

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

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

**THIS CERTIFIES THAT**

Camp Shelby Joint Forces Training Facility  
Highway 49 South  
Camp Shelby, 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 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**



**AUTHORIZED SIGNATURE**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Issued:** NOV 20 2019

**Permit No.: 0800-00036**

**Effective Date: As specified herein.**

**Expires: October 31, 2024**

**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. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances.

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

11. 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).)

12. 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**

6. 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.)

7. 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).)

8. 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).)

9. 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.)

10. 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 table below.

Emission Point	Description
AA-000	Entire Facility
AB-001	Facility Wide Metal Working Operations including but not limited to one, welding, cutting, forming, and handling (REF AA-013, AA-015)
AB-002	Facility Wide Miscellaneous Chemical Usage and Storage (REF AA-016)
AB-003	Facility Wide Bulk Fuel Transfer Operations (REF AA-030)
AB-004	Facility Wide Degreasing Units not to exceed 150 total units (REF AA-008)
AB-005	Facility Wide Spray-Painting Operations including but not limited to one (1) CSMS Paint Booth
AB-006	CSMS Woodworking Operations equipped with a Baghouse that vents inside the shop (REF AA-003)
AB-007	Facility Wide Engine Testing including but not limited to one (1) CSMS Engine Test Cell (1000 HP Dynamometer)
AB-008	Facility Wide Natural Gas-Fired Combustion Units with a total combined capacity of less than 175.0 MMBtu/Hr (REF AA-006, AA-007)
AB-010	Facility Wide Propane-Fired Combustion Units with a total combined capacity of less than 2.0 MMBtu/Hr (REF AA-009)
AB-011	Facility Wide Compression Ignition Stationary Reciprocating Internal Combustion Engines constructed prior to June 12, 2006 and having a horsepower (HP) rating greater than 500 HP (REF AA-001)
AB-012	Facility Wide Spark Ignition Stationary Reciprocating Internal Combustion Engines constructed prior to June 12, 2006 and having a horsepower (HP) rating less than 500 HP (REF AA-001)
AB-013	Facility Wide Compression Ignition Stationary Reciprocating Internal Combustion Engines constructed prior to June 12, 2006 and having a horsepower (HP) rating less than 500 HP (REF AA-001)
AB-014	Facility Wide Compression Ignition Stationary Reciprocating Internal Combustion Engines constructed after June 12, 2006 and having a horsepower (HP) rating greater than 500 HP (REF AA-001)
AB-015	Facility Wide Compression Ignition Stationary Reciprocating Internal Combustion Engines constructed after June 12, 2006 and having a horsepower (HP) rating less than 500 HP (REF AA-001)
AB-016	Facility Wide Mogas Storage including but not limited to two (2) 10,000 gallon storage tanks (REF AA-023, AA-024)
AB-017	Facility Wide Gasoline Storage including but not limited to one (1) 2,000 gallon storage tank (REF AA-027)
AB-018	Facility Wide JAA Fuel Storage including but not limited to two (2) 126,000 gallon, one (1) 6,000 gallon, one (1) 4,000 gallon, and two (2) 2,000 gallon storage tanks (REF AA-019 AA-020, AA-025, AA-026, AA-028, AA-029)
AB-019	Facility Wide Diesel Fuel Storage including but not limited to one (1) 5,000 gallon and (1) 100 gal storage tank
AB-020	Facility Wide Spark Ignition Stationary Reciprocating Internal Combustion Engines constructed after June 12, 2006 and having a horsepower (HP) rating less than 500 HP

