

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

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

The University of Mississippi
700 Hathorn Road
Oxford, Mississippi
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: _____

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

**AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Expires: [Date not to exceed 5 yrs from issuance]

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 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).) 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.

(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.)

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SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AA-005	Campus-wide diesel-fired and natural gas-fired emergency engines (full list in Appendix D)
AA-006	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar compression ignition (CI), 4-stroke rich burn (4SRB) stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-007	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-008	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-009	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-010	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-011	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-012	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-013	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-014	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-015	18.63 MMBTU/hr (2,848 HP/2,000kW) diesel-fired Caterpillar CI, 4SRB stationary internal combustion engine (Model #3516B/Model Year 2001) equipped with an oxidation catalyst. The engine is a non-emergency engine used for power generation.
AA-023	12.0 MMBTU/hr natural gas/fuel oil-fired boiler
AA-024	12.55 MMBtu/hr natural gas/fuel oil-fired Cleaver Brooks boiler (located at the former Baptist Hospital facility)
AA-025	12.25 MMBtu/hr natural gas/fuel oil-fired Cleaver Brooks boiler (located at the former Baptist Hospital facility)
AA-026	10.46 MMBtu/hr natural gas/fuel oil-fired Cleaver Brooks boiler (located at the former Baptist Hospital facility)
AA-027	Gasoline dispensing stations (three separate stations located at the Landscape Services Building)

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
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.15.C and TVOP issued September 19, 2011, modified January 20, 2016, and TVOP reissued as specified herein	3.B.1	Fuel Restriction	≤ 0.05% sulfur content by weight
		3.B.2		≤ 1,000,000,000 standard cubic feet of natural gas per rolling 12-month period
		3.B.3	NO _x	≤ 249.0 tons per year per rolling 12-month period
			CO	≤ 249.0 tons per year per rolling 12-month period
AA-005	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.4	PM (filterable only)	≤0.6 pounds / MMBTU
	NESHAP for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ 63.6580; 63.6585(a), (c), and (f)(3); and 63.6590(a)(1)(iii), (a)(2)(iii), and (c)(1)	3.B.5	HAPs	Applicability
	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII 60.4200(a)(2), 60.4205(a) and (b), 60.4206, 60.4211(a)(1)-(3) and Table 1	3.B.6	PM CO NO _x HC	Emission Standards
	60.4207(b) and 80.510(b)	3.B.7	Fuel Restriction	Sulfur content ≤ 15 ppm, and Cetane index of 40 OR aromatic content of 35 volume percent
	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ 60.4230(a)(4)(iv), 60.4233(d) and (e), and 60.4234	3.B.8	CO NO _x VOC	Emission Standards
	60.4209(a), 60.4237(b) and (c), and 11 Miss. Admin Code Pt. 2, R. 6.3.A(3)	3.B.9	Monitoring Requirement	Install hour meter
	60.4211(f)(1)-(3), 60.4243(d)(1)-(3), and 63.6640(f)(1), (2), and (4)	3.B.10	Operating Limit	Emergency operation requirements

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AA-006 through AA-015	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.11	PM (filterable only)	$E=0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 2.15.C. and TVOP reissued as specified herein	3.B.12	Operating Restriction	≤ 5,000 hours of total operating time for the combined generators per rolling 12-month period
	11 Miss. Admin. Code Pt. 2, R. 2.15.C. and TVOP issued September 19, 2011, and modified January 20, 2016	3.B.13	CO	Emissions routed through an oxidation catalyst
	40 CFR 72.7	3.B.14	SO ₂ NO _x	New Unit Exemption
	NESHAP for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ 63.6580, 63.6585(a) and (c), and 63.6590(a)(1)(iii)	3.B.15	HAPs	Applicability
	63.6603(a) and Table 2d	3.B.16		Reduce CO emissions by 70% or more
	63.6603(a) and Table 2b	3.B.17		Maintain pressure drop across catalyst and catalyst inlet temperature
63.6605 and 63.6625(h)	3.B.18	General operating requirements		
AA-023 AA-024 AA-025 AA-026	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.11	PM (filterable only)	$E=0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.19	SO ₂	4.8 pounds / MMBTU
	11 Miss. Admin. Code Pt. 2, R. 2.15.C. and 40 CFR 63.11237	3.B.20	Fuel Restriction	Each boiler limited to burning fuel oil for less than 48 hours/year on a calendar year basis
	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc 60.40c(a)	3.B.21	SO ₂	Applicability
	60.42c(d) and (i)	3.B.22		Sulfur content in fuel ≤0.5 weight percent

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AA-027	NESHAP for Gasoline Dispensing Facilities, 40 CFR 63, Subpart CCCCCC 63.11110, 63.11111(a) and (b), and 63.11112(a) and (d)	3.B.23	HAPs	Applicability
	63.11115(a) and 63.11116(a)	3.B.24		General requirements

