

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

**TO OPERATE AIR EMISSIONS EQUIPMENT**

**THIS CERTIFIES THAT**

Kohler Company, Hattiesburg Engine Plant  
182 John Merl Tatum Industrial Drive  
Hattiesburg, Mississippi  
Forrest 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: February 2, 2015**

**Modified: SEP 17 2018**

**Effective Date: As specified herein.**

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**



**AUTHORIZED SIGNATURE**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Expires: January 31, 2020**

**Permit No.: 0800-00092**

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

### **APPENDIX B 40 CFR PART 63, SUBPART ZZZZ – NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES (RICE)**

### **APPENDIX C 40 CFR PART 63, SUBPART CCCCCC – NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORY: GASOLINE DISPENSING FACILITIES (AREA SOURCES)**

## SECTION 1. GENERAL CONDITIONS

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

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

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

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

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

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

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

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

- (1) Additional applicable requirements under the Federal Act become applicable to a major Title V source with a remaining permit term of 3 or more years. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended.
- (2) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
- (3) The Permit Board or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit.
- (4) The Administrator or the Permit Board determines that the permit must be

revised or revoked to assure compliance with the applicable requirements.

- (b) Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall only affect those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.
- (c) Reopenings shall not be initiated before a notice of such intent is provided to the Title V source by the DEQ at least 30 days in advance of the date that the permit is to be reopened, except that the Permit Board may provide a shorter time period in the case of an emergency.

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

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

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

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

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

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

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

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

- (a) For purposes of fee assessment and collection, the permittee shall elect for actual or allowable emissions to be used in determining the annual quantity of emissions unless the Commission determines by order that the method chosen by the applicant for calculating actual emissions fails to reasonably represent actual emissions. Actual emissions shall be calculated using emission monitoring data or direct emissions measurements for the pollutant(s); mass balance calculations such as the amounts of the pollutant(s) entering and leaving process equipment and where mass balance

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- (d) as authorized by the Federal Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

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

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

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

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

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

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

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

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

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

- (a) the provisions of Section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section;
- (b) the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- (c) the applicable requirements of the acid rain program, consistent with Section 408(a) of the Federal Act.
- (d) the ability of EPA to obtain information from a source pursuant to Section 114 of the Federal Act.

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

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

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

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

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

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

- (a) the changes are not modifications under any provision of Title I of the Act;
- (b) the changes do not exceed the emissions allowable under this permit;

- (c) the permittee provides the Administrator and the Department with written notification in advance of the proposed changes (at least seven (7) days, or such other time frame as provided in other regulations for emergencies) and the notification includes:
  - (1) a brief description of the change(s),
  - (2) the date on which the change will occur,
  - (3) any change in emissions, and
  - (4) any permit term or condition that is no longer applicable as a result of the change;
- (d) the permit shield shall not apply to any Section 502(b)(10) change.

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

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

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

- 1.20 Except as otherwise provided herein, a modification of the facility may require a Permit to Construct in accordance with the provisions of Regulations 11 Miss. Admin. Code Pt. 2, Ch. 2., "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment", and may require modification of this permit in accordance with Regulations 11 Miss. Admin. Code Pt. 2, Ch. 6., "Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act". Modification is defined as "[a]ny physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:
- (a) routine maintenance, repair, and replacement;
  - (b) use of an alternative fuel or raw material by reason of an order under Sections 2 (a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan

pursuant to the Federal Power Act;

- (c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;
- (d) use of an alternative fuel or raw material by a stationary source which:
  - (1) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51, Subpart I, or 40 CFR 51.166; or
  - (2) the source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 40 CFR 51.166;
- (e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or
- (f) any change in ownership of the stationary source.

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

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

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

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

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

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

the following buffer zones.

- (a) Open burning without a forced-draft air system must not occur within 500 yards of an occupied dwelling.
- (b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within 50 yards of an occupied dwelling.
- (c) Burning must not occur within 500 yards of commercial airport property, private air fields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator.

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

1.24 Except as otherwise specified herein, the permittee shall be subject to the following provision with respect to emergencies:

- (a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
- (b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.
- (c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:
  - (1) an emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - (2) the permitted facility was at the time being properly operated;
  - (3) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
  - (4) the permittee submitted notice of the emergency to the DEQ within 2 working

days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

- (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

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

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

- (a) Upsets (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
  - (1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:
    - (i) An upset occurred and that the source can identify the cause(s) of the upset;
    - (ii) The source was at the time being properly operated;
    - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;
    - (iv) That within 5 working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;
    - (v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.

