STATE OF MISSISSIPPI
AND FEDERALLY ENFORCEABLE
AIR POLLUTION CONTROL
PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT AT A SYNTHETIC MINOR SOURCE

THIS CERTIFIES THAT

MSARNG, 1108th Theater Aviation Sustainment Maintenance Group
Hanger 1 Hewes Avenue
Gulfport, Mississippi
Harrison 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 the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Krystal Rudolph

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: June 22, 2020 **Permit No.: 1460-00060**

Effective Date: As specified herein.

Expires: May 31, 2025

4869 PER20190002

Section 1.

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only.

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

2. This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.4.D.)

3. Any activities not identified in the application are not authorized by this permit.

   (Ref.: Miss. Code Ann. 49-17-29 1.b)

4. The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)

5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)

6. 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 unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)

7. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)

8. The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission.

(Ref.: Miss. Code Ann. 49-17-21)

9. Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control.

(Ref.: Miss. Code Ann. 49-17-39)

10. 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. 2.1.D(7).)

11. This permit does not authorize a modification as defined in Regulation 11 Miss. Admin. Code Pt. 2, Ch.2., "Permit Regulations for the Construction and/or Operation of Air Emission Equipment." A modification may require a Permit to Construct and a modification of this permit. Modification is defined as "Any 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 Part 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 Part 51, 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).)

B. GENERAL OPERATIONAL CONDITIONS

1. 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 Regulation, 11 Miss. Admin. Code Pt. 2, "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.10.)

2. Any diversion from or bypass of collection and control facilities is prohibited, except as provided for in 11 Miss. Admin. Code Pt. 2, R. 1.10., "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants."

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

3. Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering State waters without the proper environmental permits.

   (Ref.: Miss. Code Ann. 49-17-29 1.a(i and ii))

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

   a. Upsets

      (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., 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 by 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.)

5. Compliance Testing: Regarding compliance testing:

a. The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.

b. Compliance testing will be performed at the expense of the permittee.

c. Each emission sampling and analysis report shall include but not be limited to the following:

(1) Detailed description of testing procedures;

(2) Sample calculation(s);

(3) Results; and

(4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), and (6).)

C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION

1. For renewal of this permit, the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. If the applicant submits a timely and complete application pursuant to this paragraph and the Permit Board, through no fault of the applicant, fails to act on the application on or before the expiration date of the existing permit, the applicant shall continue to operate the stationary source under the terms and conditions of the expired permit, which shall remain in effect until final action on the application is taken by the Permit Board. Permit expiration terminates the source's ability to operate unless a timely and complete renewal application has been submitted.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.8.)

2. 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 permit or, for information claimed to be confidential, the permittee shall furnish such records to the 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. 2.2.B(15)(d).)

3. The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. 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. 2.2.B(15)(b).)

4. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:

   a. Persistent violation of any terms or conditions of this permit.

   b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

   c. A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

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

5. This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)

SECTION 2
EMISSION POINT DESCRIPTION

The permittee is authorized to operate air emissions equipment, as described in the following table.

Emission Point	Description
AA-000	Facility-wide
AA-001	Surface Coating Operations (Paint Booths No. 1 and No. 2)
AA-008	Natural Gas Space Heaters
AA-009	Degreasing Operations
AA-010	Welding Operations
AA-011	Abrasive Blasting Operations
AA-016	Fuel Transfer Operations
AA-019	Jet Engine Testing
AA-020	Hydroblasting Cleaning Unit with four (4) natural gas-fired water heaters (1.76 MMBTU/hr combined rating)
AA-021	Tactical UAS Engine Testing
AA-100	Non-emergency Compression Ignition (CI) Reciprocating Internal Combustion Engines (RICE) manufactured prior to June 12, 2006 and ≤ 300 horsepower
AA-200	Emergency CI RICE manufactured prior to June 12, 2006
AA-300	Emergency CI RICE manufactured after June 12, 2006
AA-400	Diesel or Jet- A fuel Storage Tanks