**SECTION 3  
EMISSION LIMITATIONS AND STANDARDS**

<b>Emission Point</b>	<b>Applicable Requirement</b>	<b>Condition Number(s)</b>	<b>Pollutant/Parameter</b>	<b>Limitation/Standard</b>
AA-000	11 Miss. Admin. Code Pt. 2, R. 1.3.A	3.1	Opacity	Opacity from smoke from any point source shall not exceed 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2	Opacity	Opacity from contaminants from any point source shall not exceed 40%
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.3	SO <sub>2</sub>	4.8 lbs/MMBTU
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.4	PM	0.6 lbs/MMBTU
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	3.5	VOC	90.0 tons per year of VOC
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	3.6	HAP	9.0 tons per year of any individual HAP 24.0 tons per year of all combined HAPs
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	3.7	CO	90.0 tons per year of CO
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	3.8	NO <sub>x</sub>	90.0 tons per year of NO <sub>x</sub>
	40 CFR Part 63, Subpart ZZZZ- National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines; 40 CFR 63.6585	3.9	HAP	General Applicability
AB-011 AB-012 AB-013	40 CFR 63.6603(a) and Table 2d, Subpart ZZZZ	3.12		change oil and filter every 500 hours or annually; inspect air cleaner every 1,000 hours or annually; inspect all hoses and belts every 500 hours or annually
	40 CFR 63.6625(f), Subpart ZZZZ.	3.13		Install a non-resettable hour meter
	40 CFR 63.6625(h), Subpart ZZZZ	3.14		Minimize the engine's time spent at idle during startup
	40 CFR 63.6640(f), Subpart ZZZZ.	3.15		May operate RICE up to 100 hours for maintenance checks
AA-000	40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; 40 CFR 60.4200	3.10		General Applicability
AA-000	40 CFR Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines; 40 CFR 60.4230	3.11		General Applicability

AB-014 AB-015	40 CFR 60.4209(a), Subpart IIII.	3.13		Install a non-resettable hour meter
	40 CFR 60.4211(f), Subpart IIII.	3.15		May operate RICE up to 100 hours for maintenance checks
	40 CFR 60.4205(a), (b),(d), (e), (f), Subpart IIII.	3.16	NMHC+NO <sub>x</sub> / HCNO <sub>x</sub> / CO/ PM	Emission standards for CI ICE
	40 CFR 60.4207, Subpart IIII.	3.17	Sulfur	Fuel Requirements
AB-020	40 CFR 60.4237(c), Subpart JJJJ	3.13		Install a non-resettable hour meter
	40 CFR 60.4243(d) Subpart JJJJ	3.15		May operate SI ICE up to 100 hours for maintenance checks
	40 CFR 60.4233(d), Table 1, Subpart JJJJ	3.18	HC+NO <sub>x</sub> CO	Emission standards for SI ICE
AB-011 AB-012 AB-013 AB-014 AB-015 AB-020	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	3.19		The permittee may add and remove engines provided the facility-wide emission limitations are met
AA-000	40 CFR 63, Subpart CCCCCC- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	3.20	HAP	General Applicability
AB-003	40 CFR 63.11115, Subpart CCCCCC.	3.21		Use good air pollution control practices for minimizing emissions
	40 CFR 63.11116, Subpart CCCCCC.	3.22		No vapor releases to the atmosphere for extended periods of time

3.1 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.)

- 3.2 Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Condition 3.1. This shall not apply to vision obscuration caused by uncombined water droplets.

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

- 3.3 The maximum discharge of sulfur oxides from each 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).)

- 3.4 The maximum permissible emission of ash and/or particulate matter from each 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).)

- 3.5 The permittee shall limit volatile organic compound (VOC) emissions to no more than 90.0 tons/year (TPY) as determined for each consecutive 12-month period.

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

- 3.6 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 24.0 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).)

- 3.7 The permittee shall limit carbon monoxide (CO) emissions to no more than 90.0 tons per year as determined for each consecutive 12-month period.

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

- 3.8 The permittee shall limit nitrogen oxide (NO<sub>x</sub>) emissions to no more than 90.0 tons per year as determined for each consecutive 12-month period.

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

- 3.9 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 and Subpart A-General Provisions.

(Ref.: 40 CFR Part 63, Subpart ZZZZ- National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines; 40 CFR 63.6585.)