- (2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.
  - (3) This provision is in addition to any upset provision contained in any applicable requirement.
  - (4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.
- (b) Startups and Shutdowns (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.
  - (2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).
  - (3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

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

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

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

## SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AA-001	Two (2) 43.4 MMBTU/hr Diesel-fired Emergency Generators (Ref. EPN-61)
AA-002	Engine Testing - Production Testing (Ref. EPN-32/63) including Flex Line Production [twelve (12) test stands and two (2) audit stands with a testing capacity up to 36 hp] and Twin Assembly Production [ten (10) test stands and two (2) audit stands with a testing capacity up to 27 hp]
AA-003	Engine Testing - Reliability Testing (Ref. EPN-22) including eight (8) test stands with a testing capacity up to 27 hp

## 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.)

- 3.A.3 Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission from any manufacturing process, in any one hour from any point source, particulate matter in total quantities in excess of the amount determined by the relationship  $E = 4.1 (p)^{0.67}$ , where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour.

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

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

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
Entire Facility	11 Miss. Admin. Code Pt. 2, R. 6.3.A(1).	3.B.1	CO	245.0 tons per year
		3.B.2	NO <sub>x</sub>	245.0 tons per year
AA-001	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.3	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4	SO <sub>2</sub>	2.4 lbs/MMBTU
	40 CFR Part 63, Subpart ZZZZ	3.B.5	Applicability	40 CFR 63.6585(c) and 63.6590(a)(1)(iii)
		3.B.6	Compliance Requirements	40 CFR 63.6595(a)(1)
		3.B.7	CO	40 CFR 63.6603(a) and Table 2d of the Subpart.
AA-002 & AA-003	11 Miss. Admin. Code Pt. 2, R. 1.4.B(1).	3.B.8	SO <sub>2</sub>	500 ppmv
Entire Facility	40 CFR Part 63, Subpart CCCCCC	3.B.9	Applicability	40 CFR 63.11111(a) and (b), and 63.11112(a) and (b)
		3.B.10	Management Practices	40 CFR 63.11115
		3.B.11	Throughput	40 CFR 63.11116

- 3.B.1 For the entire facility, the permittee shall limit total carbon monoxide emissions to no more than 245.0 tons per year for any consecutive 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(1).)
- 3.B.2 For the entire facility, the permittee shall limit total nitrogen oxide emissions to no more than 245.0 tons per year for any consecutive 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(1).)
- 3.B.3 For Emission Point AA-001, emissions from installations equal to or greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship  $E = 0.8808 * I^{-0.1667}$ , where E is the emission rate in pounds per million BTU per hour heat input and I is the

heat input in millions of BTU per hour. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).)

- 3.B.4 For Emission Point AA-001, the maximum discharge of sulfur dioxide from any modified fuel burning unit whose generation capacity is less than 250 million BTU per hour and in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 2.4 pounds (measured in sulfur dioxide) per million BTU heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).)
- 3.B.5 For Emission Point AA-001, the permittee is subject to and shall comply with 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). (Ref.: 40 CFR 63.6585(c) and 63.6590(a)(1)(iii))
- 3.B.6 For Emission Point AA-001, the permittee shall comply with the applicable emission and operating limitations (see Condition 3.B.7 of the federally enforceable permit herein). (Ref.: 40 CFR 63.6595(a)(1))
- 3.B.7 For Emission Point AA-001, the permittee shall comply with the following emission limitations:
- (a) limit concentration of carbon monoxide (CO) in the stationary RICE exhaust to 23 ppmvd at 15 percent O<sub>2</sub>; or
  - (b) reduce CO emissions by 70 percent or more.
- (Ref.: 40 CFR 63.6603(a) and Table 2d of the Subpart)
- 3.B.8 For Emission Points AA-002 and AA-003, the permittee shall not cause or permit the emission of gas containing sulfur oxides (measured in sulfur dioxide) in excess of 500 ppm (volume) from any new process equipment. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(1).)
- 3.B.9 For the entire facility, the permittee is subject to and shall comply with 40 CFR Part 63, Subpart CCCCCC – National Emission Standard for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities. (Ref.: 40 CFR 63.11111(a) and (b))
- 3.B.10 The permittee shall, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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. As applicable, the permittee shall

keep records and submit reports in accordance with 40 CFR 63.11125(d) and 63.11126(b). (See Conditions 5.B.12 and 5.C.5 of the federally enforceable permit herein.) (Ref.: 40 CFR 63.11115)