- 3.B.1 The permittee shall not burn any liquid fuels that contain sulfur in excess of 0.05 percent by weight. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.15.C and TVOP issued September 19, 2011, modified January 20, 2016, and TVOP reissued as specified herein)
- 3.B.2 The permittee is limited to burning no more than 1,000,000,000 standard cubic feet (1,000 MMscf) of natural gas in any rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.15.C and TVOP issued September 19, 2011, modified January 20, 2016, and TVOP reissued as specified herein)
- 3.B.3 The permittee is limited to emitting 249.0 tons per year of NO_x and CO, each, in any rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.15.C and TVOP issued September 19, 2011, modified January 20, 2016, and TVOP reissued as specified herein)
- 3.B.4 For all the engines listed under Emission Point AA-005, the maximum permissible emission of ash and/or particulate matter (PM) shall not exceed 0.6 pounds per million BTU (MMBTU) per hour heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)
- 3.B.5 The engines listed under Emission Point AA-005 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 are highlighted in yellow are engines that were constructed at an area source of HAP emissions prior to June 12, 2006, and as such are considered existing institutional emergency stationary engines that are not subject to the provisions of Subpart ZZZZ except that the engine must comply with the provisions for emergency stationary RICE found in 40 CFR 63.6640(f).

The engines in Appendix D that are highlighted in green are not subject to Subpart ZZZZ because they are either portable engines that do not meet the definition of a stationary engine or they are considered new units under Subpart ZZZZ that would be evaluated for applicability to 40 CFR 60, Subpart JJJJ.

The remaining engines in Appendix D are considered new compression ignition (CI) and new spark ignition (SI) engines. Per 40 CFR 63.6590(c), each engine shall meet the requirements of Subpart ZZZZ by meeting 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.6 For the CI engines under Emission Point AA-005 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 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 of Subpart IIII)

- 3.B.7 For the CI engines under Emission Point AA-005, 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.8 For the SI engines under Emission Point AA-005 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.9 For the CI and SI engines under Emission Point AA-005, the permittee shall install a non-resettable hour meter on each engine regardless of whether the engine is required to do so by a federal regulation. (Ref.: 40 CFR 60.4209(a), 60.4237(b) and (c), and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3))
- 3.B.10 The CI and SI engines under Emission Point AA-005 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 limit on the use of any engine during emergency situations.
- (b) The permittee may operate the engines for maintenance checks and readiness testing for a maximum of 100 hours per calendar year provided the tests are recommended by federal, state, or local government, the manufacturer, the vendor, or the insurance company associated with the engines. The permittee 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 permittee maintains records indicating that federal, state, or local standards require maintenance and testing of an emergency engine in excess of 100 hours per year.
- (c) The permittee may operate an emergency engine 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 allowed in paragraph (b). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response unless the permittee meets the criteria in 60.4211(f)(3)(i), 60.4243(d)(3)(i), or 63.6640(f)(4)(i) or(ii), as applicable.

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

- 3.B.11 For Emission Points AA-006 through AA-015 and AA-023 through AA-026, 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.12 For Emission Points AA-006 through AA-015, the permittee shall limit operation of the engines to a combined 5,000 hours in any rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.15.C. and TVOP reissued as specified herein)
- 3.B.13 For Emission Points AA-006 through AA-015, the permittee shall route emissions from the diesel-fired electric generators through an oxidation catalyst at all times. (Ref.: 11

Miss. Admin. Code Pt. 2, R. 2.15.C., TVOP issued September 19, 2011, and modified January 20, 2016)

3.B.14 For Emission Points AA-006 through AA-015, the permittee shall meet the requirements of the New Unit Exemption as outlined in Section 8 of this permit. (Ref.: 40 CFR 72.7)

3.B.15 Emission Points AA-006 through AA-015 are subject to and shall comply with all applicable requirements of the NESHAP for Stationary RICE, 40 CFR 63, Subpart ZZZZ.

For purposes of this subpart, these engines are considered existing, compression ignition, non-emergency, four stroke rich burn engines with a site rating greater than 500 HP located at an area source of HAPs.

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

3.B.16 For Emission Points AA-006 through AA-015, the permittee shall reduce CO emissions from each engine by 70 percent or more. (Ref.: 40 CFR 63.6603(a) and Table 2d, Item 3 of Subpart ZZZZ)

3.B.17 For Emission Points AA-006 through AA-015, the permittee shall maintain the oxidation catalyst such 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 is measured during a performance test. Additionally, the permittee shall maintain the temperature of each engine's exhaust such that the catalyst inlet temperature is greater than 450 °F and less than or equal to 1,350 °F. (Ref.: 40 CFR 63.6603(a) and Table 2b, Item 1 of Subpart ZZZZ)

3.B.18 For Emission Points AA-006 through AA-015, the permittee shall, at all times, be in compliance with the applicable requirements of Subpart ZZZZ and shall operate and maintain the engine, including air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the 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.

For each engine, the permittee shall minimize the time spent at idle during startup and minimize each engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the 70 percent or more CO reduction requirement applies.

