

**STATE OF MISSISSIPPI  
AND FEDERALLY ENFORCEABLE  
AIR POLLUTION CONTROL  
PERMIT**

**TO OPERATE AIR EMISSIONS EQUIPMENT AT A  
SYNTHETIC MINOR SOURCE**

**THIS CERTIFIES THAT**

MSARNG, Camp McCain Training Center  
3152 James H Bidby Road  
Elliott, Grenada County, Mississippi

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: August 3, 2021**

**Permit No.: 0960-00032**

**Effective Date: As specified herein.**

**Expires: July 31, 2026**

## 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 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 [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 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 3 – "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 Mississippi Administrative Code, Title 11, Part 2, Chapter 1, Rule 1.10 – "Provisions for Upsets, Startups, and Shutdowns".

(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, start-ups, 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 five (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 twenty-four (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 the EPA or third party enforcement actions.
- (b) Start-ups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Start-ups and shutdowns are part of normal source operation. Emission limitations apply during start-ups and shutdowns unless source specific emission limitations or work practice standards for start-ups 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

Mississippi Administrative Code, Title 11, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for start-ups and shutdowns. Source specific emission limitations or work practice standards established for start-ups 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 of 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 MDEQ within a reasonable time any information the MDEQ 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 MDEQ 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 MDEQ 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-100	Facility-Wide (MSARNG, Camp McCain Training Center)
AA-200	Facility-Wide Surface Coating Operations
AA-300	Facility-Wide Natural Gas-Fired Combustion Equipment
AA-400	Facility-Wide Propane-Fired Combustion Equipment
AA-500	Facility-Wide Welding Operations
AA-600	25,000-Gallon Jet Fuel Storage Tank
AA-700	12,000-Gallon Mogas Tank at Fuel Point
AA-800	Facility-Wide Compression Ignition Emergency Engines
AA-801	54 HP (40 kW) Diesel-Fired Emergency Engine [Manufactured Date: June 2008]
AA-802	403 HP (300 kW) Diesel-Fired Emergency Engine [Manufactured Date: July 2008]
AA-803	483 HP (360 kW) Diesel-Fired Emergency Engine [Manufactured Date: December 2010]
AA-804	67 HP (50 kW) Diesel-Fired Emergency Engine [Manufactured Date: November 2012]
AA-805	107 HP (80 kW) Diesel-Fired Emergency Engine [Manufactured Date: January 2011]
AA-806	80 HP (60 kW) Diesel-Fired Emergency Engine [Manufactured Date: June 2013]
AA-807	107 HP (80 kW) Diesel-Fired Emergency Engine [Manufactured Date: August 2015]
AA-808	402 HP (300 kW) Diesel-Fired Emergency Engine [Manufactured Date: November 2007]
AA-809	176 HP (100 kW) Diesel-Fired Emergency Engine [Manufactured Date: After 2007]
AA-900	Facility Wide Spark Ignition Emergency Engines
AA-901	70 HP (50 kW) Natural Gas-Fired Emergency Engine [Manufactured Date: October 2014]



<b>Emission Point</b>	<b>Description</b>
AB-100	Facility Wide Storage Tanks [Less Than 10,000 Gallons Each]
AB-101	Four (4) 660-Gallon Waste Oil Storage Tanks
AB-102	5,000-Gallon Diesel Storage Tank

