STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Mississippi State University
600 Russell Street
Mississippi State, Mississippi
Oktibbeha 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: June 2, 2020

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Krystal Rudolph

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires: May 31, 2025 **Permit No.: 2060-00038**

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SECTION 1. GENERAL CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1.14 Compliance with the conditions of this permit shall be deemed compliance with any

applicable requirements as of the date of permit issuance where such applicable requirements are included and are specifically identified in the permit or where the permit contains a determination, or summary thereof, by the Permit Board that requirements specifically identified previously are not applicable to the source.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(3) any change in emissions, and

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

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

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

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

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

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

(a) routine maintenance, repair, and replacement;

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

pursuant to the Federal Power Act;

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

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

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

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

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

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

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

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

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

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

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

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

Commission or Emergency Air Pollution Episode Alert imposed by the Executive Director and must meet the following buffer zones.

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

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

(c) Burning must not occur within 500 yards of commercial airport property, private 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, and shutdowns.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AA-000	Facility-wide
AA-005	13 MW (17,800hp) lean premix, natural gas/oil-fired turbine
AA-006	13 MW (17,800hp) lean premix, natural gas/oil-fired turbine
AA-007	1.0 MW (1,495hp) diesel fired, compression ignition, internal combustion engine generator used to provide power to start the turbines (AA-005 and AA-006)
AA-008	Campus-wide emergency engines including Stationary Spark and Compression Ignition Internal Combustion Engines of various makes and models used for campus-wide emergency backup power generation or fire protection (full list in Appendix D)
AA-009	287 kW (402hp) Natural gas-fired MAN Spark Ignition 4-stroke rich burn (4SRB) Reciprocating Internal Combustion Engine (2018/E3262 E302) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AB-002	Pathological Incinerator used as Veterinary School Animal Crematorium
AB-003	Multiple Chamber Pathological Incinerator used as Veterinary School Animal Crematorium
AA-010	Gasoline dispensing units

SECTION 3. EMISSION LIMITATIONS & STANDARDS

A. Facility-Wide Emission Limitations & Standards

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

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

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

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

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

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

B. Emission Point Specific Emission Limitations & Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AA-000	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.1	PM (filterable only)	≤ 0.6 lb/MMBTU
	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	3.B.2	PM	$E = 0.8808*(I)^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R.1.4.A(1).	3.B.3	SO_2	4.8 lbs/MMBTU as SO_2
AB-002 and AB-003	11 Miss. Admin. Code Pt. 2, R. 1.3.H(1)	3.B.4	PM	0.2 grains/dscf calculated to 12% CO_2 by volume
AA-005 and AA-006	Federally Enforceable Permit to Construct Issued April 22, 2004	3.B.5	PM/PM_{10} (filterable only)	0.042 lb/MMBTU while firing natural gas and 0.061 lb/MMBTU while firing fuel oil; Total from both turbines not to exceed 14.38 tons/year
			SO_2	0.056 lb/MMBTU while firing natural gas and 0.505 lb/MMBTU while firing fuel oil; Total from both turbines not to exceed 34.52 tons per year
	Federally Enforceable Permit to Construct Issued April 22, 2004 and 40 CFR 60.332(a)(2)		NO_x	STD=0.0150(14.4/Y)+F Not to Exceed: 0.103 lb/MMBTU while firing natural gas and 0.399 lb/MMBTU while firing fuel oil; Total from both turbines not to exceed 35.3 tons/year
	Federally Enforceable Permit to Construct Issued April 22, 2004	3.B.6	Fuel Restriction	Maximum amount of total fuel the permittee shall be allowed to fire through both turbines is based on the following equations: **Total Allowable Natural Gas = 685,000,000 – (550* Amount of Fuel Oil Fired)** Where: Total Allowable Natural Gas is measured in scf/year on a 12 consecutive month basis and limited to a maximum of 685,000,000 scf/year. Amount of Fuel Oil Fired is measured in gallons/year on a 12 consecutive month basis and limited to a maximum of 750,000 gallons/year.
	Federally Enforceable Permit to Construct Issued April 22, 2004	3.B.7	Operating Restriction	Only allowed on-site use of generated electricity

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
	Standards of Performance for Stationary Gas Turbines, 40CFR 60, Subpart GG, 40 CFR 60.332 and 40 CFR 60.333	3.B.8	NO_x and SO_2	Applicability
	Federally Enforceable Permit to Construct Issued April 22, 2004	3.B.9	Fuel Restriction	Natural Gas or No. 2 Fuel Oil only
	Federally Enforceable Permit to Construct Issued April 22, 2004	3.B.10	Fuel Sulfur Content	≤0.5 % sulfur by weight No. 2 Fuel Oil
	Federally Enforceable Permit to Construct Issued April 22, 2004 and 40 CFR 60.333(b)	3.B.11	Fuel Sulfur Content	≤0.8 % sulfur by weight Natural Gas
AA-007	Federally Enforceable Permit to Construct Issued April 22, 2004	3.B.9	Fuel Restriction	Natural Gas or No. 2 Fuel Oil only
		3.B.12	Total Fuel Usage	≤ 198 hours/yr operations or combust ≤ 14,000 gal/yr
		3.B.10	Fuel Sulfur Content	≤0.5 % sulfur by weight No. 2 Fuel Oil
AA-008	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ 40 CFR 63.6580; 63.6585(a), (c), and (f)(3); and 40CFR 63.6590(a)(1)(iii), (a)(2)(iii), and (c)(1)	3.B.13	HAP's	Applicability
	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII 40 CFR 60.4200(a)(2), 40 CFR 60.4205(a) and (b), 40 CFR 60.4206, 40 CFR 60.4211(a)(1)-(3) and Table 1 to 40 CFR Part 60, Subpart IIII	3.B.14	PM CO NO_x HC	Emission Standards
	40 CFR 62.4207(b) and 40 CFR 80.510(b)	3.B.15	Fuel Restriction	Sulfur content ≤ 15 ppm, and cetane index of 40 or aromatic content of 35 volume percent