(Ref.: 40 CFR 63.6605 and 63.6625(h))

- 3.B.19 For Emission Points AA-023 through AA-026, 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.20 For Emission Points AA-023 through AA-026, the permittee shall limit the burning of fuel oil in each boiler to less than 48 hours per calendar year. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.15.C and 40 CFR 63.11237)
- 3.B.21 Emission Points AA-023 through AA-026 are subject to and shall comply with all applicable requirements of the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc. (Ref.: 40 CFR 60.40c(a))
- 3.B.22 For Emission Points AA-023 through AA-026, the permittee shall not burn any fuel oil with a sulfur content in excess of 0.5 weight percent. The fuel oil sulfur limit applies at all times, including startup, shutdown, and malfunction. (Ref.: 40 CFR 60.42c(d) and (i))
- 3.B.23 Emission Point AA-027 is subject to and shall comply with all applicable requirements of the NESHAP for Gasoline Dispensing Facilities (GDF), 40 CFR 63, Subpart CCCCCC. Emission sources affected by the requirements of this subpart include gasoline storage tanks and associated equipment components in vapor or liquid gasoline service, pressure/vacuum vents on gasoline storage tanks, and any equipment necessary to unload product from cargo tanks into the storage tanks at the GDF. (Ref.: 40 CFR 63.11110, 63.11111(a) and (b), and 63.11112(a) and (d))
- 3.B.24 For Emission Point AA-027, 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. Preventive 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) and 60.11116(a))

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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 pounds / MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2	SO ₂	4.8 pounds / 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 (MMBTU) per hour heat input shall not exceed 0.6 pounds per MMBTU 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 (MMBTU) heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(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).)

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.))

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B. Specific Monitoring and Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.1	Fuel Restrictions	Record and maintain the sulfur content and gallons of fuel oil used monthly and for each rolling 12-month period
		5.B.2	Natural Gas Usage	Record and maintain the amount of natural gas used monthly and for each rolling 12-month period
		5.B.3	NO _x CO	Calculate facility-wide emissions of each pollutant for each rolling 12-month period
AA-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.4	Engine List	Record and maintain list of engines
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3) and 60.4214(b) 60.4245(b) 63.6655(f)	5.B.5	Emergency Operations	Record hours of operation and reason for operation
	60.4211(b)(1), and (c) 60.4243(b)(1) and 60.4245(a)(3)	5.B.6	Engine Certification	Purchase certified engines/keep records of engine certification
AA-006 through AA-015	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.7	Operating Restriction	Record the hours each unit operated monthly and the total hours operated each rolling 12-month period
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.8	Opacity	Visual observations / VEE
		5.B.9	NO _x	Performance testing
	40 CFR 72.7(d)(3) and (f)(3)	5.B.10	SO ₂	Annual average sulfur content of fuel
	63.6615, 63.6620(a), (b), (d), (e), and (i) and Tables 3 and 4 of Subpart ZZZZ	5.B.11	HAPs CO	Periodic stack tests
	63.6625(b)	5.B.12	HAPs	CPMS requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Monitoring/Recordkeeping Requirement
AA-006 through AA-015	63.6635, 63.6640(a), and Table 6 of Subpart ZZZZ	5.B.13	HAPs	Continuous compliance
	63.6655(a), (b), and (d) and 63.6660	5.B.14		Recordkeeping
AA-023 through AA-026	60.44c(h), 60.46c(e) and 60.48c(f), (g)(2), and (i)	5.B.15	SO ₂	Monitor sulfur content in fuel
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.B.16	Fuel Restrictions	Monitor and record the hours each unit operated monthly while firing fuel oil and the total hours operated each calendar year
AA-027	63.11116(b)	5.B.17	HAPs	Gasoline throughput records

- 5.B.1 The permittee shall record and maintain information demonstrating the volume of fuel oil (in gallons) used both monthly and on a rolling 12-month 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).)
- 5.B.2 The permittee shall record and maintain information demonstrating the 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 The permittee shall demonstrate continuous compliance with the 249.0 tons/year emission limit for NO_x and CO by respectively calculating the total emissions both monthly and on a rolling 12-month basis. The total emissions shall be determined using the following information:
- (a) For emergency engines (Emission Point AA-005), the permittee shall use the hours of operation and corresponding emission factors (e.g. AP-42 or manufacturer’s guarantee) approved in the Title V application to determine NO_x and CO emissions from each engine and shall assume the engines are operated at their maximum rated capacity, unless more accurate information is monitored and recorded;
 - (b) For non-emergency engines (Emission Points AA-006 through AA-015), the permittee shall use the hours of operation and either corresponding emission factors approved in the Title V application or the results of the most recent stack test, whichever is greater, to determine NO_x and CO emissions from each engine and shall assume the engines are operated at their maximum rated capacity, unless more accurate information is monitored and recorded;
 - (c) For natural gas-fired sources, the permittee shall use the monthly amount of

natural gas combusted and corresponding emission factors approved in the Title V application to determine emissions of NO_x and CO;

- (d) For dual-fired boilers (Emission Points AA-023 through AA-026), the permittee shall use the monthly amount of diesel (i.e. fuel oil) combusted and the corresponding emission factors approved in the Title V application to determine emissions of NO_x and CO.

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

- 5.B.4 For Emission Point AA-005, 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-005 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.5 For Emission Point AA-005, 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)., 60.4214(b), 60.4245(b), and 63.6655(f))
- 5.B.6 For the engines within Emission Point AA-005 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-005 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.7 For Emission Points AA-006 through AA-015, the permittee shall record the hours of operation for each engine monthly and maintain a record of the total hours of operation

for each rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

- 5.B.8 For Emission Points AA-006 through AA-015, the permittee shall perform a visible emissions observation during any performance testing event being conducted on an engine. If visible emissions are observed, the permittee shall perform a visual emissions evaluation (VEE) in accordance with EPA Reference Method 9 to demonstrate compliance with the opacity limit referenced in Condition 3.A.2.