3.B.11 For the entire facility, specifically gasoline tanks with a monthly throughput of less than 10,000 gallons, the permittee shall comply with the following requirements:

- (a) Shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
  - (1) Minimize gasoline spills;
  - (2) Clean up spills as expeditiously as practicable;
  - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
  - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- (b) Shall not be required to submit notifications or reports as specified in 40 CFR 63.11125, 63.11126, or subpart A of this part, but shall have records available within 24 hours of a request by the MDEQ to document the permittee's gasoline throughput. (See Condition 5.B.11 of the federally enforceable permit herein.)
- (c) Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section. (Ref.: 40 CFR 63.11116)

**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 & 1.19	PM/PM <sub>10</sub> /P M <sub>2.5</sub>	0.6 lbs/MMBTU or as otherwise limited by facility modification restrictions
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2 & 1.19	SO <sub>2</sub>	4.8 lbs/MMBTU or as otherwise limited by facility modification restrictions

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

3.C.2 The maximum discharge of sulfur oxides from any fuel burning installation in which the

fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R.1.4.A(1).)

## 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.
- 5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring information the following:
- (a) the date, place as defined in the permit, and time of sampling or measurements;
  - (b) the date(s) analyses were performed;
  - (c) the company or entity that performed the analyses;
  - (d) the analytical techniques or methods used;
  - (e) the results of such analyses; and
  - (f) the operating conditions existing at the time of sampling or measurement. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(1).)
- 5.A.3 Except where a longer duration is specified in an applicable requirement, the permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)
- 5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31 and January 31 for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)
- 5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) days of the time the deviation began. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2).)

- 5.A.6 Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions or their equivalents approved by the DEQ and the EPA.
- 5.A.7 The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

**B. Specific Monitoring and Recordkeeping Requirements**

Emission Point(s)	Pollutant/Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
Entire Facility	CO	Monitor and maintain monthly records.	5.B.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).
	NO <sub>x</sub>			
AA-001	General Requirements	Compliance with general requirements.	5.B.2	40 CFR 63.6605(a) and (b)
	Demonstration of Compliance	Initial performance testing/compliance demonstration.	5.B.3	40 CFR 63.6612(a), and Tables 4 and 5 of the Subpart.
		Subsequent performance testing requirements.	5.B.4	40 CFR 63.6615 and Table 3 of the Subpart.
		Performance tests and procedures.	5.B.5	40 CFR 63.6620(a)-(b), (d)-(g), and (i)
	Monitoring	Monitoring requirements.	5.B.6	40 CFR 63.6625(g) and (h), and Table 2d of the Subpart.
	Initial Compliance	Initial compliance requirements.	5.B.7	40 CFR 63.6630 (a)-(c)
	Continuous Compliance	Continuous compliance requirements.	5.B.8	40 CFR 63.6635(a)-(c)
		Continuous compliance demonstration.	5.B.9	40 CFR 63.6640(a), (b), and (e) and Table 6 of the Subpart.
	Recordkeeping	Recordkeeping requirements.	5.B.10	40 CFR 63.6655(a), (d), and (e)(3), Table 6 of the Subpart, and 63.6660
Entire Facility	Throughput	Monitoring and records retention requirements.	5.B.11	40 CFR 63.11111(e)
	Malfunctions	Recordkeeping requirements.	5.B.12	40 CFR 63.11125(d)(1) and (2)

