

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

PERMIT

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

THIS CERTIFIES THAT

Forrest County General Hospital
423 South 28th Avenue
Hattiesburg, Mississippi
Forrest County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with 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: OCT 04 2018

Permit No.: 0800-00106

Effective Date: As specified herein.

Expires: SEP 30 2023

34904 PER20160001

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 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 40CFR 51.66;
 - e. An increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or
 - f. Any change in ownership of the stationary source.

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

B. GENERAL OPERATIONAL CONDITIONS

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

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

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

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

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

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

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

a. Upsets

- (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:
 - (i) An upset occurred and that the source can identify the cause(s) of the upset;
 - (ii) The source was at the time being properly operated;
 - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;
 - (iv) That within 5 working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;
 - (v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.
- (2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.
- (3) This provision is in addition to any upset provision contained in any applicable requirement.
- (4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.

b. Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)

- (1) Startups and shutdowns are part of normal source operation. Emission

limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.

- (2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).
- (3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

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

5. Compliance Testing: Regarding compliance testing:

- a. The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.
- b. Compliance testing will be performed at the expense of the permittee.
- c. Each emission sampling and analysis report shall include but not be limited to the following:
 - (1) Detailed description of testing procedures;
 - (2) Sample calculation(s);
 - (3) Results; and
 - (4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

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

C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION

1. For renewal of this permit, the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. If the applicant submits a timely and complete application pursuant to this paragraph and the Permit Board, through no fault of

the applicant, fails to act on the application on or before the expiration date of the existing permit, the applicant shall continue to operate the stationary source under the terms and conditions of the expired permit, which shall remain in effect until final action on the application is taken by the Permit Board. Permit expiration terminates the source's ability to operate unless a timely and complete renewal application has been submitted.

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

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

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

3. The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

4. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:
 - a. Persistent violation of any terms or conditions of this permit.
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - c. A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

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

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

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

**SECTION 2
EMISSION POINT DESCRIPTION**

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

Emission Point	Description
AA-100	Facility-wide (Forrest County General Hospital)
AA-001	Diesel fired, (2500 kW) 3634 hp Hospital Power Plant Generator #1 – 2006 (E-18)
AA-002	Diesel fired, (2500 kW) 3634 hp Hospital Power Plant Generator #2 – 2006 (E-19)
AA-003	Diesel fired, (2500 kW) 3634 hp Hospital Power Plant Generator #3 – 2006 (E-20)
AA-004; AA-005; AA-006; AA-007	4- Power Plant Diesel Fuel Tanks with the capacity of 12,000 gallons each (E-21)
AA-008	5 – Power Plant Diesel Fuel Tanks with a capacity of 200 gallons each - 2006 (E-21)
AA-009	Fire Pump Diesel Fuel Storage Tank with a capacity of 550 gallons – 2013 (E-21)
AA-010	Generator Diesel Fuel Storage Tank with a capacity of 3,000 gallons – 1985 (E-21)
AA-011	2 – Generator Diesel Fuel Storage Tanks with a capacity of 600 gallons each – 2006 (E-21)
AA-012	Gasoline Tank with a capacity of 300 gallons – 1998 (E-21)
AA-013	Clinic Generator Diesel Fuel Storage Day Tank with a capacity of 100 gallons – 1998 (E-21)
AA-014	Support Services Diesel Fuel Storage Day Tank with a capacity of 2,000 gallons – 2007 (E-21)
AA-015	Boiler Diesel Fuel Storage Tank with a capacity of 12,000 gallons – 2013 (E-21)
AA-016	2 – 800kW Genset Diesel Fuel Storage Day Tank with a capacity of 200 gallons – 2013 (E-21)
AA-101a	Natural gas fired, 2.0 MMBTU/hr Cancer Clinic Boiler (Boiler No. 1) – 2016 (E-1)
AA-101b	Natural gas fired, 2.0 MMBTU/hr Cancer Clinic Boiler (Boiler No. 2) – 2000 (E-2)
AA-102a	Dual-fired, 20.4 MMBTU/hr Hospital Boiler Room (Boiler No. 3) – 2002 (E-3)
AA-102b	Dual-fired, 20.4 MMBTU/hr Hospital Boiler Room (Boiler No. 4) – 2002 (E-4)
AA-102c	Dual-fired, 20.4 MMBTU/hr Hospital Boiler Room (Boiler No. 5) – 2002 (E-5)
AA-103	Cafeteria Equipment 2.0 MMBTU/hr total for Grills, Fryers, Kettles, etc. rated less than 0.1 MMBTU/hr each (E-6)
AA-104	Hospital Laundry Dryer 0.204 MMBTU/hr - 2006 (E-7)

