

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

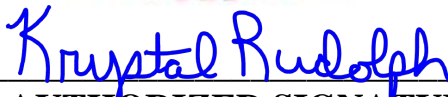
**TO OPERATE AIR EMISSIONS EQUIPMENT AT A
SYNTHETIC MINOR SOURCE**

THIS CERTIFIES THAT

Baxter Healthcare Corporation
911 North Davis Avenue
Cleveland, Mississippi
Bolivar 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: December 23, 2019

Modified: June 28, 2022

Permit No.: 0240-00052

Effective Date: As specified herein.

Expires: November 30, 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 following table.

Emission Point	Description
AA-002	No. 3 Back-up Boiler (Heat Input Capacity 29 MMBtu/hr) combusting natural gas
AA-003	No. 4 Back-up Boiler (Heat Input Capacity 29 MMBtu/hr) combusting natural gas
AA-004	No. 5 Boiler (Heat Input Capacity 44.6 MMBtu/hr) combusting natural gas or distillate fuel oil
AA-005	No. 6 Boiler (Heat Input Capacity 90.9 MMBtu/hr) combusting natural gas or distillate fuel oil
AA-006	Tubing Extrusion Process
AA-007	Wastewater Treatment Plant Chlorine Injection
AA-010	Ozone Disinfection Process
AA-011	235 HP Fire Protection Pump Engine (Heat Input Capacity 10.5 MMBtu/hr) combusting distillate fuel oil
AA-012	190 HP Sprinkler System Pump Engine (Heat Input Capacity 9.5 MMBtu/hr) combusting distillate fuel oil
AA-013	Distillate Fuel Oil Fixed Roof Storage Tank (35,000 Gallons)
AA-021	Fugitive Emissions for Intravenous (IV) Sets Assembly Operation, Manual Solvent Bonding, Area Cleaning and Solution Neutralization
AA-022	Water Tower Chlorine Injection
AA-023	605 HP Emergency Generator (Heat Input Capacity 1.54 MMBtu/hr) combusting distillate fuel oil
AA-024	Ultimate Device Assembly
AA-025	300 HP Emergency Generator (Heat Input Capacity 0.69 MMBtu/hr) combusting distillate fuel oil
AA-026	38.5 HP Emergency Generator (Heat Input Capacity 0.0683 MMBtu/hr) combusting distillate fuel oil
AA-027	55 HP Emergency Generator (Heat Input Capacity 0.133 MMBtu/hr) combusting distillate fuel oil
AA-032	Plastic Regrind #1
AA-033	Plastic Regrind #2
AA-034	Solvent Welding Operations

**SECTION 3
EMISSION LIMITATIONS AND STANDARDS**

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
Facility Wide	11 Miss Admin. Code, Pt. 2, R.1.3.A.	3.1	Smoke	Opacity shall not exceed 40%
	11 Miss Admin. Code, Pt.2, R.1.3.B.	3.2		
	11 Miss. Admin. Code, Pt.2, R.2.2.B.(10)	3.3	Fuel Requirements	Shall combust only natural gas or distillate fuel oil
		3.4		Shall combust $\leq 1,500$ MMft ³ per year natural gas Shall combust $\leq 2,850,000$ GPY No. 2 Fuel oil with a SO ₂ content ≤ 0.10 wt%
	11 Miss. Admin. Code, Pt.2, R.1.3.F.(1)	3.5	PM/PM ₁₀ (Filterable only)	$E = 4.1 * p^{0.67}$
AA-002 through AA-005 AA-011	11 Miss. Admin. Code, Pt.2, R.1.3.D.(1)(b)	3.6	PM/PM ₁₀ (Filterable only)	$E = 0.8808 * I^{-0.1667}$
AA-002 through AA-005	11 Miss. Admin. Code, Pt.2, R.1.4.A.(1)	3.7	SO ₂	Shall not exceed 4.8 lbs/MMBtu
	11 Miss. Admin. Code, Pt.2, R.2.2.B.(10) 40 CFR 63.11195, Subpart JJJJJJ (National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources)	3.8	Fuel Requirements	Shall combust only natural gas or distillate fuel oil
AA-004 AA-005	40 CFR 60.40c(a), Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units)	3.9	SO ₂	General Applicability
	40 CFR 60.42c(d), Subpart Dc	3.10	SO ₂	Emission Limitation
	40 CFR 60.43c(c), Subpart Dc	3.11	Smoke	Opacity shall not exceed 20%