- 3.10 The permittee is subject to and shall comply with 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and to the General Provisions of 40 CFR Part 60.1 through 60.19 as listed in Table 8 of 40 CFR 60 Subpart IIII.

(Ref.: 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; 40 CFR 60.4200.)

- 3.11 The permittee is subject to and shall comply with 40 CFR Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines and 40 CFR Part 60, Subpart A - General Provisions.

(Ref.: 40 CFR Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines; 40 CFR 60.4230.)

- 3.12 For an emergency stationary RICE the permittee shall:

- (a) change oil and filter every 500 hours of operation or annually, whichever comes first,
- (b) inspect air cleaner for CI RICE and spark plugs for SI RICE 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.

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

- 3.13 The permittee shall install a non-resettable hour meter prior to startup of the engine.

(Ref.: 40 CFR 63.6625(f), Subpart ZZZZ; 40 CFR 60.4209(a), Subpart IIII; 40 CFR 60.4237(c), Subpart JJJJ.)

- 3.14 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 Tables 1a, 2a, 2c, and 2d to the subpart apply.

(Ref.: 40 CFR 63.6625(h), Subpart ZZZZ.)

- 3.15 The permittee shall operate the emergency stationary RICE/ICE in accordance with the following requirements:

- (a) There is no time limit on the use of the emergency stationary RICE/ICE in emergency situations.

- (b) The emergency stationary RICE/ICE may be operated 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 associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours/year. The permittee may petition the MDEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE/ICE beyond 100 hours/year.
- (c) The emergency stationary RICE/ICE may be operated up to 50 hours/year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours/year for non-emergency situations cannot be used for peak shaving 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 63.6640(f), Subpart ZZZZ; 40 CFR 60.4211(f), Subpart IIII; 40 CFR 60.4243(d), Subpart JJJJ.)

3.16 The permittee shall meet the applicable standards for each emergency CI ICE as follows:

- (a) For a pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder, that is not fire pump engines, the permittee must comply with the emission standards in Table 1 of 40 CFR Part 60, Subpart IIII as specified below:

Emission standards for pre-2007 model year engines with a displacement of <10 liters per cylinder in g/KW-hr (g/HP-hr)					
Maximum Engine Power g/KW-hr	NMHC+ NOX	HC	NOX	CO	PM
KW<8 (HP<11)	10.5 (7.8)			8.0 (6.0)	1.0 (0.75)
8≤KW<19 (11≤HP<25)	9.5 (7.1)			6.6 (4.9)	0.80 (0.60)
19≤KW<37 (25≤HP<50)	9.5 (7.1)			5.5 (4.1)	0.80 (0.60)
37≤KW<56 (50≤HP<75)			9.2 (6.9)		
56≤KW<75 (75≤HP<100)			9.2 (6.9)		
75≤KW<130 (100≤HP<175)			9.2 (6.9)		
130≤KW<225 (175≤HP<300)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)
225≤KW<450 (300≤HP<600)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)
450≤KW≤560 (600≤HP≤750)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)
KW>560 (HP>750)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)

For a 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 is not fire pump engines, the permittee must comply with the emission standards following, referenced from 40 CFR 94.8(a)(1).

- (1) Tier 1 standards. NOX emissions from model year 2004 and later engines with displacement of 2.5 or more liters per cylinder may not exceed the following:
  - i. 17.0 g/kW-hr when maximum test speed is less than 130 rpm.
  - ii.  $45.0 \times N^{(-0.20)}$  when maximum test speed is at least 130 but less than 2000 rpm, where N is the maximum test speed of the engine in revolutions per minute.
  - iii. 9.8 g/kW-hr when maximum test speed is 2000 rpm or more.
  