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ 40 CFR 60.4230(a)(4)(iv), 40 CFR 60.4233(d) and (e), and 40 CFR 60.4234	3.B.16	CO NO_x VOC	Emission Standards
	40 CFR 60.4209(a) and (b)	3.B.17	Operating Requirement	Operational Requirement
	40 CFR 60.4211(f)(1)-(3), 40 CFR 60.4243(d)(1)-(3), and 40 CFR 63.6640(f)(1), (2), and (4)	3.B.18	Operating Requirements	Emergency Operational Requirements
AA-009	40 CFR 63.6585(a)&(c) and 40 CFR 63.6590(c)(1)	3.B.19	NOx, CO, and VOC	Applicability
	40 CFR Part 60.4233(e), 40 CFR 60.4234, and Table 1 to 40 CFR Part 60, Subpart JJJJ	3.B.20	NOx	1.0 g/hp-hr or 82 ppmvd at 15% O_2
			CO	2.0 g/hp-hr or 270 ppmvd at 15% O_2
			VOC	0.7 g/hp-hr or 60 ppmvd 15% O_2
AA-010	NESHAP for Gasoline Dispensing Facilities, 40 CFR 63, Subpart CCCCCC 40 CFR 63.11110, 40 CFR 63.11111(a) and (b), and 40 CFR 63.11112(a) and (d)	3.B.21	HAPs	Applicability
	40 CFR 63.11115(a) and 40 CFR 63.11116(a)	3.B.22	Operating Requirements	Operational Requirements

3.B.1 For facility-wide stationary combustion sources rated less than 10 MMBtu/hour located within Emission Point AA-000, the maximum permissible emission of ash and/or particulate matter (PM) shall not exceed 0.6 pounds per million BTU (MMBTU) per hour of heat input.

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

3.B.2 For facility-wide stationary combustion sources rated greater than or equal to 10 MMBtu/hour located within Emission Point AA-000, the maximum permissible emission of ash and/or PM 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 (MMBTU) per hour heat input and "I" is the heat input in MMBTU per hour.

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

3.B.3 For facility-wide stationary combustion sources located within Emission Point AA-000, 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.4 For Emission Points AB-002 and AB-003, the maximum permissible emission of ash and/or particulate matter shall not exceed 0.2 grains per dry standard cubic foot calculated to twelve percent (12%) carbon dioxide by volume.

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

3.B.5 For Emission Points AA-005 and AA-006, the permittee shall comply with the standard for nitrogen oxides as governed by the equation listed in 40 CFR 60.332(a)(2) and as follows:

STD = 0.0150 * (14.4)/Y + F

Where: STD = the allowable NOx emission limit (percent by volume at 15% oxygen and on a dry basis)

Y = Manufacturer's rated heat rate at manufacturer's rated load (kilojoules per watt hour) where Y shall not exceed 14.4 kilojoules per watt hour

F = NOx emission allowance for fuel-bound nitrogen as defined in 40 CFR 60.332(a)(3).

Additionally, the permittee shall not exceed the following limitations:

Emission Point(s)	Pollutant	Natural Gas Firing Limitation	Fuel Oil Firing Limitation	Total Amount of pollutants from both Turbines
AA-005 and AA-006	PM/PM_{10}	0.042 lb/ MMBTU	0.061 lb/MMBTU	14.38 tons per year
	SO_2	0.056 lb/MMBTU	0.505 lb/MMBTU	34.52 tons per year
	NO_x	0.103 lb/MMBTU	0.399 lb/MMBTU	35.3 tons per year

(Ref: 40 CFR 60.332(a)(2) and (3) and Permit to Construct issued April 22, 2004)

3.B.6 For Emission Points AA-005 and AA-006, the maximum amount of total fuel the permittee shall be allowed to fire through both turbines is based on the following equation:

Total Allowable Natural Gas = 685,000,000 – (550 * Amount of Fuel Oil Fired)

Where:

Total Allowable Natural Gas is measured in standard cubic feet per year (scf/yr) on a 12 consecutive month basis and limited to a maximum of 685,000,000 scf/yr, and

Total Amount of Fuel Oil Fired is measured in gallons per year on a 12 consecutive month basis and limited to a maximum of 750,000 gallons per year.

(Ref: Federally Enforceable Permit to Construct Issued April 22, 2004.)

3.B.7 For Emission Points AA-005 and AA-006, the permittee shall only use the electricity generated by these power-generating units for supplying the electrical power demands of the Mississippi State University campus. The selling of electricity to any power grid is prohibited.

(Ref.: Federally Enforceable Permit to Construct issued April, 22, 2004.)

3.B.8 For Emission Points AA-005 and AA-006, the permittee is subject to and shall comply with the applicable requirements of the Standards of Performance for Stationary Gas Turbines, 40 CFR 60, Subpart GG.

(Ref: 40 CFR 60.332 and 40 CFR 60.333)

3.B.9 For Emission Points AA-005 and AA-006, the permittee shall fire natural gas or No. 2 fuel oil only. For Emission Point AA-007, the permittee shall fire No. 2 fuel oil only.

(Ref.: Federally Enforceable Permit to Construct Issued April 22, 2004)

3.B.10 For Emission Points AA-005, AA-006, and AA-007, the permittee shall fire No. 2 fuel oil with a sulfur content of 0.5% by weight or less

(Ref.: Federally Enforceable Permit to Construct Issued April 22, 2004)

3.B.11 For Emission Points AA-005 and AA-006, the permittee shall comply with the standard for sulfur dioxide as specified in 40 CFR 60.333(b).