Emission Point	Description
AA-105	Natural gas fired, 0.4 MMBTU/hr Cancer Clinic Water Heater – 2006 (E-8)
AA-106	(4) Natural gas fired, 0.2 MMBTU/hr Decontamination Building Water Heaters – 2015 (E-9)
AA-107	Natural gas fired, 0.5 MMBTU/hr Decontamination Building Boiler – 2015 (E-10)
AA-108	Diesel fired, (151 kW) 202 hp Cancer Clinic Emergency Backup Generator – pre 2006 (E-11)
AA-109	Diesel fired, (688 kW) 923 hp Support Services Building Emergency Backup Generator – 2007 (E-12)
AA-110a	Diesel fired, (905 kW) 1214 hp Hospital Emergency Backup Generator No. 1 – 2012 (E-13)
AA-110b	Diesel fired, (905 kW) 1214 hp Hospital Emergency Backup Generator No. 2 – 2012 (E-14)
AA-111a	Diesel fired, (1120 kW) 1502 hp Hospital Emergency Backup Generator No. 3 – pre 2006 (E-15)
AA-111b	Diesel fired, (1120 kW) 1502 hp Hospital Emergency Backup Generator No. 4 – pre-2006 (E-16)
AA-112	Diesel fired, (97 kW) 130 hp Fire Water Diesel Pump – 1995 (E-17)
AA-113	Woodworking Shop Dust Collectors (E-22)
AA-114	4 Chamber Cooling Tower (E-23)
AA-115	Paint Booth (E-24)
AA-116	Shop Parts and Tool Washer(s) (E-25)
AA-117	Gasoline Dispensing Unit (E-26)

**SECTION 3
EMISSION LIMITATIONS AND STANDARDS**

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-100	11 Miss. Admin Code Pt. 2, R. 1.3.A(1) and (2).	3.1	Opacity	40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2		
AA-100	11 Miss. Admin. Code Pt. 2, R. 1.3.C.	3.3	PM	General Nuisances
AA-101a; AA-101b; AA-103; AA-104; AA-105; AA-106; AA-107; AA-108; AA-109; AA-110a; AA-110b; AA-112	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.4	PM	0.6 pounds per MMBTU per hour heat input
AA-102a; AA-102b; AA-102c; AA-111a; AA-111b; AA-001; AA-002; AA-003	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.5	PM	$E = 0.8808 * I^{-0.1667}$
AA-113 AA-115	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1)	3.6	PM	$E = 4.1p^{0.67}$
AA-100	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.7	SO ₂	4.8 pounds per MMBTU heat input
AA-100	11 Miss. Admin. Code Pt. 2, R. 1.4.B(1).	3.8	SO ₂	500 ppm (volume)
AA-100	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.9	NO _x	<= 99.0 Tons per year(tpy)

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-102a AA-102b AA-102c	40 CFR 60.40c(a), 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial, Commercial, and Institutional Steam Generating Units)	3.10		Applicability
	40 CFR 60.42c(c) and (d)	3.11	SO ₂	0.50 pounds per MMBTU heat input or 0.5 weight percent sulfur
AA-102a AA-102b AA-102c	11Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.12	Fuel Oil / Diesel Fuel Operational Requirement	48 Hours per Calendar Year (per Affected Source)
AA-109; AA-110a; AA-110b; AA-001; AA-002; AA-003	40 CFR 63.6590(c); 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)	3.13	HAP's	Applicability
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	40 CFR 60.4200(a)(3); 40 CFR Part 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines)	3.14	NMHC+NOx CO PM	Applicability