- (b) For a 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder, that is not fire pump engines, the permittee must comply with the emission standards for new nonroad CI engines in the paragraphs following, referenced from 40 CFR Part 60.4202. The permittee is subject to these standards for all pollutants, for the same model year and maximum engine power for the 2007 model year and later emergency stationary CI ICE.
  - (1) Stationary CI internal combustion engine users must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder, that are not fire pump engines, to the emission standards specified in 40 CFR 89.112 and 40 CFR 89.113 for engines with a maximum engine power greater than or equal to 37 KW (50 HP). The specifications of 40 CFR 89.112 and 40 CFR 89.113 are listed in the paragraphs following.
    - i. Exhaust emission from nonroad engines to which 40 CFR Part 89 is applicable shall not exceed the applicable exhaust emission standards contained in Table 1 of 40 CFR Part 89

Rated Power	Emission standards in g/KW-hr						
	Tier	Model Year	NOX	HC	NMHC + NOX	CO	PM
KW<8	Tier 1	2000	-	-	10.5	8.0	1.0
	Tier 2	2005	-	-	7.5	8.0	0.8
8≤KW<19	Tier 1	2000	-	-	9.5	6.6	0.8
	Tier 2	2005	-	-	7.5	6.6	0.8
19≤KW<37	Tier 1	1999	-	-	9.5	5.5	0.8
	Tier 2	2004	-	-	7.5	5.5	0.6
37≤KW<75	Tier 1	1998	9.2	-	-	-	-
	Tier 2	2004	-	-	7.5	5.5	0.4
	Tier 3	2008	-	-	4.7	5.0	0.4
75≤KW<130	Tier 1	1997	9.2	-	-	-	-
	Tier 2	2003	-	-	6.6	5.0	0.3
	Tier 3	2007	-	-	4.0	5.0	0.3
130≤KW<225	Tier 1	1996	9.2	1.3	-	11.4	0.54
	Tier 2	2003	-	-	6.6	3.5	0.2
	Tier 3	2006	-	-	4.0	3.5	0.2

225≤KW<450	Tier 1	1996	9.2	1.3	-	11.4	0.54
	Tier 2	2001	-	-	6.4	3.5	0.2
	Tier 3	2006	-	-	4.0	3.5	0.2
450≤KW≤560	Tier 1	1996	9.2	1.3	-	11.4	0.54
	Tier 2	2002	-	-	6.4	3.5	0.2
	Tier 3	2006	-	-	4.0	3.5	0.2
KW>560	Tier 1	2000	9.2	1.3	-	11.4	0.54
	Tier 2	2006	-	-	6.4	3.5	0.2

- ii. Exhaust opacity from compression-ignition nonroad engines for which 40 CFR Part 89 is applicable must not exceed 20 percent during the acceleration mode, 15 percent during the lugging mode, and 50 percent during the peaks in either the acceleration or lugging modes.
- (c) Emergency stationary CI engines with a displacement of greater than or equal to 30 liters per cylinder must meet the requirements listed below:
- (1) For engines installed prior to January 1, 2012, limit the emissions of NOX in the stationary CI internal combustion engine exhaust to the following:
    - i. 17.0 g/KW-hr (12.7 g/HP-hr) when maximum engine speed is less than 130 rpm;
    - ii.  $45 * n^{(-0.2)}$  g/KW-hr ( $34 * n^{(-0.2)}$  g/HP-hr) when maximum engine speed is 130 or more but less than 2,000 rpm, where n is maximum engine speed; and
    - iii. 9.8 g/kW-hr (7.3 g/HP-hr) when maximum engine speed is 2,000 rpm or more.
  - (2) For engines installed on or after January 1, 2012, limit the emissions of NOX in the stationary CI internal combustion engine exhaust to the following:
    - i. 14.4 g/KW-hr (10.7 g/HP-hr) when maximum engine speed is less than 130 rpm;
    - ii.  $44 * n^{(-0.23)}$  g/KW-hr ( $33 * n^{(-0.23)}$  g/HP-hr) when maximum engine speed is greater than or equal to 130 but less than 2,000 rpm and where n is maximum engine speed; and
    - iii. 7.7 g/KW-hr (5.7 g/HP-hr) when maximum engine speed is greater than or equal to 2,000 rpm.
  - (3) Limit the emissions of PM in the stationary CI internal combustion engine exhaust to 0.40 g/KW-hr (0.30 g/HP-hr).
- (d) Any modified or reconstructed emergency stationary CI ICE subject to 40 CFR Part 60, 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) of this Condition.