The permittee shall fire natural gas, which contains 0.8 percent sulfur by weight or less.

40 CFR 60.333(b) states that no owner or operator shall burn any fuel that contains sulfur in excess of 0.8 percent by weight. In order to limit SO_2 emission rates, the permittee has requested a maximum No. 2 fuel oil sulfur content of 0.5% by weight. Therefore, the permittee shall fire No. 2 fuel oil, which contains 0.5% sulfur by weight or less.

(Ref.: Federally Enforceable Permit to Construct Issued April 22, 2004 and 40 CFR 60.333(b))

3.B.12 For Emission Point AA-007, the For Emission Point AA-007, the permittee shall operate less than 198 hours per year or fire 14,000 gallons or less of No. 2 fuel oil per year on a consecutive 12- month rolling basis.

(Ref: Federally Enforceable Permit to Construct Issued April 22, 2004; Title V Operating Permit issued July 16, 2009)

3.B.13 The engines listed under Emission Point AA-008 are subject to and shall comply with the applicable requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ.

The engines in Appendix D that were built prior to June 12, 2006, are considered existing institutional emergency stationary engines for which there are currently no requirements under 40 CFR Part 63, Subpart ZZZZ except for those provisions for emergency stationary RICE found in 40 CFR 63.6640(f).

The engines in Appendix D that are portable engines are not subject to Subpart ZZZZ because they are portable engines that do not meet the definition of a stationary engine under Subpart ZZZZ.

The engines in Appendix D that are considered new compression ignition (CI) or new spark ignition (SI) engines comply with 40 CFR 63, Subpart ZZZZ, by complying with the applicable requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII, and the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ.

(Ref.: 40 CFR 63.6580; 63.6585(a), (c), and (f)(3); and 63.6590(a)(1)(iii), (a)(2)(iii), and (c)(1))

3.B.14 For the CI engines under Emission Point AA-008 subject to the requirements of Subpart IIII, the pre-2007 model year emergency engines shall comply with the emission standards in Table 1 of Subpart IIII. The engines that are 2007 model year and later must meet the applicable emission standards from 40 CFR 60.4202(a)(1) and (2) that apply to the model year and maximum engine power of each engine. The permittee shall operate and maintain these engines such that they meet these standards over the entire life of the engines.

The permittee shall operate and maintain each engine according to the manufacturer's emission related instructions, change only those emission related settings that are permitted by the manufacturer and meet the applicable requirements of 40 CFR parts 89, 94, and/or 1068.

(Ref.: 40 CFR 60.4200(a)(2), 60.4205(a) and (b), 60.4206, 60.4211(a)(1)-(3) and Table 1 to 40 CFR Part 60, Subpart IIII)

3.B.15 For the CI engines under Emission Point AA-008, the permittee shall use diesel fuel with a sulfur content ≤ 15 ppm and either a cetane index of 40 or an aromatic content of 35 volume percent.

(Ref.: 40 CFR 60.4207(b) and 40 CFR 80.510(b))

3.B.16 For the SI engines under Emission Point AA-008 subject to the requirements of Subpart JJJJ, the emergency engines shall comply with the applicable emission standards for the appropriate maximum engine power listed in Table 1 of Subpart JJJJ. The permittee shall operate and maintain these engines such that they meet these standards over the entire life of the engine.

(Ref.: 40 CFR 60.4230(a)(4)(iv), 60.4233(d) and (e) and 60.4234)

3.B.17 For emergency stationary CI RICE located within Emission Point AA-008 and subject to 40 CFR 60, Subpart IIII, the permittee shall install a non-resettable hour meter on each engine prior to startup and backpressure monitoring if the engine is equipped with a diesel particulate filter.

(Ref.: 40 CFR 60.4209(a) and (b))

3.B.18 The CI and SI engines under Emission Point AA-008 are considered emergency engines under the applicable NESHAP (Subpart ZZZZ) and NSPS (Subparts IIII and JJJJ) regulations. In order for these engines to be considered emergency engines under Subparts IIII, JJJJ, and ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year as described in (c) below, is prohibited. If the permittee does not operate the engines according to the requirements in (a) through (c) below, the engines will not be considered emergency engines under these Subparts and must meet the applicable requirements for

non-emergency engines.

(a) There is no time limit on the use of each emergency engine in emergency situations.

(b) Each engine may be operated 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 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 engine beyond 100 hours per calendar year.

(c) Each 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.

(Ref.: 40 CFR 60.4211(f)(1)-(3), 60.4243(d)(1)-(3), and 63.6640(f)(1),(2), and (4))

3.B.19 Emission Point AA-009 is a stationary natural gas-fired four stroke, rich burn (4SRB) spark ignition non-emergency reciprocating internal combustion engine (RICE) located at an area source of HAP emissions. The engine is subject to and shall comply with all applicable requirements of 40 CFR Part 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines by complying with the applicable requirements of 40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

(Ref.: 40 CFR 63.6585(a) and (c), 63.6590(c)(1), and 60.4230(a)(4)(iii))

3.B.20 For Emission Point AA-009, the permittee shall limit nitrogen oxides (NOx) emissions to no more than 1.0 grams per horsepower-hour (g/HP-hr) or 82 parts per million by volume on a dry basis (ppmvd) at 15 percent O2, carbon monoxide (CO) emissions to no more than 2.0 grams per horsepower-hour (g/HP-hr) or 270 parts per million by volume on a dry basis (ppmvd) at 15 percent O2, and volatile organic compounds (excluding formaldehyde) (VOC) emissions to no more than 0.7 grams per horsepower-hour (g/HP-hr) or 60 parts per million by volume on a dry basis (ppmvd) at 15 percent O2. The permittee shall achieve these emission standards for the entire life of the effected engine.