SECTION 3
EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limitation/Standard
AA-000	11 Miss. Admin. Code Pt. 2, R.1.3.B.	3.1	Opacity	≤ 40%
	11 Miss. Admin. Code Pt. 2, R.1.3.C.	3.2	PM	Nuisance Clause
AA-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.3	VOC	90.0 tons per year of VOC
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.4	HAP	9.0 tons per year of any individual HAP 23.0 tons per year of all combined HAPs
AA-008 AA-019 AA-020 AA-021 AA-100 AA-200 AA-300	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.5	Opacity	Opacity from smoke ≤ 40%
	11 Miss. Admin. Code Pt. 2, R.1.3.D(1)(a).	3.6	PM (filterable only)	0.6 lb/MMBTU
AA-008 AA-020	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.7	SO_2	4.8 lb/MMBTU
AA-100 AA-200 AA-300	40 CFR Part 63, Subpart ZZZZ-NESHAP for Stationary Reciprocating Internal Combustion Engines; 40 CFR 63.6585, 63.6590(a), 63.6590(c)(1), 63.6665, and Table 8	3.8		General Applicability
AA-300	40 CFR Part 60, Subpart IIII - NSPS for Stationary Compression Ignition Internal Combustion Engines; 40 CFR 60.4200(a)(2)-(3), 60.4218, and Table 8	3.9	$NMHC+NO_X$ HC CO PM (filterable only)	General Applicability
	40 CFR 60.4205(a), (b), (c), & (f), 60.4206, and Tables 1 and 4, Subpart IIII	3.10		Emission Standards for Emergency CI ICE
AA-100 AA-200 AA-300	40 CFR 63.6604, Subpart ZZZZ; 40 CFR 60.4207(b), Subpart IIII; and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.11	Fuel Requirement	Max sulfur content of 15ppm; Min cetane index of 40, or max aromatic content of 35%
AA-200 AA-300	40 CFR 63.6640(f), Subpart ZZZZ; 40 CFR 60.4211(f), Subpart IIII	3.12	Hours of operation	Limits on non-emergency use
AA-100 AA-200 AA-300	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	3.13		Addition of stationary CI RICE

3.1 For Emission Point AA-000 (Facility-Wide), 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, as determined by EPA Test Method 9, 40 CFR 60, Appendix A. This shall not apply to vision obscuration caused by uncombined water droplets.

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

3.2 For Emission Point AA-000 (Facility-Wide), the permittee shall not cause or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants, or property, or to be a public nuisance, or create a condition of air pollution.

Additionally, the permittee shall not cause the handling, transporting, or storage of any material in a manner, which allows or may allow unnecessary amounts of particulate matter to become airborne.

When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment and cause a nuisance to a property other than the one from which it originated or any other provision of this regulation is violated, the MDEQ may order that all air and gases or air and gas-borne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

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

3.3 For Emission Point AA-001, the permittee shall limit volatile organic compound (VOC) emissions to no more than 90.0 tons per year (TPY) as determined for each consecutive 12-month period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.4 For Emission Point AA-001, the permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.0 tons/year (TPY) of any single HAP and no more than 23.0 TPY of total combined HAPs as determined for each consecutive 12-month period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10).)

3.5 For Emission Points AA-008, AA-019, AA-020, AA-021, AA-100, AA-200 and AA-300, 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) and (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.)

3.6 For Emission Points AA-008, AA-019, AA-020, AA-021, AA-100, AA-200 and AA-300, for installations of less than 10 million BTU per hour heat input, emission of ash and/or Particulate Matter (PM) from fossil fuel burning 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).)

3.7 For Emission Points AA-008 and AA-020, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input.

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

3.8 For Emission Points AA-100, AA-200, and AA-300, the facility is subject to and shall comply with the requirements of 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants from Stationary Reciprocating Internal Combustion Engines (RICE) and the applicable requirements of Subpart A - General Provisions, as required in Table 8 to Subpart ZZZZ. A stationary RICE is existing if construction or reconstruction of the stationary RICE commenced before June 12, 2006. A stationary RICE is new if construction or reconstruction of the stationary RICE commenced on or after June 12, 2006.

For stationary RICE that are new or reconstructed, the permittee must meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart IIII. No further requirements apply for such engines under Subpart ZZZZ.

(Ref.: 40 CFR 63.6585, 63.6590(a), 63.6590(c)(1), 63.6665, and Table 8 of Subpart ZZZZ)

3.9 For Emission Point AA-300, the permittee is subject to and shall comply with the applicable requirements of 40 CFR Part 60, Subpart IIII - New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (CI ICE) and shall comply with the applicable requirements of Subpart A - General Provisions, as required in Table 8 to Subpart IIII. Engines are subject to these provisions if the permittee commenced construction after July 11, 2005, and the stationary CI ICE is manufactured after April 1, 2006, or manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006. Stationary CI ICE that are modified or reconstruction after July 11, 2005, are subject to the provisions of Subpart IIII.