- 5.B.1 For the entire facility, the permittee shall monitor and maintain monthly records of the type and quantity of fuel(s) used, and calculate an emission rate (based on emission factors included in the submittal received by the MDEQ on March 18, 2004) consistent with determining compliance with Conditions 3.B.1 and 3.B.2 of the federally enforceable permit herein. The permittee shall maintain these records on a monthly basis and for each consecutive 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(1).)
- 5.B.2 For Emission Point AA-001, the permittee shall comply with the applicable emission and operating limitations of 40 CFR 63, Subpart ZZZZ. At all times, the permittee shall operate and maintain the stationary RICE, including associated 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 the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (Ref.: 40 CFR 63.6605(a) and (b))
- 5.B.3 For Emission Point AA-001, the permittee shall conduct any initial performance test or other compliance demonstration (that applies) within 180 days after the compliance date that is specified for the stationary RICE (in 40 CFR 63.6595) and in accordance with provisions in 40 CFR 63.7(a)(2); in accordance with the following:
- (a) when the permittee is complying with the requirement to reduce CO emissions, measure the O<sub>2</sub> at the inlet and outlet of the control device and measure the CO at the inlet and the outlet of the control device.
  - (b) when the permittee is complying with the requirement to limit the concentration of formaldehyde or CO in the stationary RICE exhaust, select the sampling port location and the number of traverse points, determine the O<sub>2</sub> concentration of the stationary RICE exhaust at the sampling port location, measure moisture content of the stationary RICE exhaust at the sampling port location, and measure formaldehyde at the exhaust of the stationary RICE; or measure CO at the exhaust of the stationary RICE.
  - (c) initial compliance is demonstrated, when the permittee is complying with the requirement to reduce CO or formaldehyde emissions, if the average reduction of emissions of CO or formaldehyde, as applicable, determined from the initial performance test, is equal to or greater than the required CO or formaldehyde, as applicable, percent reduction.
  - (d) initial compliance is demonstrated, when the permittee is complying with the requirement to limit the concentration of formaldehyde or CO in the stationary RICE

exhaust, if the average formaldehyde or CO concentration, as applicable, corrected to 15 percent O<sub>2</sub>, dry basis, from the three test runs is less than or equal to the formaldehyde or CO emission limitation, as applicable.

(Ref.: 40 CFR 63.6612(a), and Tables 4 and 5 of the Subpart)

5.B.4 For Emission Point AA-001, the permittee shall conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first. (Ref.: 40 CFR 63.6615 and Table 3 of the Subpart)

5.B.5 For Emission Point AA-001, the permittee shall comply with the following requirements:

- (a) conduct each performance test (that applies) in accordance with Conditions 5.B.3 and 5.B.4 of the federally enforceable permit herein. (Ref.: 40 CFR 63.6620(a) and Tables 3 and 4 of the Subpart)
- (b) conduct each performance test according to the requirements specified in Condition 5.B.3 of the federally enforceable permit herein. (Ref.: 40 CFR 63.6620(b) and Table 4 of the Subpart)
- (c) conduct three separate test runs for each performance test required, as specified in 40 CFR 63.7(e)(3). Each test run shall last at least 1 hour. (Ref.: 40 CFR 63.6620(d))
- (d) use the following equation to determine compliance with the percent reduction requirement:

$$\frac{C_i - C_o}{C_i} \times 100 = R \quad (\text{Eq. 1})$$

Where:

C<sub>i</sub>= concentration of CO or formaldehyde at the control device inlet,

C<sub>o</sub>= concentration of CO or formaldehyde at the control device outlet, and

R = percent reduction of CO or formaldehyde emissions.

(Ref.: 40 CFR 63.6620(e)(1))

- (e) normalize the carbon monoxide (CO) or formaldehyde concentrations at the inlet and outlet of the control device to a dry basis and to 15 percent oxygen, or an equivalent percent carbon dioxide (CO<sub>2</sub>). If pollutant concentrations are to be corrected to 15 percent oxygen and CO<sub>2</sub> concentration is measured in lieu of oxygen concentration measurement, a CO<sub>2</sub> correction factor is needed. Calculate the CO<sub>2</sub> correction factor as described below:

- (1) calculate the fuel-specific  $F_o$  value for the fuel burned during the test using values obtained from Method 19, section 5.2, and the following equation:

$$F_o = \frac{0.209 F_d}{F_c} \quad (\text{Eq. 2})$$

Where:

$F_o$  = Fuel factor based on the ratio of oxygen volume to the ultimate  $\text{CO}_2$  volume produced by the fuel at zero percent excess air.

0.209 = Fraction of air that is oxygen, percent/100.