(Ref.: 40 CFR 60.4233(e), 40 CFR 60.4234 and Table 1 to Subpart JJJJ)

3.B.21 Emission Point AA-010 is subject to and shall comply with all applicable requirements found in the National Emissions Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (GDF), 40 CFR 63, Subpart CCCCCC.

(Ref.: 40 CFR 63.11110, 40 CFR 63.11111(a)&(b), and 40 CFR 63.11112(a)&(d))

3.B.22 For Emission Point AA-010, the permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Preventative measures to be taken include, but are not limited to:

(a) Minimize gasoline spills;

(b) Clean up spills as expeditiously as practicable;

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

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

The permittee shall, at all times, operate and maintain all affected sources, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the 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 60.11115(a), 40 CFR 60.11116(a))

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

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).)

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

D. Work Practice Standards

None.

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).)

SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

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

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

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

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

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

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

(d) the analytical techniques or methods used;

(e) the results of such analyses; and

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

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

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

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

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

(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.

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

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

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

B. Specific Monitoring and Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Monitoring / Recordkeeping Requirement
AA-000	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.1	Fuel	Monitoring and recordkeeping requirements
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.2	Fuel	Monitoring and recordkeeping requirements
AB-002 and AB-003	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3). ; 11 Miss. Admin. Code Pt. 2, R. 1.12.A(2).	5.B.3	Pathological Waste	Monitoring and recordkeeping requirements
AA-005 and AA-006	40 CFR 60.7(b)	5.B.4	Startups, Shutdowns, and Malfunctions	Monitoring and recordkeeping requirements
	Federally Enforceable Permit to Construct Issued April 22, 2004 and Modified May 2, 2005; Title V Permit to Operate Minor Modification Issued May 2, 2005	5.B.5	Fuel	Monitoring and recordkeeping requirements
	Federally Enforceable Permit to Construct issued April 22, 2004	5.B.6	Fuel	Recordkeeping
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.7	NOx	Stack Testing
AA-005, AA-006, and AA-007	40 CFR 60.334(h)(1) and Federally Enforceable Permit to Construct issued April 22, 2004	5.B.8	Fuel	Monitoring and recordkeeping requirements
AA-007	Federally Enforceable Permit to Construct issued April 22, 2004	5.B.9	Fuel or Operations	Monitoring and recordkeeping requirements
AA-008	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.10	Engines	Monitoring and recordkeeping requirements
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).; 60.4214(b); 60.4245(b); & 63.6655(f)	5.B.11	Emergency Operations	Monitoring and recordkeeping requirements
	60.4211(b)(1), and (c) 60.4243(b)(1); 60.4245(a)(3)	5.B.12	Engine Certifications	Recordkeeping requirements

AA-009	40 CFR Part 60, Subpart JJJJ 60.4243(b)	5.B.13	Maintenance	Monitoring and recordkeeping requirements
	40 CFR 60.334(h)(3)(i))	5.B.14	CO, NO_x, and VOC	Initial performance stack test requirement
	40 CFR Part 60, Subpart JJJJ and 60.4245(a)	5.B.15	Records	Recordkeeping requirements
	40 CFR Part 60, Subpart JJJJ 40 CFR 60.4243(g)	5.B.16	Operating Restriction	Operational requirement
AA-010	40 CFR 63.11116(b)	5.B.17	Records	Monitoring and recordkeeping requirements

5.B.1 For facility-wide stationary combustion sources located within Emission Point AA-000, the permittee shall record and maintain records of the volume of each fuel used (in gallons) both monthly and on a 12-month rolling basis. This information shall also include documentation that denotes the sulfur content of the utilized fuel oil.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).; Title V Operating Permit issued on July 16, 2009)

5.B.2 For facility-wide stationary combustion sources located within Emission Point AA-000, the permittee shall record and maintain information demonstrating the total volume of natural gas used (in million standard cubic feet – MMscf) both monthly and on a rolling 12-month basis.

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

5.B.3 For Emission Points AB-002 and AB-003, the permittee shall keep records on a calendar quarter basis of the periods of time when only pathological waste, low-level radioactive waste, and/or chemotherapeutic waste is burned.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).; Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.12.A(2).)

5.B.4 For Emission Points AA-005 and AA-006, the permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in its operation.

(Ref.: 40 CFR 60.7(b))

5.B.5 For Emission Points AA-005 and AA-006, the permittee shall not be required to monitor the total sulfur content of the gaseous fuel combusted in the turbines if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u). The permittee shall use the following source of information to make the required demonstration: The

gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100scf or less.

(Ref.: 40 CFR 60.334(h)(3)(i))

5.B.6 For Emission Points AA-005 and AA-006, the permittee shall keep the following records:

(a) The monthly fuel usage for each unit,

(b) The allowable amount of natural gas and allowable amount of fuel oil fired based on the allowable fuel equation, and

(c) Documentation of compliance with the 12 consecutive month total fuel usage restriction.

(Ref.: Federally Enforceable Permit to Construct issued April 22, 2004)

5.B.7 For Emission Points AA-005 and AA-006, while firing natural gas, the permittee shall demonstrate compliance with the nitrogen oxides (NOx) emission limitations (for natural gas usage) by stack testing in accordance with EPA Reference Method 20, or an approved equivalent, once every five years. Each turbine shall be operated during the test within 90% of the maximum rated capacity. A test protocol shall be submitted at least thirty (30) days prior to the proposed test date to insure that all test methods and procedures are acceptable. Also, 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.8 For Emission Points AA-005, AA-006 and AA-007, the permittee shall maintain a record of the percent sulfur weight content of the No.2 fuel oil in accordance with the requirements of 40 CFR 60, Subpart GG, 60.334 – Monitoring of Operations.