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-011 AA-012 AA-023 AA-026	40 CFR 63.6585(a), Subpart ZZZZ (Standards of Performance for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)	3.12	HAP	General Applicability
	40 CFR 62.6625(f), Subpart ZZZZ	3.13	Monitoring Requirement	Install non-resettable hour meter
AA-012 AA-023 AA-025 AA-026 AA-027	11 Miss. Admin. Code, Pt.2, R.1.3.D.(1)(a)	3.14	PM/PM ₁₀ (Filterable only)	Shall not exceed 0.6 lbs/MMBtu
AA-025 AA-027	40 CFR 60.4200(c), Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines)	3.15	HAP	General Applicability
	40 CFR 60.4205(a, b), Subpart IIII	3.16		Emission Limitations
	40 CFR 60.4207(a), Subpart IIII	3.17	Fuel Requirement	Shall combust only distillate fuel oil
	40 CFR 60.4209(a), Subpart IIII	3.18	Monitoring Requirement	Install non-resettable hour meter
AA-011 AA-012 AA-023 AA-026	40 CFR 63.6585(a), Subpart ZZZZ (Standards of Performance for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)	3.17	HAP	General Applicability
	40 CFR 62.6625(f), Subpart ZZZZ	3.18	Monitoring Requirement	Install non-resettable hour meter

- 3.1. For the entire facility, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) and (b)
- a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.
 - b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour.

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

- 3.2. For the entire facility, 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. For the entire facility, the permittee shall combust only natural gas or distillate fuel oil with a Sulfur Dioxide (SO₂) content of less than or equal to 0.1 weight percent.

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

- 3.4. For the entire facility, the permittee shall limit their fuel usage to maintain NO_x and SO₂ emissions fall under the 100 ton per year thresholds. The permittee shall not exceed a natural gas usage of more than 1,500 MMft³ per year on a 12-month basis. The permittee shall only use No. 2 Fuel Oil as a backup fuel with a Sulfur Dioxide (SO₂) content of less than or equal to 0.1 weight percent and shall not exceed a usage of more than 2,850,000 gallons per year on a 12-month basis.

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

- 3.5. For the entire facility, the permittee shall not cause, permit, or allow the emission of particulate matter in total quantities in any one hour from an manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship:

$$E = 4.1 * p^{0.67}$$

Where “E” is the emission rate in pounds per hour and “p” is the process weight in tons per hour.

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

- 3.6. For Emission Points AA-002 through AA-005 and AA-011, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations greater than or equal to 10 MMBtu per hour heat input shall not exceed an emission rate as determined by the relationship:

$$E = 0.8808 * I^{-0.1667}$$

Where “E” is the emission rate in pounds per million BTU per hour heat input and “I” is the heat input in millions of BTU per hour.

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

- 3.7. For Emission Points AA-002 through AA-005, the permittee shall not exceed the maximum discharge of sulfur oxides of 4.8 pounds (measured as sulfur dioxide) per million BTU heat input from fuel burning installations in which fuel is burned to produce heat or power by indirect heat transfer.