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-109; AA-110a; AA-110b; AA-001; AA-002; AA-003	40 CFR 60.4207(b), Subpart III 40 CFR 80.510	3.15	Diesel Fuel Requirement	<= 15 ppm Sulfur Content (Max.) 40 Cetane Index ≥ 40; or aromatic content ≤ 35 volume percent
AA-109 AA-110a AA-110b	40 CFR 60.4202(a)(2) and 40CFR 60.4205(b), Subpart III 40CFR 89.112	3.16	NMHC + NO _x NO _x HC CO PM	Emission Standards
AA-001 AA-002 AA-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). Permit to Construct issued December 19, 2012	3.17	Operating Hours PM SO ₂ NO _x CO VOC PM ₁₀	<= 700 Hours per generator per 365 day rolling year 0.101tpy of PM 0.51 tpy of SO ₂ ; 14.16 tpy of NO _x ; 1.15 tpy of CO; 0.280 tpy of VOC; 0.081 tpy of PM ₁₀
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	40 CFR 60.4211(a)(1–3), Subpart III	3.18		Manufacturer's Emission Related Control Devices
AA-001 AA-002 AA-003	40 CFR 60.4204(a) and Table 1 to Subpart III	3.19	HC NO _x CO PM	Emission Standards

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-117	40 CFR Part 63, Subpart CCCCCC (National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities)	3.20	HAP's	Applicability
AA-117	40 CFR 63.11111(b) and (i)	3.21	Maximum Gasoline Throughput	10,000 Gallons per Month
AA-108 AA-109 AA-110a AA-110b AA-111a AA-111b AA-112	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	3.22	Operating Hours	<= 500 Hours per generator per 365 day rolling year

- 3.1 For Emission Point AA-100 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. Start-up operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per start-up in any one hour and not to exceed three (3) start-ups in any twenty-four (24) hour period.

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

- 3.2 For Emission Point AA-100 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 Emission Point AA-100, the permittee shall not cause, permit, or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants or property, or to be a public nuisance, or create a condition of air pollution.

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

- 3.4 For Emission Points AA-101a, AA-101b, AA-103, AA-104, AA-105, AA-106, AA-107, AA-108, AA-109, AA-110a, AA-110b, and AA-112, the maximum permissible emissions 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).)

- 3.5 For Emission Points AA-102a, AA-102b, AA-102c, AA-111a, AA-111b, AA-001, AA-002, and AA-003, the permittee shall maintain a maximum permissible emission of ash and/or Particulate Matter, from installations equal to or greater than 10 million BTU per hour heat input but less than or equal to an emission rate as determined by the relationship, $E = 0.8808 * I^{-0.1667}$, where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour.

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

- 3.6 For Emission Point AA-113 and AA-115, the permittee shall limit the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship $E = 4.1p^{0.67}$.

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

- 3.7 For Emission Point AA-100, the permittee shall maintain a maximum discharge of Sulfur Dioxide less than or equal to 4.8 lbs/MMBTU from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer.

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

- 3.8 For Emission Point AA-100, the permittee shall limit the emission of gas containing sulfur oxides (measured as sulfur dioxide) in excess of 2,000 ppm (volume) from any process equipment in existence on January 25, 1972, or in excess of 500 ppm (volume) from any process equipment constructed after January 25, 1972.

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

- 3.9 For Emission Point AA-100, the permittee shall limit NO_x emissions to no more than 99.0 tons per year as determined for each consecutive 12-month rolling period.

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

- 3.10 Emission Points AA-102a, AA-102b, and AA-102c, are subject to and shall comply with applicable requirements within 40 CFR Part 60, Subpart Dc – Standard of Performance for Small Industrial, Commercial, and Institutional Steam Generating Units.

(Ref: 40 CFR 60.40c(a))

- 3.11 For Emission Points AA-102a, AA-102b, and AA-102c, the permittee shall not discharge into the atmosphere any gases that contain sulfur dioxide (SO₂) in excess of 0.50 pounds per million BTU (MMBTU) heat input from oil; or as an alternative, the permittee shall not combust oil that contains greater than 0.5 weight percent sulfur.

The referenced SO₂ emission limit shall apply at all times, including periods of start-up, shutdown, and malfunction.

(Ref: 40 CFR 60.42c(d) and 40 CFR 60.42c(i))

- 3.12 For Emission Points AA-102a, AA-102b, and AA-102c, the permittee shall limit operation of the affected sources with liquid fuel to periods of gas curtailment, gas supply interruption, startups, or operator training. Periodic testing, maintenance, or operator training on 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).)