This record should document compliance with the maximum permitted value of 0.5% sulfur content by weight.

(Ref.: 40 CFR 60.334(h)(1) and Federally Enforceable Permit to Construct issued April 22, 2004)

5.B.9 For Emission Point AA-007, the permittee shall keep records of the monthly fuel usage and document compliance with the 12 consecutive month total fuel usage restriction.

Alternatively, for Emission Point AA-007, the permittee may keep records of the monthly

hours of operation and document compliance with the 12 consecutive month hours of operation restriction in lieu of the fuel usage limitation.

(Ref.: Federally Enforceable Permit to Construct issued April 22, 2004; Title V Operating Permit issued July 16, 2009)

5.B.10 For Emission Point AA-008, the permittee shall identify and maintain an up-to-date listing of internal combustion engines that includes the make and model number, location, installation date, manufacturer date, horsepower rating, displacement (L/cylinder), and type of use (e.g. emergency or fire pump). Based on the information submitted by the permittee, all units listed in Emission Point AA-008 are considered emergency generators engines or fire pump engines. This information shall also include whether each unit is equipped with a non-resettable hour meter or a particulate filter with a backpressure monitor.

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

5.B.11 For Emission Point AA-008, the permittee shall keep records documenting the hours of operation recorded through the non-resettable hour meter for each engine. These records must identify how many hours are spent in emergency operation, including what classified the operation as an emergency, and how many hours are spent in non-emergency operation and the type of non-emergency operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)., 40 CFR 60.4214(b), 40 CFR 60.4245(b), and 40 CFR 63.6655(f))

5.B.12 For the engines within Emission Point AA-008 subject to emission standards under Subpart IIII, the permittee shall demonstrate compliance with the emission standards by purchasing engines certified according to 40 CFR part 89 or 94, as applicable, for the same model year and maximum engine power. The engines must be installed and configured according to the manufacturer's specifications.

For the engines within Emission Point AA-008 subject to emission standards under Subpart JJJJ, the permittee shall demonstrate compliance with the emission standards by purchasing engines certified according to Subpart JJJJ for the same model year, operating and maintaining the engines according to the manufacturer's emission-related written instructions, and keeping records of any conducted maintenance.

The permittee shall maintain a copy of the manufacturer's documentation certifying that the engines meet the applicable Subpart IIII and JJJJ emission standards.

(Ref.: 40 CFR 60.4211(b)(1) and (c), 60.4243(b)(1), and 60.4245(a)(2) and (3))

5.B.13 For Emission Point AA-009, the permittee shall demonstrate compliance with the nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC)

emission limitations by stack testing in accordance with 40 CFR 60.4243(b)(2)(i) and the applicable requirements of 40 CFR 60.4244 and submittal of a stack test report within 60-days of completion of the stack test.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).; Federally Enforceable Permit to Construct issued March 1, 2019)

5.B.14 For Emission Point AA-009, the permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test to demonstrate compliance.

(Ref.: 40 CFR 60.4243(b)(2)(i))

5.B.15 For Emission Point AA-009, the permittee shall maintain the records specified in paragraphs (a) through (d) below:

(a) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(b) Maintenance conducted on the engine.

(c) Documentation that the engine meets the emission standards through the compliance demonstration outlined in Condition 5.B.15.

(Ref.: 40 CFR 60.4245(a))

5.B.16 For Emission Point AA-009, the permittee shall use an air to fuel ratio (AFR) controller with operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

(Ref.: 40 CFR 60.4243(g))

5.B.17 For Emission Point AA-010, the permittee shall keep records documenting the monthly gasoline throughput.

(Ref.: 40 CFR 63.11116(b))

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Reporting Requirement
AA-005, AA-006, and AA-007	Federally Enforceable Permit to Construct Issued April 22, 2004, 11 Miss. Admin. Code Pt.2, R.6.3.A(3)(c)	5.C.1	Fuel	Submit semiannual reports
AA-005 and AA-006	40 CFR 60.7(a)(4)	5.C.2	Operational changes	Submit notifications
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.C.3	NOx	Stack Test Reporting
AA-008	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.C.4	Operations	Submit semiannual reports
AA-009	40 CFR Part 60, Subpart JJJJ (60.4245(d))	5.C.5	NO_x, CO, and VOC	Submit stack test reports
AA-010	40 CFR 63.11111(e) and 63.11116(b)	5.C.6	Gasoline Throughput	Submit semiannual reports

5.C.1 For Emission Points AA-005, AA-006, and AA-007, the permittee shall submit to MDEQ, in accordance with Condition 5.A.4, a semi-annual report. This report shall include the following:

(a) A copy of the fuel usage records for the last 12 consecutive month period, as required by Conditions 5.B.6 and 5.B.9 of this permit.

(b) The information required by Condition 5.B.8 to document the sulfur weight content for each shipment of No. 2 fuel oil received during the reporting period.

(Ref.: Federally Enforceable Permit to Construct Issued April 22, 2004, 11 Miss. Admin. Code Pt. 2, R.6.3.A(3)(c))

5.C.2 For Emission Points AA-005 and AA-006, the permittee shall submit a notification of any physical or operational change to the existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after

the change, and the expected completion date of the change.

(Ref.: 40 CFR 60.7(a)(4))

5.C.3 For Emission Points AA-005 and AA-006, the permittee shall submit a stack test report within sixty (60) days of the actual stack test date of each turbine.

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

5.C.4 For Emission Point AA-008, the permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that summarizes the hours of operation for each engine monthly. The operating hours for each engine should be categorized according to the type of operation for each hour (i.e. emergency, types of non-emergency, etc.).