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

- 3.8. Emission Points AA-002 through AA-005 meet the definition of gas-fired boilers, as defined in 40 CFR 63.11237, and are not subject to the requirements of 40 CFR Part 63, Subpart JJJJJ for Industrial, Commercial, and Institutional Boilers at Area Sources. The gas-fired boiler shall only burn gaseous fuels not combined with any solid fuels, and shall burn liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10) and 40 CFR 63.11195, Subpart JJJJJ)

- 3.9. For Emission Points AA-004 and AA-005, the permittee is subject to and shall comply with all applicable conditions of Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 Megawatts (MW) or less, but great than or equal to 2.9 MW.
(Ref.: 40 CFR 60.40c(a), Subpart Dc)
- 3.10. For Emission Points AA-004 and AA-005, during the combustion of distillate fuel oil, the permittee shall not cause to be discharged into the atmosphere any gases that contain SO₂ in excess of 0.5 lb/MMBtu; or, as an alternative, shall not combust oil that contains greater than 0.5 weight percent sulfur.
(Ref.: 40 CFR 60.42c(d), Subpart Dc)
- 3.11. For Emission Points AA-004 and AA-005, when firing distillate fuel oil, the permittee shall not allow the discharge into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. These standards apply at all times, except during periods of startup, shutdown, or malfunction.
(Ref.: 40 CFR 60.43c(c), Subpart Dc)
- 3.12. For Emission Points AA-011, AA-012, AA-023, AA-026, AA-025, AA-027, and AA-030 the permittee is subject to and shall comply with all applicable conditions of National Emission Standards for Hazardous Air Pollutants for Stationary Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ. These Emission Points are existing, emergency, Compression Ignition (CI), stationary, Reciprocating Internal Combustion Engines (RICE) located at an area source of Hazardous Air Pollutants (HAPs). Emission Points AA-025, AA-027, and AA-030 will show compliance with this subpart by following all applicable requirements under 40 CFR 60, Subpart IIII.
(Ref.: 40 CFR 63.6585, Subpart ZZZZ)
- 3.13. For Emission Points AA-011, AA-012, AA-023, and AA-026, the permittee shall install a non-resettable hour meter, if one is not already installed.
(Ref.: 40 CFR 63.6625(f), Subpart ZZZZ)

- 3.14. For Emission Points AA-012, AA-023, AA-025, AA-026, and AA-027, the maximum permissible emission of ash and/or particulate matter from fossil fuel-burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input.

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

- 3.15. For Emission Points AA-025 and AA-027, the permittee is subject to and shall comply with all applicable conditions of Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart III. These Emission Points are new, emergency, Compression Ignition (CI), stationary, Internal Combustion Engines (ICE) located at an area source of Hazardous Air Pollutants (HAPs).

(Ref.: 40 CFR 60.4200(c), Subpart III)

- 3.16. For Emission Points AA-025 and AA-027, the permittee shall follow the emission limits in paragraphs (a) and (b):

(a) Emission Point AA-027 is a pre-2007 emergency engine with a displacement of less than 10 liters per cylinder. As per Table 1 to Subpart III Part 60, the permittee shall limit the emission of NO_x from this emission point to no more than 6.9 g/HP-hr.

(b) Emission Point AA-025, is a 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder and shall comply with the emissions standards in 40 CFR 89.112 as per 40 CFR 60.4202(a)(2).

(Ref.: 40 CFR 60.4205(a, b), Table 1, 40 CFR 60.4202(a)(2), Subpart III)

- 3.17. For Emission Points AA-025 and AA-027, the permittee shall combust only distillate fuel oil that meets the requirements of 40 CFR 80.410(c).

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

- 3.18. For Emission Points AA-025 and AA-027, the permittee shall install a non-resettable hour meter, if one is not already installed.

(Ref.: 40 CFR 60.4209(a), Subpart III)

**SECTION 4
WORK PRACTICES**

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Work Practice
Facility Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)	4.1	VOC HAP	Operate all equipment as efficiently as possible and perform routine maintenance
AA-011 AA-012 AA-023 AA-026	40 CFR 63.6603(a), Subpart ZZZZ	4.2	HAP	Operational Requirement
	40 CFR 63.6605 Subpart ZZZZ	4.3		
	40 CFR 63.6625(h), Subpart ZZZZ	4.4		
	40 CFR 63.6640(f)(1-4), Subpart ZZZZ	4.5		
AA-025 AA-027	40 CFR 60.4206, Subpart IIII	4.6	VOC HAP	Operational Requirement
	40 CFR 60.4211(a), Subpart IIII			
	40 CFR 60.4211(f), Subpart IIII	4.7		

4.1. For the entire facility, in order to minimize the emissions of air pollutants, the permittee shall operate all air emissions equipment as efficiently as possible. Furthermore, the permittee shall perform routine maintenance on all air emissions equipment such that the equipment may be operated in an efficient manner.