$F_d$  = Ratio of the volume of dry effluent gas to the gross calorific value of the fuel from Method 19,  $\text{dsm}^3/\text{J}$  ( $\text{dscf}/10^6 \text{ Btu}$ ).

$F_c$  = Ratio of the volume of  $\text{CO}_2$  produced to the gross calorific value of the fuel from Method 19,  $\text{dsm}^3/\text{J}$  ( $\text{dscf}/10^6 \text{ Btu}$ ).

- (2) calculate the  $\text{CO}_2$  correction factor for correcting measurement data to 15 percent oxygen, as follows:

$$X_{\text{co}_2} = \frac{5.9}{F_o} \quad (\text{Eq. 3})$$

Where:

$X_{\text{co}_2}$  =  $\text{CO}_2$  correction factor, percent.

5.9 = 20.9 percent  $\text{O}_2$  – 15 percent  $\text{O}_2$ , the defined  $\text{O}_2$  correction value, percent.

- (3) calculate the  $\text{NO}_x$  and  $\text{SO}_2$  gas concentrations adjusted to 15 percent  $\text{O}_2$  using  $\text{CO}_2$  as follows:

$$C_{adj} = C_d \frac{X_{\text{co}_2}}{\% \text{CO}_2} \quad (\text{Eq. 4})$$

Where:

$\% \text{CO}_2$  = Measured  $\text{CO}_2$  concentration measured, dry basis, percent.

(Ref.: 40 CFR 63.6620(e)(2))

- (f) if the permittee is to comply with the emission limitation to reduce CO and the permittee is not using an oxidation catalyst, if the permittee is to comply with the emission limitation to reduce formaldehyde and the permittee is not using NSCR, or if the permittee is to comply with the emission limitation to limit the concentration of formaldehyde in the stationary RICE exhaust and the permittee is not using an oxidation catalyst or NSCR, the permittee shall petition the MDEQ for operating limitations to be established during the initial performance test and

continuously monitored thereafter. The permittee shall not conduct the initial performance test until after the petition has been approved by the MDEQ. (Ref.: 40 CFR 63.6620(f))

- (g) if the permittee petitions the MDEQ for approval of operating limitations, the permittee shall include the information described below:
- (1) identification of the specific parameters the permittee proposes to use as operating limitations;
  - (2) a discussion of the relationship between these parameters and HAP emissions, identifying how HAP emissions change with changes in these parameters, and how limitations on these parameters will serve to limit HAP emissions;
  - (3) a discussion of how the permittee will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;
  - (4) a discussion identifying the methods the permittee will use to measure and the instruments the permittee will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and
  - (5) a discussion identifying the frequency and methods for recalibrating the instruments the permittee will use for monitoring these parameters.

(Ref.: 40 CFR 63.6620(g))

- (h) the engine percent load during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, the model number of the measurement device, and an estimate of its accurate in percentage of true value must be provided. (Ref.: 40 CFR 63.6620(i))

(Ref.: 40 CFR 63.6620(a)-(b), (d)-(g), and (i))

- 5.B.6 For Emission Point AA-001, the permittee shall comply with the following monitoring , installation, collection, operation, and maintenance requirements;

- (a) if the permittee owns or operates an existing non-emergency CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, the permittee shall comply with either paragraph (1) or paragraph (2) below. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the MDEQ to approve different maintenance requirements that are as protective as manufacturer requirements.
  - (1) install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or
  - (2) install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.
- (b) the permittee shall minimize the engine's time spent at idle during startup and minimize the 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 emission standards applicable to all times other than startup in Table 2d (see Condition 3.B.7 of the federally enforceable permit herein) of 40 CFR Part 63, Subpart ZZZZ apply.

(Ref.: 40 CFR 63.6625(g) and (h), and Table 2d of the Subpart)

5.B.7 For Emission Point AA-001, the permittee shall comply with the following initial compliance requirements:

- (a) demonstrate initial compliance with the emission and operating limitations as stated in Condition 5.B.3 of the federally enforceable permit herein. (Ref.: 40 CFR 63.6630(a) and Table 5 of the Subpart)
- (b) during the initial performance test, the permittee shall establish each operating limitation (that applies) (Ref.: 40 CFR 63.6630(b) and Table 2b of the Subpart)
- (c) shall submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6645 (see Condition 5.C.2 of the federally enforceable permit herein). (Ref.: 40 CFR 63.6630(c))

(Ref.: 40 CFR 63.6630(a)-(c))

5.B.8 For Emission Point AA-001, the permittee shall comply with emission and operating limitations by monitoring and collecting data in accordance with the following:

- (a) except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously at all times that the stationary RICE is operating.
- (b) the permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The permittee shall, however, use all the valid data collected during all other periods.