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

5.C.5 For Emission Point AA-009, the permittee shall submit a copy of each performance test conducted in accordance with 40 CFR 60.4244 within sixty (60) days after the test has been completed. Performance test reports using EPA Method 18, EPA Method 320, or ASTM D6348-03 (incorporated by reference—see 40 CFR 60.17) to measure VOC require reporting of all QA/QC data. For Method 18, report results from sections 8.4 and 11.1.1.4; for Method 320, report results from sections 8.6.2, 9.0, and 13.0; and for ASTM D6348-03 report results of all QA/QC procedures in Annexes 1-7.

The permittee shall submit a test protocol at least thirty (30) days prior to the scheduled test date to ensure that all test methods and procedures are acceptable to the DEQ. The DEQ 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.: 40 CFR 60.4245(d) and 11 Miss. Admin. Code, Pt. 2, R. 6.3.A(3).)

5.C.6 For Emission Point AA-010, the permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that outlines the monthly gasoline throughput totals.

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

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

6.1 None permitted.

SECTION 7. TITLE VI REQUIREMENTS

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

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

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

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

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

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

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

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

(a) Servicing, maintaining, or repairing appliances;

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

(c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, as

well as persons selling, offering for sale, and/or purchasing class I, class II, or non-exempt substitute refrigerants.

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

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

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

(b) Any person disposing of halons;

(c) Manufacturers of halon blends; or

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

APPENDIX A

List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air 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 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:

11 Miss. Admin. Code Pt. 2, Ch. 1, Mississippi Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants (Amended December 14, 2011)

11 Miss. Admin. Code Pt. 2, Ch. 6, Mississippi Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Air Emissions Operating Permit Regulations for the Purpose of Title V of the Federal Clean Air Act (Amended December 14, 2011)

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

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

40 CFR 60, Subpart GG – Standards of Performance for Stationary Gas Turbines

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

40 CFR 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

40 CFR 63, Subpart CCCCCC – NESHAP for Gasoline Dispensing Facilities

40 CFR 72, Subpart A – Acid Rain Program General Provisions

APPENDIX C

New Unit Exemption Forms

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2018

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	State	Plant Code	Unit ID#

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 #	GEN ID #	GEN ID #	GEN ID #	GEN ID #
MWe	MWe	MWe	MWe	MWe

TOTAL

MWe

STEP 3
List all fuels currently burned or expected to be burned, by the unit and the percent sulfur content by weight of each.

Fuel (current)	Sulfur Content (current)	Fuel (expected)	Sulfur Content (expected)
	%		%
	%		%

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,_____.

STEP 5
Read the special provisions.

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 determined under 40 CFR 72.7(d)) or for nongaseous fuel burned at the unit exceeds 0.05 percent by weight (as determined under 40 CFR 72.7(d)). Notwithstanding 40 CFR 72.30(b) and (c), the designated representative for a unit that loses its exemption under 40 CFR 72.7 shall submit a complete Acid Rain 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.

STEP 6
Read the appropriate certification and sign and date.

Certification (for designated representatives only)

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.

Name	
Signature	Date

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	Title		
Company Owner Name			
Mailing Address	City	State	Zip Code
Phone	Email Address		
Signature	Date		

Certification (for additional certifying officials, if applicable)

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	Title		
Company Owner Name			
Mailing Address	City	State	Zip Code
Phone	Email Address		
Signature	Date		

Acid Rain Program
Instructions for
New Unit Exemption Notice (40 CFR 72.7)

The Acid Rain Program regulations provide that any new, affected utility unit that serves generators with total nameplate capacity not greater than 25 MWe and where fuel burned each year has an annual average sulfur content of 0.05 percent or less is exempted from the requirements to obtain an Acid Rain permit, monitor emissions, and hold allowances. The designated representative or certifying official(s) of such a unit must submit the New Unit Exemption notice. The provisions governing the new unit exemption are found at 40 CFR 72.7.

Please type or print. If you have questions regarding the exemption notice contact your local, State, or EPA Regional Acid Rain contact, or contact Robert Miller, U.S. EPA Clean Air Markets Division, at miller.robertl@epa.gov or (202) 343-9077, or call EPA's Acid Rain Hotline at (202) 343-9620.

STEP 1 Use the plant name and plant code (ORISPL) listed on the Certificate of Representation (if any) for the affected unit. A plant code is a 4 or 5 digit number assigned by the Energy Information Agency (EIA) of the U.S. Department of Energy to power plants. If a plant code has not been assigned to the facility in question, put "NA" in the "Plant Code" box.

Identify the new unit by providing the appropriate unit identification number, consistent with the unit identification number entered for the Certificate of Representation (if any) and with unit identification numbers used in reporting to EIA and/or DOE. For new units without identification numbers, owners and operators may assign such numbers consistent with EIA and DOE requirements.

STEP 2 Identify the generators served by the unit by providing the appropriate generator identification numbers, consistent with the generator identification numbers entered for the Certificate of Representation (if any) and with the generator identification numbers used in reporting to EIA and/or DOE. For generators without identification numbers, owners and operators may assign such numbers consistent with EIA and DOE requirements.

Nameplate capacity is defined at 40 CFR 72.2 as the maximum electrical generating output (in MWe) that a generator can sustain over a specified period of time when not restricted by seasonal or other deratings, as listed in NADB (the National Allowance Data Base for the Acid Rain Program) or, if not in NADB, as measured in accordance with the U.S. Department of Energy standards. To qualify for the exemption from the requirements of the Acid Rain Program, the total nameplate capacity entered at Step 2 must be 25 MWe or less.