3.13 Emission Points AA-109, AA-110a, AA-110b, AA-001, AA-002, and AA-003, are subject to and shall comply applicable requirements within 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

(Ref: 40 CFR 63.6590(c))

3.14 Emission Points AA-109, AA-110a, AA-110b, AA-001, AA-002, and AA-003, are subject to and shall comply with applicable requirements within 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

(Ref: 40 CFR 60.4200(2)(i))

3.15 For Emission Points AA-109, AA-110a, AA-110b, AA-001, AA-002, and AA-003, the permittee shall use diesel fuel that meets the following requirements (on a per-gallon basis):

- (a) A maximum sulfur content of less than or equal to 15 ppm;
- (b) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

(Ref: 40 CFR 60.4207(b) and 40 CFR 80.510(b))

3.16 For Emission Points AA-109, AA-110a, and AA-110b, the permittee shall comply with the emission standards (in grams per kilowatt-hour) in the following table that corresponds with each affected source:

Rated Power (kW)	Tier	Model Year¹	NO_x	HC	NMHC + NO_x	CO	PM
225 ≤ kW ≤ 450	Tier 2	2001	---	---	6.4	3.5	0.20
450 ≤ kW ≤ 560	Tier 2	2002	---	---	6.4	3.5	0.20
kW > 560	Tier 2	2006	---	---	6.4	3.5	0.20

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

(Ref: 40 CFR 60.4205(b), 40 CFR 60.4202(a)(2), 40 CFR 60.4206, 40 CFR 89.112 – Table 1)

3.17 For Emission Points AA-001, AA-002, and AA-003, the permittee shall comply with the following requirements:

Generator Emission Point Number	Operating Hours per Year	PM (lbs/hr, tpy)	SO ₂ (lbs/hr, tpy)	NO _x (lbs/hr, tpy)	CO (lbs/hr, tpy)	VOC (lbs/hr, tpy)	PM ₁₀ (lbs/hr, tpy)
AA-001	<= 700	0.288, 0.101	1.470, 0.51	40.47, 14.16	3.285, 1.15	0.801, 0.280	0.230, 0.081
AA-002	<=700	0.288, 0.101	1.470, 0.51	40.47, 14.16	3.285, 1.15	0.801, 0.280	0.230, 0.081
AA-003	<=700	0.288, 0.101	1.470, 0.51	40.47, 14.16	3.285, 1.15	0.801, 0.280	0.230, 0.081

(Ref: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). ;Permit to Construct issued December 19, 2012)

3.18 Emission points AA-109, AA-110a, AA-110b, AA-001, AA-002 and AA-003 are subject to and shall comply with the emission standards specified in 40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(Ref: 40 CFR 60.4211(a)(1–3))

3.19 For Emission Points AA-001, AA-002, and AA-003, the permittee shall comply with the emission standards (in grams per kilowatt-hour) in the following table that corresponds with each affected source:

Rated Power (kW)	Model Year	NO _x	HC	NMHC + NO _x	CO	PM
KW > 560	2006	9.2	1.3	---	11.4	0.54

(Ref: 40 CFR 60.4204(a) and Table 1 to 40 CFR Part 60 Subpart III)

3.20 Emission Point AA-117 is subject to and shall comply with applicable requirements within 40 CFR 63, Subpart CCCCCC – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.

(Ref: 40 CFR 63.11111(a))

3.21 For Emission Point AA-117, the permittee shall limit the maximum gasoline throughput to less than 10,000 gallons per month.

(Ref: 40 CFR 63.11111(b) and 40 CFR 63.11111(i))

3.22 For Emission Points AA-108, AA-109, AA-110a, AA-110b, AA-111a, AA-111b, AA-112, the permittee shall limit the maximum number of operating hours to less than or equal to 500 hours per generator per 365 day rolling year.