The permittee must maintain a log documenting all visual observations, the nature and cause of any visible emissions, any corrective action(s) taken to prevent or minimize emissions, and the date / time when visual emission observations were conducted. The results of each respective observation and evaluation shall be recorded and maintained on-site.

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

- 5.B.9 For Emission Points AA-006 through, AA-015, the permittee shall conduct performance testing in accordance within the following provisions to establish an appropriate emission factor for nitrogen oxides (NO_x), as specified by Condition 5.B.3(b):

- (a) Performance testing for the referenced pollutant shall be conducted using either EPA Test Method 7, 7A, 7B, 7C, 7D, or 7E (or any other approved alternative). All tests previously specified shall be those versions, or the approved equivalents, which are in effect upon permit issuance.
- (b) The selected engines must respectively be operating at no less than 80% of their maximum capacity during entirety of the performance testing.
- (c) Performance testing must be performed on a minimum of three (3) individual engines within 270 days upon issuance of this permit. Thereafter, the permittee shall calculate an average from the results of the cumulative stack testing events to determine an emission factor for the referenced pollutant.

The permittee may conduct the outlined performance testing in conjunction with the performance testing event(s) required by Condition 5.B.11 provided that the provisions within this condition are met.

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

- 5.B.10 For Emission Points AA-006 through AA-015, the permittee shall use the equation in 40 CFR 72.7(d)(2) to calculate the annual average sulfur content of the fuel oil fired in the engines. The fuel records used to calculate the average sulfur content may be provided by the fuel supplier for each shipment received or by sampling each shipment as it is received. (Ref.: 40 CFR 72.7(d)(3) and (f)(3))

5.B.11 For Emission Points AA-006 through AA-015, the permittee shall conduct performance testing on each engine to demonstrate compliance with the carbon monoxide (CO) reduction requirement referenced in Condition 3.B.16 once every 8,760 hours of operation or every three (3) years, whichever comes first. The performance tests must be conducted in accordance with the requirements contained in Table 4, Item 1 of Subpart ZZZZ. If an engine is not operational at the time the next performance test is due, the engine(s) do not have to be started up solely to conduct the performance test(s). However, the performance test(s) will need to be conducted once the engine(s) are started up again.

Each performance test will consist of three (3), sixty (60) minute test runs and the CO percent reduction will be determined using Equation 1 of 40 CFR 63.6620(e)(1). The permittee shall also keep the necessary records to determine what the engine percent load was during the performance test.

The permittee may also utilize the data collected from the outlined performance testing to establish an appropriate emission factor for CO, as specified by Condition 5.B.3(b), if the following criteria is achieved:

- (a) A minimum of 3 individual engines must be tested within 270 days upon issuance of this permit. Thereafter, the permittee shall calculate an average from the results of the cumulative stack testing events to determine an emission factor for CO.
- (b) The selected engines must respectively be operating at no less than 80% of their maximum capacity for the entire of the performance testing.

(Ref.: 40 CFR 63.6615, 63.6620(a), (b), (d), (e), and (i) and Tables 3 and 4 of Subpart ZZZZ; 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.B.12 For Emission Points AA-006 through AA-015, the permittee shall install, operate, and maintain the continuous parameter monitoring systems (CPMS) used to monitor the catalyst inlet temperature in accordance with the following:

- (a) The permittee shall prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in (i) through (v) below:
 - (i) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;
 - (ii) Sampling interface (e.g., thermocouple) location such that the monitoring system will provide representative measurements;

- (iii) Equipment performance evaluations, system accuracy audits, or other audit procedures;
 - (iv) Ongoing operation and maintenance procedures in accordance with provisions in 63.8(c)(1)(ii) and (c)(3); and
 - (v) Ongoing reporting and recordkeeping procedures in accordance with provisions in 63.10(c), (e)(1) and (e)(2)(i).
- (b) The permittee shall install, operate, and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.
 - (c) The CPMS must collect data at least once every 15 minutes.
 - (d) The temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 percent of the measurement range, whichever is larger.
 - (e) The permittee must conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.

(Ref.: 40 CFR 63.6625(b))

5.B.13 For Emission Points AA-006 through AA-015, the permittee shall demonstrate continuous compliance with the CO percent reduction requirement referenced in Condition 3.B.16 for each engine in accordance with the following:

- (a) Collect the catalyst inlet temperature data, reduce the data to 4-hour rolling averages, and maintain the 4-hour rolling averages within the operating limits for the catalyst inlet temperature.
- (b) Measure the pressure drop across each catalyst once per month and demonstrate that the pressure drop across the catalyst is within the operating limitation established during the previous performance test.

The permittee shall monitor continuously at all times the engines are operating except for periods of monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities. Any data obtained during one of these periods shall not be used in any average or calculation used to demonstrate compliance.

(Ref.: 40 CFR 63.6635, 63.6640(a), and Table 6, Item 10 of Subpart ZZZZ).