STEP 3 To qualify for and maintain exempt status, the fuels consumed at the unit must have an annual average sulfur content of 0.05 percent or less by weight for each year for which the exemption is to be in effect, as determined using the test methods specified in 40 CFR 72.7(d). This requirement is applied separately for gaseous and non-gaseous fuels. If the unit's only current or expected gaseous fuel is natural gas, enter "# 0.05%" in the appropriate "Sulfur Content" portion of the form for the natural gas. If other gaseous fuels in addition to natural gas are or are expected to be consumed at the unit, the actual sulfur content of the natural gas and the other gaseous fuels must be entered. The unit cannot burn coal or coal-derived fuel (except gaseous fuel with total sulfur content no greater than natural gas).

STEP 4 Enter the first full calendar year in which the unit meets the requirements of 40 CFR 72.7(a) (described generally in STEP 3 of these instructions) and, if the unit is allocated allowances, the allowance and proceeds surrender requirements of 40 CFR 72.7(c).

STEP 5 If the source where the unit is located has units that are subject to the Acid Rain Program, the unit for which the exemption is being submitted must be included on the Certificate of Representation for the source, which must be received by U.S. EPA before the exemption notice is submitted. The designated representative or alternate designated representative must read, sign, and date the certification at STEP 6 labeled "for designated representatives only."

If the source where the unit is located has no units that are subject to the Acid Rain Program and consequently has no designated representative, a certifying official for each owner of the unit must read the certification at STEP 6 labeled "for certifying officials only," enter his or her name, title, name of the ownership company for which he or she is the certifying official, mailing address, phone number, email address, and then sign and date. A certifying official is not required to submit a Certificate of Representation. If there is more than one owner of a new unit for which no designated representative has been authorized, each owner of the unit must have a certifying official sign the appropriate certification at STEP 6.

Submission Deadlines

The form must be submitted by December 31 of the first year for which the unit is to be exempt.

Submission Instructions

Submit the original New Unit Exemption notice to the title V permitting authority for the facility, and a copy to U.S. EPA:

For regular/certified mail:

U.S. Environmental Protection Agency
1200 Pennsylvania Ave., NW
Mail Code 6204M
Attention: New Unit Exemption
Washington, DC 20460

For overnight mail:

U.S. Environmental Protection Agency
1201 Constitution Ave., NW
7th Floor, Room # 7421M
Attention: New Unit Exemption
Washington DC, 20004
(202) 343-9191

Paperwork Burden Estimate

The burden on the public for collecting and reporting of information under the Acid Rain Program is estimated to be 10 hours per response. Send comments regarding this collection of information, including suggestions for reducing the burden, to: Chief, Information Policy Branch (PM-223), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW, Washington, D.C. 20460; and to: Paperwork Reduction Project (OMB#2060-0258), Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. ***Do not submit forms to these addresses; see the submission instructions above.***