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

**SECTION 4
WORK PRACTICES**

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Work Practice
AA-117	40 CFR Part 63.11116(a), Subpart CCCCCC	4.1	HAP's	Minimization of Vapor Releases
AA-117	40 CFR Part 63.11115(a), Subpart CCCCCC	4.2	HAP's	Best Management Practices
AA-113	11 Miss. Admin. Code Pt. 2, R. 1.3.F.(1)	4.3	PM	Best Management Practices
AA-115	11 Miss. Admin. Code Pt. 2, R. 1.3.F.(1)	4.4	PM	Best Management Practices

4.1 For Emission Point AA-117, the permittee 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 practices:

- (a) Minimize gasoline spills;
- (b) Clean up spills as expeditiously as practicable;
- (c) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
- (d) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

(Ref: 40 CFR 63.11116(a))

4.2 For Emission Point AA-117, the permittee must operate and maintain the affected sources, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times. 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 affected sources.

(Ref: 40 CFR 63.11115(a))

- 4.3 For Emission Point AA-113, the permittee shall utilize dust collectors at all times during material processing.

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

- 4.4 For Emission Point AA-115, the permittee shall utilize arrestor filters at all times during paint booth activities.

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

**SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS**

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
AA-100	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
AA-100	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	NO _x	Monitor and Maintain Emissions Data
AA-102a AA-102b AA-102c	40 CFR 60.42c(h)(1); 40 CFR 60.44c(h); 40 CFR 60.46(e); 40 CFR 60.48 c(i) Subpart Dc	5.3	SO ₂	Maintain fuel certification records.
AA-102a AA-102b AA-102c	40 CFR Part 60.48c(g)(2), Subpart Dc	5.4	SO ₂	Record Daily Consumption of Each Fuel Combusted
AA-102a AA-102b AA-102c	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.5	Fuel Log	Record Hours of Liquid Fuel Combusted
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	40 CFR Part 60.4214(b), Subpart III	5.6	HAP's	Record Hours of Operation (Emergency and Non-Emergency)
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.7	Operating Time	Record Hours of Operation (Emergency and Non-Emergency)
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	40 CFR Part 60.4211(g)(2-3), Subpart III	5.8	Manufacturer's Specifications	Compliance Demonstration Actions

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/ Recordkeeping Requirement
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	40 CFR Part 60.4211(c), Subpart III 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.9	NMHC + NOX CO PM	Engine Certification
AA-109 AA-110a AA-110b AA-001 AA-002 AA-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.10	NMHC + NOX CO PM	Fuel Certification
A-117	40 CFR 63.11111(b), 40CFR 63.11116(a), Subpart CCCCCC	5.11	HAP's	Record Monthly Cumulative Throughput and Each Malfunction

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 (Emission Point AA-100), the permittee shall demonstrate compliance with the nitrogen oxides (NO_x) emission limit referenced in Condition 3.9 by monitoring cumulative NO_x emissions on a rolling consecutive 12-month period. Additionally, the permittee shall maintain monthly records that detail NO_x emissions (in rolling tons per year) and include all reference data utilized to validate the calculated emissions (applicable emission factors, engineering judgement determinations, etc.).

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

5.3 For Emission Points AA-102a, AA-102b, AA-102c, the permittee shall demonstrate compliance with the sulfur dioxide (SO₂) emission limit referenced in Condition 3.11 by maintaining certification records from any applicable fuel supplier(s) to demonstrate the sulfur content for every utilized fuel.

The maintained certification(s) may also serve as an approved substitute for the required performance testing guidelines promulgated in 40 CFR 60.44c(a), (b), (c), and (e).

Additionally, the monitoring requirements specified in 40 CFR 60.46c(a) through (d) shall not apply to the permittee if compliance with the referenced SO₂ emission limit is demonstrated through the outlined fuel supplier certification(s).

(Ref: 40 CFR 60.42c(h)(1) and (4), 40 CFR 60.44c(h), 40 CFR 60.46c(e), Subpart Dc)

- 5.4 For Emission Points AA-102a, AA-102b, and AA-102c, the permittee shall record and maintain records of the amount of each fuel combusted during each calendar month.

(Ref: 40 CFR 60.48c(g)(2), Subpart Dc)

- 5.5 For Emission Points AA-102a, AA-102b, and AA-102c, the permittee shall record and maintain records of the hours that liquid fuel was combusted during each calendar month.

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

- 5.6 For Emission Points AA-001, AA-002, AA-003, AA-109, AA-110a, and AA-110b, the permittee shall maintain records denoting the operation of the affected sources in emergency and non-emergency service that are recorded through a non-resettable meter on a monthly basis. The permittee shall also record the time of operation of the affected source and the reason the affected source was in operation during that time.

