliance demonstration required in Table 5 that includes a performance test conducted according to the requirements in Table 3, the permittee shall submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to §63.10(d)(2).

(Ref.: 40 CFR 63.6645)

5.C.5 The permittee shall submit the following notifications, information, and reports for each required performance test:

- (a) A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so an observer may be afforded the opportunity to witness the test(s).
- (b) For all required testing, the permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the MDEQ.

After the first successful submittal of a written test protocol, the permittee may request that the submittal of a testing protocol be waived for subsequent testing by certifying in writing at least thirty (30) days prior to the subsequent testing that all conditions for testing remain unchanged such that the original protocol can and will be followed.

- (c) The permittee shall submit the results of all required emissions testing in the units specified by the limitations set forth in Section 3.B or the applicable regulation.
- (d) The permittee shall submit a summary of the results of any periodic and/or parametric monitoring required to be monitored and recorded by Condition 5.B during performance testing.
- (e) The performance test results must be submitted to MDEQ within sixty (60) days following completion of the performance test.

5.C.6 For each deviation from an emission or operating limitation that occurs for Emission Points AA-006 through AA-015, stationary RICE not using a CMS to comply with the emission or operating limitations, the the permittee shall prepare a compliance report containing:

- (a) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
- (b) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

5.C.7 For each deviation from an emission or operating limitation that occurs for Emission Points AA-006 through AA-015, stationary RICE using a CMS to comply with the emission or operating limitations, the permittee shall prepare a compliance report containing:

- (a) The date and time that each malfunction started and stopped.
- (b) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (c) The date, time, and duration that each CMS was out-of-control, including the information in §63.8(c)(8).

- (d) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
 - (e) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
 - (f) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
 - (g) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
 - (h) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
 - (i) A brief description of the stationary RICE.
 - (j) A brief description of the CMS.
 - (k) The date of the latest CMS certification or audit.
 - (l) A description of any changes in CMS, processes, or controls since the last reporting period.
- 5.C.8 The permittee must submit a semiannual report summarizing the monitoring and recordkeeping requirements established in Section 5.B in accordance with Condition 5.A.4 for each semiannual period.
- 5.C.9 The permittee must submit an Annual Certification of Compliance report in accordance with Condition 4.2 for each permit term or condition not otherwise addressed in this section.
- 5.C.10 For each deviation from an emission or operating limitation, the permittee shall report the occurrence in accordance with Condition 5.A.5.

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://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 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.

SECTION 8. ACID RAIN REGULATION - NEW UNIT EXEMPTION

To maintain the acid rain program new unit exemption the permittee must comply with the special provisions in the New Unit Exemption form in Appendix C of this permit.

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
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
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound

APPENDIX B

LIST OF REGULATIONS REFERENCED IN THIS 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:

Title 11, Part 2, Chapter 2: Mississippi Commission on Environmental Quality, Permit Regulations for the Construction and/or Operation of Air Emissions Equipment (Adopted May 8, 1970; Last Amended July 28, 2005)

Title 11, Part 2, Chapter 1: Mississippi Commission on Environmental Quality, Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants (Adopted May 8, 1970. Last Amended December 14, 2011)

Title 11, Part 2, Chapter 6: Mississippi Commission on Environmental Quality, Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act (Adopted October 27, 1993, Last Amended June 28, 2012)

40 CFR Part 82 - Title VI of the Clean Air Act (Stratospheric Ozone Protection)

40 CFR Part 60, Subpart A - Standards of Performance for New Stationary Source General Provisions Notification and Recordkeeping

40 CFR 60, Subpart IIII – Standards of Performance for Compression Ignition Internal Combustion Engines

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

Acid Rain Program Regulation, 40 CFR Parts 72.7

APPENIDIX C
ACID RAIN NEW UNIT EXEMPTION FORM



United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2012

New Unit Exemption

For more information, see instructions and refer to 40 CFR 72.7

This submission is: ~ New ~ Revised

STEP 1

Identify the new unit by plant name, State, Plant Code (ORISPL) and unit ID#.

Plant Name: University of Mississippi	State: MS	Plant Code	Unit ID#
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TOTAL

STEP 2

List the generator ID numbers and, to one decimal place, the nameplate capacity of each generator served by the unit. Then total nameplate capacity and enter the result.

GEN ID #1	GEN ID #2	GEN ID #3	GEN ID #4	GEN ID #5
2.0 MWe	2.0 MWe	2.0 MWe	2.0 MWe	2.0 MWe
GEN ID #6	GEN ID #7	GEN ID #8	GEN ID #9	GEN ID #10
2.0 MWe	2.0 MWe	2.0 MWe	2.0 MWe	2.0 MWe

20.0 MWe

STEP 3

List all fuels currently burned or expected to be burned, by the unit and the percent sulfur content by

Fuel (current)	Sulfur Content (current)	Fuel (expected)	Sulfur Content (expected)
Diesel Fuel (Distillate Fuel Oil No. 2)	0.05%	Diesel Fuel (Distillate Fuel Oil No. 2)	0.05%

STEP 4

Identify the first full calendar year in which the unit meets (or will meet) the requirements of 40 CFR 72.7(a).

January 1, 2013.

Special Provisions

STEP 5

Read the special provisions.

(1) The owners and operators and, to the extent applicable, the designated representative of a unit exempt under 40 CFR 72.7 shall (i) comply with the requirements of 40 CFR 72.7(a) for all periods for which the unit is exempt under 40 CFR 72.7 and (ii) comply with the requirements of the Acid Rain Program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(2) For any period for which a unit is exempt under 40 CFR 72.7, the unit is not an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71 and is not eligible to be an opt-in source under 40 CFR part 74. As an unaffected unit, the unit shall continue to be subject to any other applicable requirements under 40 CFR parts 70 and 71.

(3) For a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 72.7 shall retain at the source that includes the unit records demonstrating that the requirements of 40 CFR 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Administrator or the permitting authority. Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken. The owners and operators bear the burden of proof that the requirements of paragraph 40 CFR 72.7(a) are met.

(4) On the earliest of the following dates, a unit exempt under 40 CFR 72.7(b), (c), or (e) shall lose its exemption and become an affected unit under the Acid Rain Program and 40 CFR parts 70 and 71: (i) the date on which the unit first serves one or more generators with total nameplate capacity in excess of 25 MWe; (ii) the date on which the unit burns any coal or coal-derived fuel except for coal-derived gaseous fuel with a total sulfur content no greater than natural gas; or (iii) January 1 of the year following the year in which the annual average sulfur content for gaseous fuel burned at the unit exceeds 0.05 percent by weight (as

permit application on the later of January 1, 1998 or 60 days after the first date on which the unit is no longer exempt. For the purpose of applying monitoring requirements under 40 CFR part 75, a unit that loses its exemption under 40 CFR 72.7 shall be treated as a new unit that commenced commercial operation on the first date on which the unit is no longer exempt.

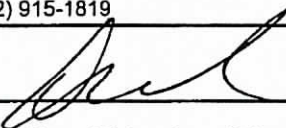
Certification (for designated representatives only) N/A**STEP 6**

Read the appropriate certification and sign and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Certification (for certifying officials only)

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name: Ashton Pearson	Title: Physical Plant Director
Company Owner Name: University of Mississippi	
Phone: (662) 915-1819	Email Address: ashton@olemiss.edu
Signature: 	Date: 10-8-13

Certification (for additional certifying officials, if applicable) N/A

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.