APPENDIX D

List of Emergency and Non Emergency Engines

Engine Location	Engine Make	Engine Model	Engine Capacity (HP)	Generator Capacity (kW)	CI/SI	Manufacture Date	Installation Date	Displacement (L/cylinder)	Equipped with a particulate filter with a backpressure monitor?	Equipped with a non-resettable hour meter?	Subject to Subpart ZZZZ (YES or NO)	Subject to Subpart IIII (YES or NO)
Agricenter	Caterpillar	Data Not Recorded	134	100	CI	pre-1997	1997	<10	No	Yes	No	No
Allen Hall ITS	Cummins	nt855G5	600	400	CI	pre-2003	2003	<10	No	Yes	No	No
Arc Well 1	Caterpillar	3306	300	200	CI	pre-2006	pre-2006	<10	No	Yes	No	No
Arc Well 2	Caterpillar	3306	300	200	CI	pre-2006	pre-2006	<10	No	Yes	No	No
Bost Bldg B	Perkins	PJ38418	201	150	CI	pre-2007	2007	<10	No	Yes	Yes	Yes
North (Nunnley) Hall	John Deere	4045HF275	134	100	CI	2006.00	2006	<10	No	Yes	No	No
Butler Hall ITS	Kubota	D1703MBGET01	20	15	CI	pre-2008	2008	<10	No	Yes	Yes	Yes
Butler Williams	Volvo	TAD940GE	335	250	CI	pre-2005	2005	<10	No	Yes	No	No
CAVS	Volvo	D25096A60	322	240	CI	pre-2003	2003	<10	No	Yes	No	No
Dairy Barn	Caterpillar	3106	335	250	CI	pre-2006	pre-2006	<10	No	Yes	No	No
Davis Wade East	Detroit	6063TK35	550	350	CI	pre-2006	pre-2006	<10	No	Yes	No	No
Davis Wade West	Caterpillar	C27	1215	750	CI	2013	2013	<10	No	Yes	Yes	Yes
Griffis Hall	John Deere	4045HF275	134	100	CI	pre-2004	2004	<10	No	Yes	No	No
Harned	John Deere	6068HF285	208	155	CI	2010	2010	<10	No	Yes	Yes	Yes
Longest Student Health Center	Volvo	TAD1241GE	483	360	CI	pre-2006	2006	<10	No	Yes	No	No
Hurst Hall	John Deere	4045HF275	134	100	CI	pre-2004	2004	<10	No	Yes	No	No
Library	Cummins	nTA1962	600	400	CI	pre-1993	1993	<10	No	Yes	No	No
McArthur Hall	John Deere	4039DF004	54	40	CI	pre-2006	pre-2006	<10	No	Yes	No	No
McArthur Hall ITS	Cummins	NT855G6	435	275	CI	pre-2003	2003	<10	No	Yes	No	No
McComas Hall	Allis Chalmers	685.0	168	125	CI	pre-1984	1984	<10	No	Yes	No	No
McCool	Cummins	CPL8426	155	100	CI	pre-2006	2006	<10	No	Yes	No	No
Montgomery	Cummins	6BT5 9-G6	134	100	CI	pre-2002	2002	<10	No	Yes	No	No
Multi Tennant (SH Moseley Hall)	John Deere	6090HF485	375	280	CI	2010	2010	<10	No	Yes	Yes	Yes
Ruby Hall	John Deere	4045HF275	134	100	CI	pre-2004	2004	<10	No	Yes	No	No
Sewage Plant	Cummins	KT85513	268	200	CI	pre-1979	1979	<10	No	Yes	No	No
Well 4	John Deere	6090HF484	342	255	CI	2018.00	2018	<10	No	Yes	Yes	Yes
Well 5	Detroit	6012-72	335	250	CI	pre-1999	1999	<10	No	Yes	No	No
Oak hall	John Deere	4045H f285	134	100	CI	2012	2012	<10	No	Yes	Yes	Yes
Magnolia Hall	John Deere	4045H f285	134	100	CI	2012	2012	<10	No	Yes	Yes	Yes
Leo Seal	FPT	4FGE985J	107	80	CI	2012	2012	<10	No	Yes	Yes	Yes
Garner	Perkins	NJ70983	150	112	CI	2012	2012	<10	No	Yes	Yes	Yes
Dogwood	Caterpillar	C4.4	142	100	CI	2015	2015	<10	No	Yes	Yes	Yes
Davenport	Caterpillar	C7.1	302	250	CI	2015	2015	<10	No	Yes	Yes	Yes
Lee	Iveco	F3BE9685A	530	450	CI	2012	2012	<10	No	Yes	Yes	Yes
Fresh Foods	Cummins	4BTAA33G7	99	74	CI	2014	2014	<10	No	Yes	Yes	Yes
Shop Building	Perkins	MGDF7098	623	560	CI	2015	2015	<10	No	Yes	Yes	Yes
Hand Lab	Perkins	E15TAG3	762	500	CI	2015	2015	<10	No	Yes	Yes	Yes
Meat Science Lab	Perkins	E15TAG3	762	500	CI	2016	2016	<10	No	Yes	Yes	Yes
Old Main	Perkins	E13TAG2	664	440	CI	2014	2014	<10	No	Yes	Yes	Yes
YMCA/George	John Deere	6090HFG86	463	300	CI	2018	2018	<10	No	Yes	Yes	Yes
Fire Pump	Clarke	JU4HUF14	603	450	CI	2011	2011	<10	No	Yes	Yes	Yes
Portable Unit	Perkins	NL38947	74	55	CI	2011	2011	<10	No	Yes	No	No
Portable Unit	Perkins	NL38947	60	45	CI	2011	2011	<10	No	Yes	No	No
Portable Unit	Perkins	GN65733	27	20	CI	2011	2011	<10	No	Yes	No	No
Portable Unit	Perkins	EI5TAG3	671	500	CI	2011	2011	<10	No	Yes	No	No
Portable Unit	Cummins	JPS250F	399	250	CI	2011	2011	<10	No	Yes	No	No

Engine Location	Engine Make	Engine Model	Engine Rating (HP)	GenSet Capacity (kW)	CI/SI	Manufacture Date	Installation Date	Displacement (L/cylinder)	Equipped with a particulate filter with a backpressure monitor?	Equipped with a non-resettable hour meter?	Subject to Subpart ZZZZ (YES or NO)	Subject to Subpart JJJJ (YES or NO)
Allen Hall	Ford	H2A17503B2	40	30	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Bost Extension	Ford	WSG10686005A	134	100	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Bowen Simrall	EKBO	Not available	201	150	SI	pre-2004	2004	<10	No-Engine is SI	Yes	No	No
Bryan Bldg	Ford	VSG41116005A	11	8	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Cobb Institute	Ford	VSG413I6005A	11	8	SI	pre-1999	1999	<10	No-Engine is SI	Yes	No	No
Coliseum	International	V401	87	65	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Dudy Noble/Polk-Dement	Wisconsin	4G4D	20	15	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Dorman	Ford	C5AE6015F	40	30	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Fish Lab	Ford	3353	40	30	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Giles	Onan	Not available	17	12.5	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Hilbun	Ford	L5687516005A	67	50	SI	pre-1999	1999	<10	No-Engine is SI	Yes	No	No
IED	Ford	OC-199-AA	27	20	SI	pre-2001	2001	<10	No-Engine is SI	Yes	No	No
McCain Hall	Ford	WGG85816005E	80	60	SI	pre-2001	2001	<10	No-Engine is SI	Yes	No	No
Raceway	Onan	P2305	20	15	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Raspet Annex	Ford	LSG87516005A	107	80	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Rice Hall	Ford	C56-6491-60072	40	30	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Sanderson Center	Hino	88485	168	125	SI	pre-1996	1996	<10	No-Engine is SI	Yes	No	No
Steam Plant	Ford	6000C	134	100	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Student Union	GM	Not available	168	125	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Swalm	Cummins	GTA8-361	172	128	SI	pre-1998	1998	<10	No-Engine is SI	Yes	No	No
Thompson	Ford	1368751-61303C	134	100	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
Simrall	International	VL3327349	60	45	SI	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No
BSL Lab	Ford	ESG-6421-6005-A	63	47	SI	2003	2003	<10	No-Engine is SI	Yes	No	No
Gast	Ford	LSG-8751-6005-A	107	80	SI	2003	2003	<10	No-Engine is SI	Yes	No	No
Bowen	Gemerac	88486	168	125	SI	2004	2004	<10	No-Engine is SI	Yes	No	No
Radio Tower	Ford	LSG4231	27	20	SI-Propane	pre-2006	pre-2006	<10	No-Engine is SI	Yes	No	No