(Ref.: 40 CFR 63.6635)

5.B.9 For Emission Point AA-001, the permittee shall comply with the following requirements:

- (a) demonstrate continuous compliance with each applicable emission limitation and operating limitation (in accordance with Conditions 5.B.2 and 5.B.6 of the federally enforceable permit herein) (that applies) by conducting performance tests every 8,760 hours or 3 years, whichever comes first, for CO or formaldehyde, as appropriate, to demonstrate that the required CO or formaldehyde, as appropriate, percent reduction is achieved or that the emissions remain at or below the CO or formaldehyde concentration limit.
- (b) report each instance (deviations from the emission limitations or operating limitations in 40 CFR Part 63, Subpart ZZZZ) in which an emission limitation or operating limitation (as stated in Conditions 5.B.2 and 5.B.6 of the federally enforceable permit herein) was not met, that applies, in accordance with the requirements in 40 CFR 63.6650, as stated in Condition 5.C.3 of the federally enforceable permit herein.
- (c) report each instance in which an applicable general provision was not met.

(Ref.: 40 CFR 63.6640(a), (b), (e); Tables 6 and 8 of the Subpart)

5.B.10 For Emission Point AA-001, the permittee shall comply with the following recordkeeping requirements:

- (a) for applicable emission and operating limitations, keep the records described below:
  - (1) a copy of each notification and report that you submitted to comply with 40 CFR Part 63, Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that the permittee submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).
  - (2) records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

- (3) records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).
  - (4) records of all required maintenance performed, when applicable, on the air pollution control and monitoring equipment.
  - (5) records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), as stated in Condition 5.B.2 of the federally enforceable permit herein, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation, when applicable.
- (b) keep records to show continuous compliance with each emission or operating limitation that applies (see Condition 5.B.9 of the federally enforceable permit herein).
  - (c) keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the permittee's maintenance plan (see Condition 5.B.6 of the federally enforceable permit herein).
  - (d) records shall be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).
  - (e) as specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
  - (f) keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

(Ref.: 40 CFR 63.6655(a), (d), and (e)(3); Table 6 of the Subpart; and 63.6660)

5.B.11 The permittee shall, upon request by the MDEQ, demonstrate that their monthly throughput for each gasoline tank is less than the 10,000 gallon threshold level. The permittee shall keep records to document monthly throughput. Records required under this paragraph shall be kept for a period of five (5) years. (Ref.: 40 CFR 63.11111(e))

5.B.12 As applicable, the permittee shall keep the following records:

- (a) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.
- (b) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11115(a), including corrective actions to restore

malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(Ref.: 40 CFR 63.11125(d)(1) and (2))

**C. Specific Reporting Requirements**

Emission Point(s)	Pollutant/Parameter Monitored	Reporting Requirement	Condition Number	Applicable Requirement
Entire Facility	CO	Semiannual reporting of emissions.	5.C.1	Mississippi State Regulation APC-S-1, Section III.A.3
	NO <sub>x</sub>			
AA-001	Notifications	Notification requirements.	5.C.2	40 CFR 63.6645(a)(2), (g), and (h), and Tables 3, 4, and 5 of the Subpart
AA-001	Reports	Semiannual reporting requirements.	5.C.3 & 5.C.4	40 CFR 63.6650(a)-(c) and (f), and Table 7 of the Subpart
Entire Facility	Malfunctions	Reporting requirements.	5.C.5	40 CFR 63.11126(b)

5.C.1 For the entire facility, to demonstrate compliance with Conditions 3.B.1, 3.B.2, and 5.B.1 of the federally enforceable permit herein, the permittee shall maintain emissions inventories based on a consecutive 12-month period. A summary of this recordkeeping (as detailed in Condition 5.B.1 of the federally enforceable permit herein) shall be submitted semiannually in accordance with Condition 5.A.4 of the federally enforceable permit herein. (Ref.: APC-S-6, Section III.A.3)