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

4.2. For Emission Points AA-011, AA-012, AA-023, and AA-026, the permittee shall operate each RICE according to the requirements specified in paragraphs (a) through (c):

- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
- (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

As per 40 CFR 63.6625(j), the permittee also has the option of utilizing an oil analysis program in order to extend the above specified oil change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content.

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

- 4.3. For Emission Points AA-011, AA-012, AA-023, and AA-026, the permittee shall be in compliance with the operating limitations and other applicable requirements of this permit at all times. The permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safe and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ have been achieved.

(Ref.: 40 CFR 63.6605, Subpart ZZZZ)

- 4.4. For Emission Points AA-011, AA-012, AA-023, and AA-026, the permittee shall minimize the time spent at idle during startup and minimize the startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

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

- 4.5. For Emission Points AA-011, AA-012, AA-023, and AA-026, the permittee shall operate the engines according to the following:

- (a) Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year is prohibited;
- (b) There is no operating limit on the use of the engine during an emergency situation;
- (c) The engine may be operated for the purpose of maintenance checks and readiness testing in accordance with vendor, manufacturer, State, or Federal recommendations. Such testing is limited to 100 hours per year.
- (d) The engine may be operated up to 50 hours per year in non-emergency situations; however, those 50 hours count towards the 100 hour limit in (c) above. The 50 hours per year for non-emergency operation cannot be used to cover the power usage provisions outlined in 63.6640(f)(4).

(Ref.: 40 CFR 63.6640(f)(1-4), Subpart ZZZZ)

- 4.6. For Emission Points AA-025 and AA-027, the permittee shall operate and maintain the engines according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, over the entire life of the engines. In addition, the permittee may only change those settings that are permitted by the manufacturer.

(Ref.: 40 CFR 60.4206, and 40 CFR 60.4211(a), Subpart III)

- 4.7. For Emission Points AA-025 and AA-027, the permittee shall operate the engines according to the following:

- (a) There is no operating limit on the use of the engine during an emergency situation;
- (b) The engine may be operated for a maximum of 100 hours per year for any combination of the purposes specified in 40 CFR 60.4211(f)(2)(i-iii). Any operation for non-emergency situations as allowed by (c) of this section counts as part of the 100 hours per calendar year allowed;
- (c) The engine may be operate 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 and emergency response provided in (b). Except as provided in 40 CFR 60.4211(f)(3)(i), 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 an electric grid or otherwise supply power as part of a financial agreement with another entity.

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

**SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS**

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)	5.2	NO _x SO ₂	Maintain log of fuel usage
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)	5.3		
AA-002 AA-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.4	Recordkeeping	Maintain operational log
AA-004 AA-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)a	5.5	NO _x SO ₂	Maintain log of distillate fuel oil usage
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)			
	40 CFR 60.46c(e), Subpart Dc	5.6	SO ₂	Monitoring
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)	5.7	Opacity	Conduct daily Visual Emission Evaluations
AA-011 AA-012 AA-023 AA-026	40 CFR 63.6655((a),(d), and (e)), Subpart ZZZZ	5.8	HAP	Recordkeeping
	40 CFR 63.6660(a)-(c), Subpart ZZZZ	5.9		Recordkeeping
AA-025 AA-027	40 CFR 60.4214(b), Subpart IIII	5.10	HAP	Recordkeeping