(Ref.: 40 CFR 60.4200(a)(2)-(3), 60.4218, and Table 8 of Subpart IIII)

3.10 For Emission Point AA-300, the permittee shall meet the applicable standards for each emergency CI ICE as follows. The permittee shall operate and maintain the stationary CI ICE that achieve these emission standards over the entire life of the engine.

(a) For pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder, that are not fire pump engines, the permittee must comply with the emission standards in Table 1 of Subpart IIII. For pre-2007 model year emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder, that are not fire pump engines, the permittee must comply with the emission standards in 40 CFR 94.8(a)(1).

(b) For 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder, that are not fire pump engines, the permittee must comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power for the 2007 model year and later emergency stationary CI ICE.

(c) Fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in Table 4 of Subpart IIII, for all pollutants.

(d) Any modified or reconstructed emergency stationary CI ICE subject Subpart IIII must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed CI ICE that are specified in paragraphs (a) through (c) above.

(Ref.: 40 CFR 60.4205(a), (b), (c), and (f), 60.4206, Tables 1 and 4 of Subpart IIII)

3.11 For Emission Points AA-100, AA-200 and AA-300, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b), as follows:

(a) Maximum sulfur content of 15ppm.

(b) Minimum cetane index of 40 or maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 63.6604(a), Subpart ZZZZ; 40 CFR 60.4207(b), Subpart IIII; and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.12 For Emission Points AA-200 and AA-300, the engines shall be considered emergency stationary RICE provided the engines only operate in an emergency, during maintenance and testing, and in non-emergency situations for 50 hours per year as described in (c) below. If the permittee does not operate an engine according to the requirements in (a) through (c) below, the engine will not be considered an emergency engine and must meet all applicable requirements for non-emergency engines.

(a) There is no time limit on the use of an emergency stationary RICE during an emergency situation.

(b) The permittee may operate an emergency stationary RICE 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, the regional transmission organization or equivalent balancing authority and transmission operator, or insurance company associated with an engine. The permittee may petition the DEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating the federal, state, or local standards require maintenance testing of an engine beyond 100 hours per calendar year.

(c) Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (b). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(Ref.: 40 CFR 63.6640(f), Subpart ZZZZ; 40 CFR 60.4211(f), Subpart IIII)

3.13 For Emission Points AA-100, AA-200 and AA-300, the permittee may add or remove engines at any time, provided the permittee maintains facility-wide emissions below the Title V major source threshold for criteria pollutants and hazardous air pollutants and updates the list required by Condition 5.10.

(Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10).)

3.14 For Emission Point AA-400, the permittee may add or remove diesel storage tanks at any time, provided the permittee maintains facility-wide emissions below the Title V major source threshold for criteria pollutants and hazardous air pollutants and updates the tank list required by Condition 5.11.

(Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10).)

SECTION 4
WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Work Practice
AA-100	CFR 63.6603(a) and Table 2d(1), Subpart ZZZZ	4.1	HAP	Maintenance Requirements
AA-200	40 CFR 63.6603(a) and Table 2d(4), Subpart ZZZZ	4.2	HAP	Maintenance Requirements
AA-100 AA-200	40 CFR 63.6605(a) and (b), Subpart ZZZZ	4.3	HAP	General Compliance Requirements
	40 CFR 63.6625(e) and (h), 63.6640(a), and Tables 2d(1) and 6(9), Subpart ZZZZ	4.4		Operating Requirements

4.1 For Emission Point AA-100 (non-emergency, non-black start compression ignition stationary RICE ≤ 300 hp), the permittee shall comply with the following requirements:

(a) Change oil and filter every 1,000 hours of operation or annually, whichever comes first;

(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

The permittee has the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement in Table 2d of Subpart ZZZZ.

(Ref.: 40 CFR 63.6603(a) and Table 2d(1), Subpart ZZZZ)

4.2 For Emission Point AA-200, the permittee shall comply with the following requirements:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or perform an oil analysis at the same frequency in order to extend the oil change requirement in accordance with 40 CFR 63.6625(i).

(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If an engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practices according to the schedule in (a)-(c) above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.

(Ref.: 40 CFR 63.6603(a) and Table 2d(4), Subpart ZZZZ)

4.3 For Emission Points AA-100 and AA-200, the permittee shall, at all times, be in compliance with the applicable emission and operating limitations of Subpart ZZZZ and operate and maintain the engines, 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 Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the DEQ 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 sources.