(Ref.: 40 CFR 60.4205(a), (b), (d) & (f), Subpart IIII.)

3.17 The permittee shall meet the following fuel requirements:

- (a) For stationary CI ICE with a displacement of less than 30 liters per cylinder that use diesel fuel, the permittee must purchase diesel fuel that meets the following requirements, referenced from 40 CFR 80.510(b):
  - (1) Sulfur content of 15 ppm maximum; minimum cetane index of 40; or maximum aromatic content of 35 volume percent.
- (b) For stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder, the permittee must use fuel that meets a maximum per-gallon sulfur content of 1,000 parts per million (ppm).

(Ref.: 40 CFR 60.4207, Subpart III.)

3.18 For Emission Point AA-020, the permittee shall comply with the emission standards in Table 1 to Subpart JJJJ. The maximum discharge of the pollutants is as follows: 10 g/HP-hr of NO<sub>x</sub>+HC and 387 g/HP-hr of CO.

(Ref.: 40 CFR 60.4233(d), Table 1, Subpart JJJJ.)

3.19 For Emission Points AB-011, AB-012, AB-013, AB-014, AB-015, and AB-020, the permittee may add or remove engines, at any time, provided the permittee meets all facility-wide emission limitations specified in Conditions 3.5, 3.6, 3.7, and 3.8.

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

3.20 The permittee is subject to and shall comply with 40 CFR Part 63 Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.

(Ref.: 40 CFR 63, Subpart CCCCCC- National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.)

3.21 The permittee shall, specifically for gasoline tanks with a monthly throughput of less than 10,000 gallons, 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).

(Ref.: 40 CFR 63.11115, Subpart CCCCCC.)

- 3.22 The permittee shall, specifically for gasoline tanks with a monthly throughput of less than 10,000 gallons, 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 40 CFR 63, Subpart A, but shall have records available within 24 hours of a request by the MDEQ to document the permittee's gasoline throughput.
  - (c) Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F-Control of Evaporative Emissions From New and In-Use Portable Fuel Containers, are considered acceptable for compliance with paragraph (a)(3) of this condition.

(Ref.: 40 CFR 63.11116, Subpart CCCCCC.)

**SECTION 4  
WORK PRACTICES**

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### SECTION 5 MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
AA-000	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1		Maintain records for a minimum of 5 years.
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	5.2	NOx CO	Monitoring and recordkeeping of fuel
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	5.3	VOC HAP	Monitoring and recording of VOC and HAP containing materials
		5.4		
AB-007	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	5.5		Record hours of operation
AB-001 AB-005 AB-006 AB-007	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	5.6		Pollution control maintenance
AB-011 AB-012 AB-013	40 CFR 63.6625(e), Subpart ZZZZ.	5.7		Operate emergency RICE according to manufacturer's instructions or develop a maintenance plan
	40 CFR 63.6655(a), Subpart ZZZZ.	5.8		Recordkeeping requirements
	40 CFR 63.6655(e), Subpart ZZZZ.	5.9		RICE maintenance records
AB-011 AB-012 AB-013 AB-014 AB-015 AB-020	40 CFR 63.6655(f), Subpart ZZZZ; 40 CFR 60.4214 (b), Subpart IIII; 60.4245(b), Subpart JJJJ	5.10		Record hours of operation
AB-014 AB-015	40 CFR 60.4211(a), Subpart IIII.	5.11		Operate emergency stationary CI ICE according to manufacturer's instructions
	40 CFR 60.4211(b), Subpart IIII.	5.12		Purchase a certified engine or demonstrate compliance by stack testing for pre- 2007- year model CI ICE
	40 CFR 60.4211(c), Subpart IIII.	5.13		Purchase a certified engine for 2007 -year-model and later CI ICE
	40 CFR 60.4211(e), Subpart IIII.	5.14		Purchase a certified engine or demonstrate compliance by stack testing for modified or reconstructed CI ICE
	40 CFR 60.4211(g), Subpart IIII.	5.15		If the engine is not installed and operated, according to the manufacturer's instructions, the permittee must conduct an initial performance test
	40 CFR 60.4212 and 60.4213, Subpart IIII.	5.16		Stack-testing must be performed according to 40 CFR 60.4212 and 60.4213