5.1. The permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request.

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

- 5.2. For the entire facility, the permittee shall maintain a log of the total amount of natural gas combusted as well as the total amount of distillate fuel oil combusted per year on a 12-month rolling basis.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.3. The permittee shall maintain certifications from the fuel supplier to demonstrate compliance with the distillate fuel oil sulfur limits in Condition 3.4.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.4. For Emission Points AA-002 and AA-003, the permittee shall maintain a log of the date, time, and duration that any of the back-up boilers are operated.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.5. For Emission Points AA-004 and AA-005, the permittee shall maintain a log of the date, duration (in hours), and amount of distillate fuel oil combusted for each occurrence during the calendar year and shall note the reason that distillate fuel oil was combusted (e.g., maintenance test, natural gas curtailment, etc.).
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.6. For Emission Points AA-004 and AA-005, the permittee shall be exempt from all monitoring requirements by demonstrating compliance with the fuel supplier certifications in Condition 6.4.
(Ref.: 40 CFR 60.46c(e), Subpart Dc)
- 5.7. For Emission Points AA-004 and AA-005, the permittee shall conduct daily Visual Emission Evaluations (VEE's) utilizing EPA Method 9 of 40 CFR Part 60 Appendix A during periods of firing distillate fuel oil.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.8. For Emission Points AA-011, AA-012, AA-023, and AA-026, the permittee shall keep the records listed below:
- (a) A copy of each notification and report submitted by the permittee that comply with Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that is 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.
- (f) The permittee shall keep the records required in Table 6 of Subpart ZZZZ to show continuous compliance with each emission and operating limitation.
- (g) The permittee shall keep records of the maintenance conducted on the existing stationary RICE in order to demonstrate that the Emission Points were operated and maintained according to the maintenance plan.
- (h) The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the event as an emergency, and how many hours are non-emergency operations.

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

- 5.9. For Emission Points AA-011, AA-012, AA-023, and AA-026, records shall be kept in a form suitable and readily available for expeditious review. Each record shall be kept readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

(Ref.: 40 CFR 63.6660, Subpart ZZZZ)

- 5.10. For Emission Points AA-025 and AA-027, the permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(Ref.: 40 CFR 60.4214(b), Subpart III)

SECTION 6 REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1	Report permit deviations within five (5) working days.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Submit certified semi-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.
	40 CFR 60.48c((e)(11) , (f)(1), and (c)(j)) 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)	6.4	Submit semi-annual fuel supplier certifications
AA-004 AA-005	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.5	Submit semi-annual fuel logs

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 semi-annual synthetic minor monitoring report postmarked no later than the 30th day of January and July for the preceding six-month period.. 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. The permittee shall submit a report to MDEQ that includes the calendar dates covered in the reporting period and records of fuel supplier certifications. A fuel supplier certification shall include the following information:

For distillate fuel oil:

- (a) The name of the supplier of the fuel
- (b) A statement from the supplier that the fuel complies with the specifications under the definition of distillate oil in 40 CFR 60.41c and complies with the permit specification of 0.10 wt.% sulfur.
- (c) The sulfur content of the fuel.

For other fuels:

- (a) The name of the supplier of the fuel;
- (b) The potential sulfur emissions rate or maximum potential sulfur emissions rate of fuel in ng/J heat input; and
- (c) The method used to determine the potential sulfur emissions rate of the fuel.

In addition to records of fuel supplier certification, the report shall include a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

The reporting period for the periods required under 40 CFR 60.48c is each six month period. All reports shall be submitted to MDEQ and shall be postmarked by the 30th day of January and July for the preceding six-month period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11), 40 CFR 60.48c((c), (e)(11), (f)(1), (f)(4), (j)), Subpart Dc)

- 6.5. For Emission Points AA-004 and AA-005, the permittee shall submit semi-annual fuel logs required by Condition 5.5 in accordance with Condition 6.2. If no distillate fuel is burned during the six month period than the permittee shall send a negative certification statement that states no distillate fuel was used in the emission point.

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