**SECTION 3**  
**EMISSION LIMITATIONS AND STANDARDS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Limitation / Standard</b>
AA-100	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.1	Opacity	40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	3.2	PM	E = 4.1 (p <sup>0.67</sup> )
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.3	PM (filterable only)	0.6 lbs. / MMBTU
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). <b>(Title V Avoidance Limit)</b>	3.4	VOCs	90.0 tpy (Rolling 12-Month Total)
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). <b>(Major Source Avoidance Limits)</b>	3.5	HAPs	9.0 tpy (Individual) 23.0 tpy (Total) (Rolling 12-Month Totals)
AA-300	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.6	SO <sub>2</sub>	4.8 lbs. / MMBTU
AA-800 AA-900	40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines 40 CFR 63.6590(a)(2)(iii) and (c)(1); Subpart ZZZZ	3.7	HAPs	General Applicability
	40 CFR 60.4211(f)(1) – (3); Subpart III 40 CFR 60.4243(d)(1) – (3); Subpart JJJ	3.8	Operational Requirements	100 Hours / Calendar Year for Maintenance and Readiness Testing; 50 Hours / Calendar Year for Non-Emergency Situations
AA-800	40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Combustion Engines 40 CFR 60.4200(a)(2)(iii); Subpart III	3.9	NMHC + NO <sub>x</sub> THC + NO <sub>x</sub> CO PM	General Applicability
	40 CFR 60.4202(a)(2), (e)(1), 60.4205(b), 60.4206, and 60.4211(c); Subpart III	3.10	Opacity	Comply with Applicable Emission Standards
	40 CFR 60.4207(b); Subpart III 40 CFR 80.510(b); Subpart I	3.11	Diesel Fuel Requirements	15 ppm Sulfur Content (Max.); and 40 Cetane Index (Min.) or 35% Aromatic Content (Max. – by volume)

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Limitation / Standard
AA-900	40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Combustion Engines 40 CFR 60.4230(a)(4)(iv), Subpart JJJJ	3.12	NO <sub>x</sub> + HC CO	General Applicability
	40 CFR 60.4243(e); Subpart JJJJ	3.13	Fuel Alternative	Combust Propane for 100 Hours / Calendar Year
AA-901	40 CFR 60.4233(d), 60.4234, and Table 1; Subpart JJJJ	3.14	NO <sub>x</sub> + HC	10 Grams / Horsepower-Hour
			CO	387 Grams / Horsepower-Hour

3.1 For Emission Point AA-100 (Facility-Wide), the permittee shall not cause or allow the discharge into the ambient air from any point source or emission any air contaminant of such opacity to obscure an observer’s view to a degree of forty percent (40%), as determined by EPA Test Method 9 (found in Appendix A of 40 CFR Part 60).

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

3.2 For Emission Point AA-000 (Facility-Wide), except as otherwise specified herein or limited herein, the permittee shall not cause or allow the emission of particulate matter (PM) in total quantities in any one (1) hour from any manufacturing process (which includes any associated stacks, vents, outlets, or combination thereof) to exceed the amount determined by the following relationship:

$$E = 4.1 \cdot (p^{0.67})$$

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).)

3.3 For Emission Point AA-100 (Facility-Wide), the maximum permissible emission of ash and/or particulate matter (PM) from fossil fuel burning installations of less than ten (10) million BTU (MMBTU) per hour heat input shall not exceed 0.6 pounds per MMBTU per hour heat input.

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

- 3.4 For Emission Point AA-100 (Facility-Wide), the permittee shall limit the emission of volatile organic compounds (VOCs) to no more than 90.0 tons per year (tpy) based on a rolling 12-month total basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). – Title V Avoidance Limit)

- 3.5 For Emission Point AA-100 (Facility-Wide), the permittee shall limit the emission of hazardous air pollutants (HAPs) to no more than 9.0 tons per year (tpy) for any single HAP and no more than 23.0 tpy for all HAPs in total based on rolling 12-month total basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). – Major Source Avoidance Limits)

- 3.6 For Emission Point AA-300, the maximum discharge of sulfur dioxides from any fuel burning installations 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 or SO<sub>2</sub>) per MMBTU heat input.

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

- 3.7 For Emission Points AA-800 and AA-900, the permittee is subject to and shall comply with the applicable requirements found in 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). Stationary RICE is classified as “new” if construction or reconstruction commenced on or after June 12, 2006.

For stationary RICE that are new, the permittee shall comply with Subpart ZZZZ by complying with the applicable requirements found in 40 CFR Part 60, Subpart IIII (for Emission Point AA-800) and 40 CFR Part 60, Subpart JJJJ (for Emission Point AA-900). No further requirements apply for such engines under Subpart ZZZZ.