AB-020	40 CFR 60.4243(b), Subpart JJJJ	5.17		Purchase a certified engine and operate it according to manufacturer's instructions. If the engine is not operated according to the manufacturer's instructions, the permittee must keep a maintenance plan and operate the engine in a manner consistent with good air pollution control practice Purchase a non-certified engine and perform initial stack test
AB-003	40 CFR 63.11111(e), Subpart CCCCCC.	5.18	HAP	Upon request demonstrate monthly throughput < 10,000 gallons of gasoline
	40 CFR 63.11125(d)(1) and (2), Subpart CCCCCC.	5.19	HAP	Record malfunctions of operation and corrective action

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 To demonstrate compliance with the NO<sub>x</sub> and CO emission limitations, the permittee shall determine and monitor for all fuel (natural gas, propane, diesel, and JAA) combustion equipment:

- (a) The quantity of fuel used (gallons) in each calendar month;
- (b) The rated capacity (MMBtu/Hr) and fuel type of each piece of fuel burning equipment.
- (c) The total CO and NO<sub>x</sub> emissions (TPY) calculated for each consecutive 12 month period;

The permittee may utilize data supplied by the manufacturer. These records must be kept in log form and made available for review upon request during any inspection visit by the Office of Pollution Control.

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

5.3 For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used:

- (a) The quantity used (gallons);
- (b) The percentage of VOCs by weight;
- (c) The percentage of each individual HAP and total HAP by weight;
- (d) The density (lbs/gal);

The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method.

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

- 5.4 For the entire facility, the permittee shall maintain sufficient records to document:
- (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 and in each consecutive 12-month period;
  - (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 VOC and HAP 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/yr for each consecutive 12-month period.

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

- 5.5 For Emission Point AB-007 (Facility Wide Engine Testing), the permittee shall maintain records of the hours of operation for each month for each engine test cell.

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

- 5.6 For Emission Points AB-001, AB-005, AB-006, and AB-007, regular maintenance shall be performed to maintain proper operation of the pollution control equipment. The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the pollution control equipment. In the event of a failure of the pollution control equipment, the permittee shall cease operation until such time as repairs are made and the proper efficiency of the pollution control equipment is restored.

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

- 5.7 The permittee shall operate and maintain the emergency stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own 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 practice for minimizing emissions.

(Ref.: 40 CFR 63.6625(e), Subpart ZZZZ.)

5.8 The permittee shall keep the following records:

- (a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv)
- (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 performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii)
- (d) Records of all required maintenance performed on the air pollution control and monitoring equipment
- (e) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), 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 63.6655(a), Subpart ZZZZ.)

5.9 The permittee shall keep records of the maintenance conducted on the emergency 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.

(Ref.: 40 CFR 63.6655(e), Subpart ZZZZ.)

5.10 The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

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

5.11 The permittee shall comply with the emission standards specified in 40 CFR 60, Subpart III, 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

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

5.12 For a pre-2007 model year stationary CI ICE, the permittee must comply with the emission standards specified in 40 CFR 60.4205(a), and 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 III.)

5.13 For a 2007 model year and later stationary CI ICE, the permittee must comply with the emission standards specified in 40 CFR 60.4205(b), by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of 40 CFR 60.4211.