5.B.14 For Emission Points AA-006 through AA-015, the permittee shall keep the following records:

- (a) A copy of each notification or report submitted to comply with Subpart ZZZZ;
- (b) Records of the occurrence and duration of each malfunction of process, air pollution control, or monitoring equipment;
- (c) Records of performance tests and performance evaluations;
- (d) Records of all maintenance performed on the air pollution control and monitoring equipment;
- (e) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process, air pollution control, and monitoring equipment to its normal or usual manner of operation.
- (f) For each CPMS, records of the following:
 - (i) Each period during which the CPMS is malfunctioning or inoperative;
 - (ii) All required measurements needed to demonstrate compliance;
 - (iii) All measurements necessary to determine the conditions of performance tests and performance evaluations;
 - (iv) All CPMS calibration checks;
 - (v) All adjustments and maintenance performed on the CPMS; and
 - (vi) Previous versions of the performance evaluation plan required under 63.8(d)(3).

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

- 5.B.15 For Emission Points AA-023 through AA-026, the permittee shall demonstrate compliance with the sulfur content of the fuel by obtaining a certification from the fuel supplier that includes the name of the fuel supplier, a statement from the supplier that the fuel complies with the specifications under the definition of distillate oil in Subpart Dc, and the sulfur content or maximum sulfur content of the fuel. The permittee shall record and maintain monthly records of the amount of fuel combusted during each month. All records shall be maintained for a period of two (2) years following the date of such record. (Ref.: 40 CFR 60.44c(h), 60.46c(e), and 60.48c(f), (g)(2), and (i))
- 5.B.16 For Emission Points AA-023 through AA-026, the permittee shall record the hours of operation for each unit in which fuel oil (i.e., diesel) is fired on a monthly basis and maintain a record of the total hours for each calendar year. (Ref. 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

5.B.17 For Emission Point AA-027, the permittee shall keep records documenting the monthly gasoline throughput. (Ref.: 40 CFR 63.11116(b))

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C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	5.C.1	Fuel	Submit fuel usage data
		5.C.2	NO _x CO	Submit emissions summary
AA-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	5.C.3	Hours of Operation	Report hours of operation (Emergency and Non-Emergency)
AA-006 through AA-015	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.C.4	NO _x CO	Submit stack testing protocol
		5.C.5		Submit stack testing results
		5.C.6		Submit notification of determination
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	5.C.7	Hours of Operation	Report hours of operation (Emergency and Non-Emergency)
	63.6595(c), 63.6645(a)(2) and (g)	5.C.8	CO	Notification of intent
	63.6645(h) and 63.9(h)(2)(ii) and (3)	5.C.9		Notification of compliance status
	63.6650 (a), (b), (c), (e), and (f)	5.C.10		Semi-annual compliance report
AA-023 AA-024 AA-025 AA-026	60.48c(d), (e), and (j)	5.C.11	Sulfur Content	Submit fuel certification(s)
AA-027	63.11111(e) and 63.11116(b)	5.C.12	Gasoline Throughput	Submit monthly gasoline throughput

5.C.1 The permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that includes the amount of fuel oil (i.e. diesel) and natural gas fired on a monthly basis and during the rolling 12-month period. This report should also include information concerning the sulfur content of the fuel oil fired during this period. (Ref.: 11 Miss. Admin. Code, Pt. 2, R. 6.3.A(3)(c)(1).)

5.C.2 The permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that details both the monthly and 12-month rolling total of emissions for NO_x and CO. The basis for the emissions calculations shall be clearly identified in the report, including the supporting data used to determine emissions (e.g., hours of operation, fuel usage, emission factors, etc.). (Ref.: 11 Miss. Admin. Code, Pt. 2, R. 6.3.A(3)(c)(1).)

5.C.3 For Emission Point AA-005, 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)(c)(1).)

- 5.C.4 For Emission Points AA-006 through AA-015, the permittee shall submit a written stack testing protocol for the respective affected sources and the applicable pollutants at least thirty (30) days prior to the intended testing date(s) to ensure that the all test methods and procedures are acceptable to the MDEQ. If deemed necessary by the MDEQ, a pre-test conference prior to the intended testing date(s) may be required to discuss the test methods and procedures outlined in the stack testing protocol. Additionally, the permittee shall denote within the stack testing protocol the specific engines to be tested.

The permittee shall notify the MDEQ in writing at least ten (10) days prior to the intended testing date(s) so that a representative from the MDEQ may be afforded the opportunity to observe the stack testing.

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

- 5.C.5 For Emission Points AA-006 through AA-015, the permittee shall submit the results of the performance testing referenced in Conditions 5.B.9 and 5.B.11 to the MDEQ within sixty (60) days of completing the testing event. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 5.C.6 For Emission Points AA-006 through AA-015, the permittee shall submit a notification detailing the appropriate emission factors for determining carbon monoxide (CO) and nitrogen oxides (NO_x) emissions respectively, as specified by Condition 5.B.3(b), within sixty (60) days upon completion of the performance testing outlined in Conditions 5.B.9 and 5.B.11. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 5.C.7 For Emission Points AA-006 through AA-015, the permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that summarizes the hours of operation for each individual engine on a monthly and rolling 12-month total. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A.(3)(c)(1).)
- 5.C.8 For Emission Points AA-006 through AA-015, the permittee shall submit a notification of intent to conduct a performance test at least sixty (60) days before the performance test is scheduled to begin. (Ref.: 40 CFR 63.6595(c), 63.6645(a)(2) and (g))
- 5.C.9 For Emission Points AA-006 through AA-015, the permittee shall submit a Notification of Compliance Status within sixty (60) days following the completion of required performance tests. Each notification will be certified by the permittee as being accurate and shall include the following information:

- (a) The methods used to determine compliance;
- (b) The results of the performance tests;
- (c) The methods that will be used to determine continuous compliance, including a description of monitoring and reporting requirements;
- (d) The type and quantity of pollutants emitted by the engine(s) reported in units and averaging times in accordance with the relevant test methods;
- (e) A description of the air pollution control equipment for each emission point, including each control device for each hazardous air pollutant and the control efficiency (percent) for each control device; and,
- (f) A statement by the responsible official as to whether the source has complied with the requirements of Subpart ZZZZ.