(Ref.: 40 CFR 63.6590(a)(2)(iii) and (c)(1); Subpart ZZZZ)

- 3.8 For Emission Points AA-800 and AA-900, any operation of an engine for any reason other than emergency operation, maintenance and testing, and operation in non-emergency situations for fifty (50) hours per year is prohibited. If an engine is not operated in accordance with paragraphs (a) through (c) of this condition, the engine will not be considered an emergency engine under the referenced regulation and shall meet all requirements for a corresponding non-emergency engine.

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

(b) The permittee may operate an engine for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, or the insurance company accompanied with the engine. Maintenance checks and readiness testing of an engine is limited to a maximum of one hundred (100) hours per calendar year. The permittee may

petition the MDEQ for approval of additional hours to be used for maintenance checks and readiness testing. However, a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of the engine beyond 100 hours per calendar year.

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

(Ref.: 40 CFR 60.4211(f)(1) – (3); Subpart IIII)

(Ref.: 40 CFR 60.4243(d)(1) – (3); Subpart JJJJ)

- 3.9 For Emission Point AA-800, the permittee is subject to and shall comply with all applicable requirements found in 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

(Ref.: 40 CFR 60.4200(a)(2)(iii), Subpart IIII)

- 3.10 For Emission Point AA-800, the permittee shall comply with the applicable standards for each engine:

- (a) For Emission Points AA-801, AA-804 through AA-807, and AA-809, the permittee shall comply with the following emissions standards in grams per kilowatt-hour:

Rated Power (kW)	Tier	Model Year <sup>1</sup>	NMHC + NO <sub>x</sub>	CO	PM
37 ≤ kW < 75	Tier 3	2008	4.7	5.0	0.40
75 ≤ kW < 130	Tier 3	2007	4.0	5.0	0.30

<sup>1</sup> The model years listed indicate the model years for which the specified tier of standards take effect.

Additionally, the permittee shall not discharge into the atmosphere any smoke exhaust from each emergency engine that exceeds the following opacity standards:

- (i) Twenty percent (20%) during the acceleration mode;
- (ii) Fifteen percent (15%) during the lugging mode; and
- (iii) Fifty percent (50%) during the peaks in either the acceleration or lugging modes.

- (b) For Emission Points AA-802, AA-803, and AA-808, the permittee shall comply with the following emission standards:
  - (i) Total Hydrocarbons + Nitrogen Oxides (THC + NO<sub>x</sub>): 7.8 grams per kilowatt-hour;
  - (ii) Carbon Monoxide (CO): 5.0 grams per kilowatt-hour; and
  - (iii) Particulate Matter (PM): 0.27 grams per kilowatt-hour.

Each engine shall be installed and configured in accordance with the manufacturer's emission-related specifications. Additionally, the permittee shall operate and maintain each engine in such a manner to achieve the noted emission standards over the entire life of the engine.

(Ref.: 40 CFR 60.4202(a)(2), (e)(1), 60.4205(b), 60.4206, and 60.4211(c); Subpart IIII)

- 3.11 For Emission Point AA-800, the permittee shall only use diesel fuel that meets the following requirements (on a per-gallon basis):

- (a) A maximum sulfur content of 15 parts per million (ppm); and
- (b) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent (vol.%).

(Ref.: 40 CFR 60.4207(b), Subpart IIII and 40 CFR 80.510(b), Subpart I)

- 3.12 For Emission Point AA-900, the permittee is subject to and shall comply with applicable requirements found in 40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

(Ref.: 40 CFR 60.4230(a)(4)(iv); Subpart JJJJ)

- 3.13 For Emission Point AA-900, the permittee may operate an engine using propane as an alternative fuel for a maximum of one hundred (100) hours per calendar year only during emergency operations.