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

5.14 For a modified or reconstructed stationary CI ICE, the permittee must comply with the emission standards specified in 40 CFR Part 60.4205(f), 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 III.)

- 5.15 If the permittee does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or the permittee changes the emission-related settings in a way that is not permitted by the manufacturer, then the permittee must demonstrate compliance as follows. For a CI ICE with maximum engine power less than 500 HP must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards 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. For a CI ICE with maximum engine power greater than 500 HP, the permittee must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(Ref.: 40 CFR 60.4211(g), Subpart III.)

- 5.16 If the permittee chooses to comply with the emission standards of 40 CFR 60 Subpart III by conducting a performance tests, then the permittee must do so no later than 180 days after initial startup and according to 40 CFR 60.4212 for stationary CI ICE with a displacement of less than 30 liters per cylinder and according to 40 CFR 60.4213 for stationary CI ICE with a displacement of more than 30 liters per cylinder.

(Ref.: 40 CFR 60.4212 and 60.4213, Subpart III.)

- 5.17 For Emission Point AB-020, the permittee must demonstrate compliance according to one of the methods specified below:
- (a) Purchase an engine certified according to the procedures in Subpart JJJJ, for the same model year and demonstrate compliance according to one of the methods below.
    - (1) Operate and maintain the certified stationary SI ICE and control device according to the manufacturer's emission-related written instructions and keep records of the conducted maintenance.
    - (2) If the SI ICE is not operated and maintained according to the manufacturer's emission-related written instructions, the permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner

consistent with good air pollution control practice for minimizing emissions, but no performance testing is required.

- (b) Purchase a non-certified engine and demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d) according to 40 CFR 60.4244, as applicable, and by keeping a maintenance plan and records of conducted maintenance. The permittee must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test to demonstrate compliance.

(Ref.: 40 CFR 60.4243(b), Subpart JJJJ.)

- 5.18 The permittee shall, specifically for gasoline tanks with a monthly throughput of less than 10,000 gallons, 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.

(Ref.: 40 CFR 63.11111(e), Subpart CCCCCC.)

- 5.19 The permittee shall, specifically for gasoline tanks with a monthly throughput of less than 10,000 gallons, as applicable, 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), Subpart CCCCCC.)

## 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 5 working days.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Submit certified annual monitoring report.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	6.4	CO and NOx reporting
	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	6.5	VOC and HAP reporting
	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	6.6	Engine testing hour reporting
	40 CFR 63.6640(b), Subpart ZZZZ	6.7	Report RICE deviations from emission and operating limitations
	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	6.8	Report any addition/removal of engines and any regulatory changes
	40 CFR 63.11126(b), Subpart CCCCCC	6.9	Submit an annual report of tank malfunctions by March 15

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 following for all fuel combusted:
- (a) The quantity of fuel used (gallons) in each calendar month;
  - (b) The rated capacity (MMBtu/Hr) and fuel type of each piece of fuel burning
  - (c) The total CO and NO<sub>x</sub> emissions (TPY) calculated for each consecutive 12 month period;

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

- 6.5 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 following:
- (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used;
  - (b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used;
  - (c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used in each consecutive 12-month period;
  - (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and TPY for each consecutive 12-month period.

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

- 6.6 For Emission Point AB-007 (Facility Wide Engine Testing), the permittee shall submit annual reports to the permitting authority summarizing the total hours of operation for each engine test cell for each consecutive 12-month period.

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

- 6.7 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 information:

- (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)

- 6.8 For Emission Points AB-011, AB-012, AB-013, AB-014, AB-015, and AB-020, the permittee shall submit annual reports to the permitting authority summarizing any added or removed units and any changes in the applicable regulatory requirements.

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

- 6.9 The permittee shall, specifically for gasoline tanks with a monthly throughput of less than 10,000 gallons, by March 15 of each year, report 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 emissions limitation to be exceeded. The report shall 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.

(Ref.: 40 CFR 63.11126(b), Subpart CCCCCC.)