5.C.2 For Emission Point AA-001, the permittee shall comply with the following notification requirements:

- (a) submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b)-(e), (g) and (h), that apply, by the dates specified.
- (b) submit a Notification of Intent to conduct a performance test (see Conditions 5.B.3 through 5.B.5 of the federally enforceable permit herein) at least 60 days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1).
- (c) submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii) for the following:
  - (1) for each initial compliance demonstration required that does not include a performance test, the permittee shall submit the

Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.

- (2) for each initial compliance demonstration required that includes a performance test conducted in accordance with Condition 5.B.4 of the federally enforceable permit herein, the permittee shall submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to 40 CFR 63.10(d)(2).

(Ref.: 40 CFR 63.6645(a)(2), (g), and (h), and Tables 3, 4, and 5 of the Subpart)

5.C.3 For Emission Point AA-001, the permittee shall comply with the following reporting requirements:

- (a) submit semiannual reports containing the following:
  - (1) if there are no deviations from any operating limitations that apply, a statement that there were no deviations from the operating limitations during the reporting period;
  - (2) if a deviation from any operating limitation occurred during the reporting period;
  - (3) if a malfunction occurred during the reporting period.
- (b) submit each report by the date specified in 40 CFR 63.6650, as stated below:
  - (1) for semiannual compliance reports, the first compliance report shall cover the period beginning on the compliance date that is specified for the affected source in Condition 3.B.6 of the federally enforceable permit herein (40 CFR 63.6595) and ending on June 30. Each subsequent compliance report shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
  - (2) for semiannual compliance reports, the first compliance report must be postmarked or delivered no later than July 31 as determined by Condition 3.B.6 of the federally enforceable permit herein (40 CFR 63.6595). Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
- (c) compliance reports must contain the information stated below:

- (1) company name and address.
- (2) statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) date of report and beginning and ending dates of the reporting period.
- (4) if a malfunction occurred during the reporting period, the compliance report shall include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.
- (5) if there are no deviations from any emission or operating limitations that apply, a statement that there were no deviations from the operating limitations during the reporting period.

(Ref.: 40 CFR 63.6650(a)-(c) and Table 7 of the Subpart)

5.C.4 Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40 CFR Part 63, Subpart ZZZZ in the semiannual monitoring report required by Condition 5.A.5 of the federally enforceable permit herein (40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A)). If an affected source submits a compliance report pursuant to Table 7 of 40 CFR Part 63, Subpart ZZZZ along with, or as part of, the semiannual monitoring report required by Condition 5.A.4 of the federally enforceable permit herein (40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A)), and the compliance report includes all required information concerning deviations from any emission or operating limitation in 40 CFR Part 63, Subpart ZZZZ, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the MDEQ. (Ref.: 40 CFR 63.6650(f) and Table 7 of the Subpart)

5.C.5 The permittee shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. (See Conditions 3.B.10 and 5.B.12 of the federally enforceable permit herein.) (Ref.: 40 CFR 63.11126(b))

## SECTION 6. ALTERNATIVE OPERATING SCENARIOS

6.1 None permitted.

## SECTION 7. TITLE VI REQUIREMENTS

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

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

persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

- 7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.
- 7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:
- (a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;
  - (b) Any person disposing of halons;
  - (c) Manufacturers of halon blends; or
  - (d) Organizations that employ technicians who service halon-containing equipment.

# APPENDIX A

## List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards For Hazardous Air Pollutants, 40 CFR 61
	or
	National Emission Standards For Hazardous Air Pollutants for Source Categories, 40 CFR 63
NMVOC	Non-Methane Volatile Organic Compounds
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound

# **APPENDIX B**

40 CFR PART 63, SUBPART ZZZZ

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR  
POLLUTANTS FOR STATIONARY RECIPROCATING  
INTERNAL COMBUSTION ENGINES (RICE)

# **APPENDIX C**

40 CFR PART 63, SUBPART CCCCCC

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR  
POLLUTANTS FOR SOURCE CATEGORY: GASOLINE  
DISPENSING FACILITIES (AREA SOURCES)