(Ref.: 40 CFR 60.4243(e); Subpart JJJJ)

- 3.14 For Emission Point AA-901, the permittee shall not discharge into the atmosphere any gases that contain the following pollutants in excess of the corresponding emission standards:

- (a) Nitrogen Oxides + Hydrocarbons (NO<sub>x</sub> + HC): 10 grams per horsepower-hour; and
- (b) Carbon Monoxide (CO): 387 grams per horsepower-hour.

The permittee shall operate and maintain the engine in such a manner to achieve the referenced emission standards over the entire life of the engine.

(Ref.: 40 CFR 60.4233(d), 60.4234, and Table 1; Subpart JJJ)

**SECTION 4**  
**WORK PRACTICE STANDARDS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Work Practice Standard</b>
AA-800	40 CFR 60.4211(a); Subpart III	3.D.7	NMHC + NO <sub>x</sub> THC + NO <sub>x</sub> CO PM	Conduct Best Management Practices

4.1 For Emission Point AA-800, the permittee shall the permittee shall adhere to the following work practices:

- (a) Operate and maintain each engine and control device (if any) according to the manufacturer's emission-related written instructions;
- (b) Change only those emission-related settings that are permitted by the manufacturer; and
- (c) Meet the requirements of 40 CFR Parts 89 and/or 94 (as applicable).

(Ref.: 40 CFR 60.4211(a); Subpart III)



**SECTION 5**  
**MONITORING AND RECORDKEEPING REQUIREMENTS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Monitoring / Recordkeeping Requirement</b>
AA-100	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain Records For A Minimum of Five (5) Years
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	VOCs HAPs	Maintain Information on Coatings, Adhesives, Solvents, or Other VOC- and/or HAP-Containing Materials (Monthly)
AA-800 AA-900	40 CFR 60.4214(b), Subpart III 40 CFR 60.4245(b); Subpart JJJJ 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.3	Emergency Engine Status	Record Hours of Operation (Emergency and Non-Emergency)
	40 CFR 60.4214(a)(2)(i) – (iii); Subpart III 40 CFR 60.4245(a)(1) – (3); Subpart JJJJ 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.4	NMHC + NO <sub>x</sub> THC + NO <sub>x</sub> CO PM NO <sub>x</sub> + HC	Recordkeeping Requirements
AA-800	40 CFR 60.4211(g)(1) and (2); Subpart III	5.5	NMHC + NO <sub>x</sub> THC + NO <sub>x</sub> CO PM	Alternative Compliance Demonstrations (if the Manufacturer’s Emission-Related Written Instructions are Not Followed)
AA-900	40 CFR 4243(a)(2)(i); Subpart JJJJ	5.6	NO <sub>x</sub> + HC CO	

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” of this permit upon request.

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

5.2 For Emission Point AA-100 (Facility-Wide), the permittee shall maintain sufficient records on the following information:

- (a) The identification of each coating, adhesive, solvent, or other VOC- / HAP-containing material used;
- (b) The total volume (in gallons) of each coating, adhesive, solvent, or other VOC- / HAP-containing material used on a monthly basis;
- (c) The density (in pounds per gallon) of each coating, adhesive, solvent, or other VOC- / HAP-containing material;
- (d) The quantity (in pounds) and type of each welding wire / electrode consumed on a monthly basis;
- (e) The VOC and/or HAP content of each coating, adhesive, solvent, welding wire / electrode, or other VOC- / HAP-containing material used. A description of the method used to determine the VOC and HAP content shall accompany this data; and
- (f) The total VOC emission rate, the emission rate of each individual HAP, and the total HAP emission rate in tons both on a monthly and rolling 12-month total basis.

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

- 5.3 For Emission Points AA-800 and AA-900, the permittee shall monitor and record (via a non-resettable hour meter) the hours of operation for each engine on a monthly basis for both emergency and non-emergency service. Additionally, the permittee shall detail (in writing) and maintain what classified each occurrence as either an emergency or a non-emergency.