(Ref.: 40 CFR 63.6645(h) and 63.9(h)(2)(ii) and (3))

5.C.10 For Emission Points AA-006 through AA-015, the permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that contains the information outlined in (a) through (f):

- (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 there was a malfunction in the reporting period, the report shall include the number, duration, and a brief description for the malfunction that occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report should also include a description of any actions taken by the permittee during a malfunction to minimize emissions;
- (e) If there are no deviations from any emission or operating limitation, a statement that there were no deviations from the emission or operating limitations during the reporting period; and
- (f) If there were no periods during which the CPMS was out-of-control, a statement that there were no periods during which the CPMS was out-of-control during the reporting period.

For each compliance period where there is a deviation from an emission or operating

limitation, the compliance report shall include the information outlined both in (a) through (d) above and (g) through (r) below:

- (g) The date and time that each malfunction started and stopped;
- (h) The date, time, and duration that each CPMS was inoperative, except for zero (low-level) and high-level checks;
- (i) The date, time, and duration that each CPMS was out-of-control and a summary of the corrective actions taken;
- (j) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period;
- (k) 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 the reporting period;
- (l) 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;
- (m) A summary of the total duration of the CPMS downtime during the reporting period, and the total duration of CPMS downtime as a percent of the total operating time of the engine(s) at which the downtime occurred during the reporting period;
- (n) An identification of each parameter and pollutant (i.e., CO) that was monitored;
- (o) A brief description of the engine(s);
- (p) A brief description of the CPMS;
- (q) The date of the latest CPMS certification or audit;
- (r) A description of any changes in CPMS, processes, or controls since the last reporting period;

While such deviations are to be reported in the semi-annual compliance report under Subpart ZZZZ, the permittee is still required to comply with the deviation reporting requirements of Condition 5.A.5.

(Ref.: 40 CFR 63.6650(a), (b), (c), (e) and (f))

5.C.11 For Emission Points AA-023 through AA-026, the permittee shall submit a semi-annual

report in accordance with Condition 5.A.4 that contains the following information:

- (a) Calendar dates covered in the reporting period;
- (b) Fuel supplier certifications which include:
 - (i) **Distillate Oil:** The name of the fuel supplier, a statement from the fuel supplier that the oil complies with the specifications under the definition of distillate oil as defined in 60.41c, and the sulfur content or maximum sulfur content of the fuel oil;
 - (ii) **Other Fuels:** The name of the supplier of the fuel, the potential sulfur emissions rate or maximum potential sulfur emissions rate of the fuel in ng/J heat input, and the method used to determine the potential sulfur emissions rate of the fuel;
- (c) A certified statement signed by the permittee stating that the records of fuel supplier certifications represent all the fuel combusted during the reporting period.

(Ref.: 40 CFR 60.48c(d), (e), and (j)).

- 5.C.12 For Emission Point AA-027, 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.

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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,

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 REGULATIONS

For Emission Points AA-006 through AA-015, the permittee shall comply with the requirements of the New Unit Exemption form included as Appendix C of this permit.

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APPENDIX A

List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr / dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs. / hr.	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
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
NM VOC	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> and <http://ecfr.gpoaccess.gov> or the Mississippi Department of Environmental Quality will provide a copy upon request. A list of regulations referenced in this permit is shown below:

11 Miss. Admin. Code, Part 2, Ch. 1. – Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants (Amended November 10, 2016)

11 Miss. Admin. Code, Part 2, Ch. 2. – Permit Regulations for the Construction and/or Operation of Air Emissions Equipment (Amended July 28, 2005)

11 Miss. Admin. Code, Part 2, Ch. 6. – Air Emission Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act (Amended June 28, 2012)

40 CFR 82, Protection of Stratospheric Ozone

40 CFR 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

40 CFR 63, Subpart ZZZZ – NESHAP for Stationary Reciprocating 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



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#
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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 #	TOTAL MWe
MWe	MWe	MWe	MWe	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 Engines