(Ref.: 40 CFR 63.6605(a) and (b), Subpart ZZZZ)

4.4 For Emission Points AA-100 and AA-200, the permittee shall operate and maintain the engines according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions. The permittee shall minimize each engine's 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.

(Ref.: 40 CFR 63.6625(e) and (h), 63.6640(a), and Tables 2d(1) and 6(9), Subpart ZZZZ)

SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
AA-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	VOC/HAP	VOC/HAP Recordkeeping
AA-200 AA-300	40 CFR 63.6625(f), Subpart ZZZZ; 40 CFR 60.4209(a), Subpart IIII	5.3	Operation	Install a non-resettable hour meter
AA-100 AA-200	40 CFR 63.6655(a)(1), (2), and (5), and 63.6555(e), Subpart ZZZZ	5.4	Recordkeeping	Keep records of engine notifications, malfunctions and maintenance
AA-200 AA-300	40 CFR 63.6655(f), Subpart ZZZZ; 40 CFR 60.4214 (b), Subpart IIII	5.5	Recordkeeping	Record hours of operation of emergency engines
AA-300	40 CFR 60.4211(a), Subpart IIII	5.6	Operation	Purchase a certified engine
	40 CFR 60.4211(b), Subpart IIII	5.7	Recordkeeping	Recordkeeping requirements for engines built prior to 2007
	40 CFR 60.4211(c), Subpart IIII	5.8	Recordkeeping	Recordkeeping requirements for engines built after 2007
	40 CFR 60.4211(e), Subpart IIII.	5.9	Recordkeeping	Recordkeeping for modified or reconstructed CI RICE
AA-100 AA-200 AA-300	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.10	Recordkeeping	Maintain up-to-date list of all stationary RICE
AA-400	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.11	Recordkeeping	Maintain up-to-date list of all stationary diesel tanks

5.1 The permittee shall retain all required records, monitoring data, supporting information and reports 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 or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.9.)

5.2 For Emission Point AA-001, the permittee shall maintain the following records for each coating, adhesive, solvent or other VOC or HAP-containing material used:

(a) The identification of each coating, adhesive, solvent or other VOC or HAP-containing material and the total gallons of each coating, adhesive, solvent or other

VOC or HAP-containing material used on a monthly basis;

(b) The VOC and HAP content(s) of each coating, adhesive, solvent or other VOC or HAP-containing material used. A description of the method used to determine the content shall accompany this data;

(c) The density of each coating, adhesive, solvent or other VOC or HAP-containing material used;

(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate (in tons) for each month and the 12-month rolling totals.

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

5.3 For Emission Points AA-200 and AA-300, the permittee shall install a non-resettable hour meter if one is not already installed and prior to startup of any emergency stationary RICE brought on site.

(Ref.: 40 CFR 63.6625(f), Subpart ZZZZ; 40 CFR 60.4209(a), Subpart IIII)

5.4 For Emission Points AA-100 and AA-200, the permittee shall keep the following records:

(a) A copy of each notification and report submitted to comply with Subpart ZZZZ.

(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(c) Records of the maintenance performed on each engine to demonstrate the engine was operated and maintained in accordance to the maintenance plan.

(d) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore a malfunctioning engine to its normal or usual manner of operation.

(Ref.: 40 CFR 63.6655(a)(1), (2), and (5) and 63.6655(e), Subpart ZZZZ)

5.5 For Emission Points AA-200 and AA-300, the permittee shall keep records of the hours of operation of each emergency engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation and non-emergency operation, including the reason the engine was in operation during that time.

(Ref.: 40 CFR 63.6655(f), Subpart ZZZZ; 40 CFR 60.4214(b), Subpart IIII)

5.6 For Emission Point AA-300, the permittee shall comply with the emission standards specified in Subpart IIII by:

(a) Operating and maintaining the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(b) Changing only those emission-related settings that are permitted by the manufacturer; and

(c) Meeting the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply.

(Ref.: 40 CFR 60.4211(a), Subpart IIII)

5.7 Under Emission Point AA-300, for a pre-2007 model year stationary CI ICE or a CI fire pump engine that is manufactured prior to the model years in table 3 to Subpart IIII, the permittee must demonstrate compliance according to one of the methods specified in paragraphs (a) through (e) of this condition:

(a) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(b) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

(c) Keeping records of engine manufacturer data indicating compliance with the standards.