(Ref.: 40 CFR 60.4214(b), Subpart IIII and 40 CFR 60.4245(b); Subpart JJJJ)

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

- 5.4 For Emission Points AA-800 and AA-900, the permittee shall maintain records that detail the following information:

- (a) All notifications submitted to comply with either 40 CFR Part 60, Subpart IIII or 40 CFR Part 60, Subpart JJJJ;
- (b) Any maintenance conducted on an engine;
- (c) The manufacturer's emission-related written instructions for an engine; and
- (d) Documentation from the manufacturer that indicate an engine is certified to meet the respective emission standards specified in Condition 3.9 and 3.13).

(Ref.: 40 CFR 60.4214(a)(2)(i) – (iii); Subpart IIII and 40 CFR 60.4245(a)(1)-(3); Subpart JJJJ)

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

- 5.5 For Emission Point AA-800, if the permittee does not operate and maintain an engine in accordance with the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance with the respective emission standards specified in Condition 3.10 through the following actions:
- (a) For Emission Points AA-801, AA-804, and AA-806, the permittee shall keep a maintenance plan and records of conducted maintenance and must (to the extent practicable) maintain and operate an engine in a manner consistent with good air pollution control practice for minimizing emissions.
  - (b) For Emission Points AA-801, AA-804, and AA-806, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within one (1) year of start-up, within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer;
  - (c) For Emission Points AA-802, AA-803, AA-805, and AA-807 through AA-809, addition to paragraph (a) of this condition, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within one (1) year of start-up, or within one (1) year after an engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer.

Any required performance test shall be conducted in accordance with the procedures outlined in 40 CFR 60.4212(a) – (c); Subpart IIII (as applicable).

(Ref.: 40 CFR 60.4211(g)(1) and (2); Subpart IIII)

- 5.6 For Emission Point AA-900, if the permittee does not operate and maintain the engine in accordance with the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance with the emission standards specified in Condition 3.14 through the following actions:
- (a) Keep a maintenance plan;
  - (b) Maintain records of conducted maintenance; and
  - (c) Maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions (to the extent practicable).

(Ref.: 40 CFR 60.4243(a)(2)(i); Subpart JJJJ)

**SECTION 6  
REPORTING REQUIREMENTS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Reporting Requirement</b>
AA-100	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1	Report Permit Deviations Within Five (5) Working Days
		6.2	Submit a Certified Annual Monitoring Report (AMR)
		6.3	All Documents Submitted to MDEQ Shall Be Certified by a Responsible Official
AA-200	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.4	Submit an AMR on Surface Coating Data
AA-500	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.5	Submit an AMR on Welding Data
AA-800 AA-900	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.6	Submit an AMR on the Hours of Operation for Each Engine

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. The 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 For Emission Point AA-100 (Facility-Wide), except as otherwise specified herein, the permittee shall submit a certified annual monitoring report (AMR) postmarked no later than January 31 of each calendar year for the preceding calendar year. This report shall address any required data specified in Section 6 of this 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.

The AMR shall include the facility-wide emission rates (in tons per year) of VOCs, each individual HAP, and all HAPs in total based on a rolling 12-month total basis.

(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 Emission Point AA-200, the permittee shall submit a report in accordance with Condition 6.2 that details the following information for each coating, adhesive, solvent, or other VOC- / HAP-containing material used based on a rolling 12-month total basis:
- (a) The product name or identification;
  - (b) The volume used (in gallons);
  - (c) The VOC content (in percent by weight);
  - (d) The HAP content (in percent by weight); and
  - (e) The density (in pounds / gallon).

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

- 6.5 For Emission Point AA-500, the permittee shall submit a report in accordance with Condition 6.2 that details the following information on each welding wire and/or welding electrode based on a rolling 12-month total basis:
- (a) The quantity (in pounds) and type; and
  - (b) The HAP content (in percent by weight).

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

- 6.6 For Emission Points AA-800 and AA-900, the permittee shall submit a report in accordance with Condition 6.2 that details the hours of operation for each engine. The report shall include how many hours are spent for emergency operation, what classified the operation as an emergency, how many hours are spent for non-emergency operation, and the reason for the non-emergency operation.

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