University of Mississippi Emergency SI Engines

Engine Location	Engine Make	Engine Model	Engine Rating (HP)	GenSet Capacity (kW)	SI/CI	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)
Baseball Bldg.	Kohler	15RMY72	32	15	SI	n/a	pre-1980	<10	NO-Engine is SI	YES	NO	NO
BIS Bldg.	Kohler	15RM62	32	15	SI	n/a	pre-1980	<10	NO-Engine is SI	YES	NO	NO
Coulter Bldg.	Ohan	30.0EK-16R	60	30	SI	n/a	1975	<10	NO-Engine is SI	YES	NO	NO
Coulter addn.	Generac	OJ5866	304	200	SI	Dec-14	2015	<10	NO-Engine is SI	YES	YES	YES
Football Stadium	Kohler	80RZ272	132	80	SI	n/a	1997	<10	NO-Engine is SI	YES	NO	NO
Turner Center	Kohler	30RZ72	49	30	SI	n/a	1983	<10	NO-Engine is SI	YES	NO	NO
Kinard UPD Bldg.	Kohler	30RC62	49	30	SI	n/a	2004	<10	NO-Engine is SI	YES	NO	NO
Lamar Bldg.	Kohler	150REZGB	228	150	SI	5/3/2012	2013	<10	NO-Engine is SI	YES	YES	YES
Library Bldg.	Cummins	OSP-0028-10	152	100	SI	est. 2012	2013	<10	NO-Engine is SI	YES	YES	YES
Martindale Bldg.	Olympian	97A02804-5	156	100	SI	n/a	2000	<10	NO-Engine is SI	YES	NO	NO
Lift Station Bldg.	Cummins	CCEXB06.8DGB	250	75	SI	n/a	2013	<10	NO-Engine is SI	YES	YES	YES
NCPA Bldg.	Cummins	37122170	480	400	SI	n/a	1991	<10	NO-Engine is SI	YES	NO	NO
Union Bldg.	Onan	15.0JC-4R	40	15	SI	n/a	1975	<10	NO-Engine is SI	YES	NO	NO
Wier Bldg.	Cummins	LRG4251-6005A	40	30	SI	n/a	1989	<10	NO-Engine is SI	YES	NO	NO
Kinard Well	Cummins	GGHH-4482189	362	75	SI	est. 2009	2010	<10	NO-Engine is SI	YES	YES	YES
Hefley Bldg.	Kohler	100RZG	162	100	SI	n/a	2001	<10	NO-Engine is SI	YES	NO	NO
Brown Bldg.	Onan	15.0JC-18r	48	15	SI	n/a	1962	<10	NO-Engine is SI	YES	NO	NO
Crosby	Kohler	30RZ82	60	30	SI	n/a	1970	<10	NO-Engine is SI	YES	NO	NO
Kincannon Bldg.	Onan	15.0JC-18R	32	15	SI	n/a	mid-60's	<10	NO-Engine is SI	YES	NO	NO
Deaton	Cummins	ACEXB08-1GDA	375	185	SI	est. 2010	2011	<10	NO-Engine is SI	YES	YES	YES
Shoemaker	Kohler	125RZG	195	125	SI	est. 2008	2009	<10	NO-Engine is SI	YES	YES	NO
Indoor pract. Facility	Cummins	ESG642	67	35	SI	n/a	2000	<10	NO-Engine is SI	YES	NO	NO
Small Bus Dev.	Cummins	GGLA	152	125	SI	est. 2010	2011	<10	NO-Engine is SI	YES	YES	YES
Stewart	Cummins	GTA8.3G2	224	140	SI	Nov. 2009	2010	<10	NO-Engine is SI	YES	YES	YES
Inn at Ole Miss	Generac	7750610100	267	175	SI	Feb-07	2009	<10	NO-Engine is SI	YES	YES	NO
Res Coll South	Generac	10684330100	454	250	SI	Feb-09	2009	<10	NO-Engine is SI	YES	YES	YES
Res Coll South	Kohler	125RZG	195	125	SI	est. 2008	2009	<10	NO-Engine is SI	YES	YES	NO
Res Coll. North	Olympian	0H0924	304	200	SI	Feb-10	2011	<10	NO-Engine is SI	YES	YES	YES
Minor Hall	Cummins	253672z5	383	250	SI	est. 2010	2011	<10	NO-Engine is SI	YES	YES	YES
Burns Hall	Cummins	M11H326437	152	125	SI	est. 2010	2011	<10	NO-Engine is SI	YES	YES	YES
Coulter II	Olympian	SC136T304D	304	200	SI	2014	2015	<10	NO-Engine is SI	YES	YES	YES
Northgate Dorm	Generac	SG0150KGO136	304	150	SI	2014	2015	<10	NO-Engine is SI	YES	YES	YES
Indoor Tennis Facility	Cummins	QSI5.9G-G1	85	80	SI	2015	2017	<10	NO-Engine is SI	YES	YES	YES
Swayze Field	Kohler	30REZGB	72	54	SI	2017	2017	<10	NO-Engine is SI	YES	YES	YES
South Campus Rec	Kohler	150REZGC	260	194	SI	2017	2017	<10	NO-Engine is SI	YES	YES	YES
Shoemaker Hall	Olympian	G300LG6	460	194	SI	2017	2018	<10	NO-Engine is SI	YES	YES	YES

Engines that are considered existing institutional emergency RICE and are not subject to 40 CFR 63, Subpart ZZZZ.

Engines that are new units but are not subject to 40 CFR 60, Subpart JJJJ since they are emergency engines manufactured before January 1, 2009.

Engines that are subject to requirements in 40 CFR 60, Subpart JJJJ.