(d) Keeping records of control device vendor data indicating compliance with the standards.

(e) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212 as applicable.

(Ref.: 40 CFR 60.4211(b), Subpart IIII)

5.8 Under Emission Point AA-300, for a 2007 model year and later stationary CI ICE or CI fire pump engine that is manufactured during or after the model year that applies to the fire pump engine power rating in table 3 to Subpart IIII, the permittee must comply by purchasing an engine certified to the applicable emission standards, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. If the engine is not installed, configured, operated, and maintained according to the manufacturer’s specifications, the permittee must comply with 40 CFR 60.4211(g).

(Ref.: 40 CFR 60.4211(c), Subpart IIII)

5.9 For Emission Point AA-300, for a modified or reconstructed stationary CI ICE, the permittee must comply with the applicable emission standards by demonstrating compliance according to one of the methods specified below:

(a) Purchasing, or otherwise owning or operating, an engine certified to the emission standards in 40 CFR 60.4205(f), as applicable.

(b) Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR 60.4212 or 40 CFR 60.4213, as appropriate. The test must be conducted within 60 days after the engine commences operation after the modification or reconstruction.

(Ref.: 40 CFR 60.4211(e), Subpart IIII)

5.10 For Emission Points AA-100, AA-200, and AA-300, the permittee shall maintain an up-to-date list of all stationary RICE installed at the facility. The list shall identify each engine, the use of the engine (emergency/non-emergency, generator/fire pump, etc.), the size of the engine (hp), the manufactured date of the engine (or date of modification/reconstruction), the date the engine was installed at the facility, and the date the engine was removed (as applicable). The table should also identify the applicable Emission Point designation that the engine is subject to (i.e., AA-100, AA-200, or AA-300).

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

5.11 For Emission Point AA-400, the permittee shall maintain an up-to-date list of all stationary diesel/jet-A fuel storage tanks installed at the facility. Mobile refueling tanks shall not be considered stationary tanks. The list shall identify each stationary storage tank, the size of the tank (gallons), the tank orientation and roof type (e.g., vertical, fixed roof), the date the tank was installed at the facility, and the date the tank was removed (as applicable).

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

SECTION 6
REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1	Report permit deviations within five (5) working days.
		6.2	Submit certified annual monitoring report.
		6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
		6.4	Submit an annual monitoring report for VOC and HAP emissions and a summary of any changes to the storage tanks onsite
AA-100 AA-200	40 CFR 63.6640(b), 63.6650(c) and (d), Subpart ZZZZ	6.5	Deviations reporting
AA-100 AA-200 AA-300	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.6	Submit up-to-date list of stationary RICE
AA-200 AA-300	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Submit hours of operation in emergency and non-emergency situations

6.1 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) working days of the time the deviation began.

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

6.2 Except as otherwise specified herein, the permittee shall submit a certified annual synthetic minor monitoring report postmarked no later than 31st of January for the preceding calendar year. This report shall address any required monitoring specified in the permit. All instances of deviations from permit requirements must be clearly identified in the report. Where no monitoring data is required to be reported and/or there are no deviations to report, the report shall contain the appropriate negative declaration.

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

6.3 Any document required by this permit to be submitted to the MDEQ shall contain a certification signed by a responsible official stating 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. 2.2.B(11).)

6.4 For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the information required by Condition 5.2. and a summary of any added or removed storage tanks and resulting changes in the applicable regulatory requirements.

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

6.5 For Emission Points AA-100 and AA-200, the permittee shall report each instance in which the operating limit in Table 2d of 40 CFR 63, Subpart ZZZZ was not met. These instances are deviations from the emission and operating limitations of the subpart. These deviations must be reported in a compliance report which shall contain the following:

(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 during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.

(e) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(f) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(Ref.: 40 CFR 63.6640(b), 63.6650(c)&(d), Subpart ZZZZ)

6.6 For Emission Points AA-100, AA-200, and AA-300, the permittee shall submit the updated list of stationary RICE (as of December 31st) required by Condition 5.10 with the annual report required by Condition 6.4.

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

6.7 For Emission Points AA-200 and AA-300, for each emergency stationary RICE, the permittee shall report the hours spent in emergency operation (including what constituted the emergency) and the hours spent in non-emergency operation for the previous calendar year. The summary shall be submitted with the annual report required by Condition 6.4.

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