University of Mississippi Emergency CI Engines

Engine Location	Engine Make	Engine Model	Engine Rating (HP)	GenSet Capacity (kW)	SI/CI	Manufacture Date	Installation Date	Displacement (L/cylinder)	Equipped with a particulate filter with a backpressure monitor?	Equipped with a non-resettable hour meter?	Subject Subpart ZZZZ? (YES or NO)	Subject to Subpart IIII (YES or NO)
Football South Bldg.	Cummins	230DFAB-2269	380	250	CI	n/a	2001	<10	NO	YES	NO	NO
Holman Bldg.	Caterpillar	3306	164	250	CI	n/a	1996	<10	NO	YES	NO	NO
Lyceum	Kohler	180R02J	289	180	CI	n/a	2001	<10	NO	YES	NO	NO
Natural Products 1 Bldg.	Kohler	500ROZD71	830	500	CI	n/a	Apr-95	<10	NO	YES	NO	NO
Natural Products 2 Bldg.	Kohler	500ROZD71	830	500	CI	n/a	Apr-95	<10	NO	YES	NO	NO
Natural Products 3 Bldg.	Kohler	500ROZD71	830	500	CI	n/a	Apr-95	<10	NO	YES	NO	NO
Cent Mech Plant	John Deere	5030HF285G	96	60	CI	Jan-13	Jun-13	<10	NO	YES	YES	YES
Coliseum Well	Kohler	250REOZD	310	250	CI	n/a	1982	<10	NO	YES	NO	NO
Performing Arts Bldg.	Cummins	NTA-855-G2	465	250	CI	n/a	2004	<10	NO	YES	NO	NO
former hospital Unit #1	Cummins/Onan	KTA38-G1	1135	750	CI	1990	1990	<10	NO	YES	NO	NO
former hospital Unit #2	Caterpillar	3412	1006	750	CI	1998	1998	<10	NO	YES	NO	NO
former hospital Unit #3	Caterpillar	3412	1006	750	CI	1998	1998	<10	NO	YES	NO	NO
Wetlands Bldg #2	Spectrum 20	20DSJ	80	20	CI	n/a	1992	<10	NO	YES	NO	NO
Wetlands Bldg #1	Spectrum 30	30DSJ	115	30	CI	n/a	2001	<10	NO	YES	NO	NO
Physical Plant Shop	Cummins	QSX15-G9	755	400	CI	est. 2009	2010-11	<10	NO	YES	YES	YES
Student Health	Cummins	DSGAB-2016077	152	125	CI	est. 2009	2010	<10	NO	YES	YES	YES
Airport	Cummins	QSL9G2NR3	364	200	CI	est. 2009	2010	<10	NO	YES	YES	YES
Super Computer	Caterpillar	C27	1150	750	CI	est. 2010	2011	<10	NO	YES	YES	YES
Super Computer	Caterpillar	C27	1150	750	CI	est. 2010	2011	<10	NO	YES	YES	YES
Crosby	Olympian	D200P3	325	200	CI	est. 2006	2007	<10	NO	YES	YES	YES
Kincannon	Olympian	D200P3	325	200	CI	est. 2006	2007	<10	NO	YES	YES	YES
WWTP Bldg.	Cummins	QSX15-G9	755	400	CI	Nov. 10	2009	<10	NO	YES	YES	YES
Khayat Bldg.	Cummins	QSX15-G9	755	400	CI	Sep-09	2010	<10	NO	YES	YES	YES
Baxter	Kohler	200REOZJF	315	200	CI	Jul-12	2013	<10	NO	YES	YES	YES
Natural Products 2 Bldg.	Caterpillar	C18	900	600	CI	2013	2015	<10	NO	YES	YES	YES
Natural Products 2 Bldg.	Caterpillar	C18	900	600	CI	2013	2015	<10	NO	YES	YES	YES
Kinard	Kohler	40REOZJC80	80	40	CI	Oct-12	Apr-14	<10	NO	YES	YES	YES
Powers	Caterpillar	C1.5	28	20	CI	Nov-12	2012/13	<10	NO	YES	YES	YES
Football Stadium	Caterpillar	C6.6	230	150	CI	2015	2017	<10	NO	YES	YES	YES
North Parking Structure	Caterpillar	C4.4	107	80	CI	2015	2017	<10	NO	YES	YES	YES
Student Union	Caterpillar	C7.1	268	200	CI	2015	2017	<10	NO	YES	YES	YES
Football Stadium	Caterpillar	C15	787	500	CI	2014	2017	<10	NO	YES	YES	YES
Portable Light Tower #1	Kubota	D-1105-BG-ET01	12.8	6	CI	est. 2009	3/15/2010	<10	n/a	n/a	NO - Engine is portable and is not a stationary source.	
Portable Light Tower #2	Kubota	D-1105-BG-ET01	12.8	6	CI	est. 2009	3/15/2010	<10	n/a	n/a	NO - Engine is portable and is not a stationary source.	
Portable Light Tower #3	Kubota	D-1105-BG-ET01	12.8	6	CI	est. 2009	3/15/2010	<10	n/a	n/a	NO - Engine is portable and is not a stationary source.	
Portable Light Tower #4	Kubota	D-1105-BG-ET01	12.8	6	CI	est. 2009	3/15/2010	<10	n/a	n/a	NO - Engine is portable and is not a stationary source.	
Portable Unit	Kohler	230ROZD81	370	250	CI	n/a	n/a	<10	n/a	n/a	NO - Engine is portable and is not a stationary source.	

Engines are considered existing institutional emergency RICE and are not subject to Subpart ZZZZ.

Portable engines that are not considered a Stationary RICE.

Engines subject to 40 CFR 60, Subpart IIII (all engines are certified to meet Subpart IIII emission standards)