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

- 5.7 For Emission Points AA-001, AA-002, AA-003, AA-108, AA-109, AA-110a, AA-110b, and AA-112, the permittee shall comply with Condition 3.22 and the Operating Hours per Year of Condition 3.17 by keeping a daily written log of the hours of operation for each generator. For each day of no operation for each generator, the permittee shall record a negative declaration. Also, the permittee shall record daily the hours of operating time for each generator in units of hours per year on a rolling 365-day year.

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

- 5.8 For Emission Points AA-001, AA-002, AA-003, AA-109, AA-110a, and AA-110-b, if the permittee does not operate and maintain the affected sources and in accordance with the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance through the following actions:

- (a) Keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the affected sources in a manner consistent with good air pollution control practice for minimizing emissions;
- (b) Conduct an initial performance test to demonstrate compliance with the applicable emission standards within one (1) year of start-up, or within 1 year after an affected

source and control device (if any) is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer;

- (c) For Emission Points AA-001, AA-002, AA-003, AA-109, AA-110a, and AA-110b, conduct a subsequent performance test every 8,760 hours of operation or three (3) years (whichever comes first) thereafter to demonstrate compliance with the applicable emission standards.

(Ref: 40 CFR 60.4211(g)(2) and (3), Subpart IIII)

- 5.9 For Emission Points AA-001, AA-002, AA-003, AA-109, AA-110a, and AA-110b, the permittee shall maintain documentation that the affected sources are certified to the applicable emission standards referenced in Conditions 3.16 and 3.17. Records shall be also maintained that denote the affected sources were installed and configured to the manufacturer's emission-related specifications.

(Ref: 40 CFR 60.4211(c), Subpart IIII and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 5.10 For Emission Points AA-001, AA-002, AA-003, AA-109, AA-110a, and AA-110b, the permittee shall maintain records that indicate the affected sources only utilize diesel fuel that complies with the requirements referenced in Condition 3.15 on a continuous basis.

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

- 5.11 For Emission Points AA-117, the permittee shall comply with Condition 3.21 of this permit by recording and maintaining the following information:

- (a) The monthly cumulative throughput of gasoline from the affected sources;
- (b) The occurrence and duration of each malfunction of all applicable equipment, which includes (but is not limited to) process equipment, air pollution control equipment, and monitoring equipment;
- (c) The action(s) taken during each period of malfunction to minimize emissions in accordance with Condition 4.2, including any corrective action(s) to restore malfunctioning applicable equipment (including but not limited to process equipment, air pollution control equipment, and monitoring equipment) to its normal or usual manner of operation.

(Ref.: 40 CFR 63.11111(e) and 40 CFR 63.11125(d), Subpart CCCCCC)

**SECTION 6
 REPORTING REQUIREMENTS**

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
AA-100	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 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	Submit Annual Summary of NOx Emissions
AA-102a AA-102b AA-102c	40 CFR 60.48c(e)(11), 40 CFR 60.48c(f)(1), (4), Subpart Dc	6.5	Submit all Applicable Fuel Supplier Certifications
AA-102a AA-102b AA-102c	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.6	Submit Fuel Usage Data
AA-102a AA-102b AA-102c	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Submit Hours of Operation (Less than 48 hours of operations during calendar year)
AA-108 AA-109 AA-110a AA-110b AA-001 AA-002 AA-003 AA-111a AA-111b AA-112	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.8	Submit Hours of Operation (Non-Emergency and Emergency)
AA-117	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.9	Submit Monthly Gasoline Throughput

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
AA-117	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.10	Submit Reports of Equipment Malfunction

- 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 Emission Point AA-100, the permittee shall submit an annual report summarizing nitrogen oxides (NO_x) emissions on a rolling consecutive 12-month basis by no later than January 31st of each calendar year for the preceding calendar year. The report shall include all reference data utilized to validate the presented NO_x emissions (applicable emission factors, engineering judgement determinations, etc.).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 6.5 For Emission Points AA-102a, AA-102b, and AA-102c, the permittee shall submit an annual report detailing any fuel supplier certifications required by Condition 5.3 by no later than January 31st of each calendar year for the preceding calendar year. The report shall include a certified statement signed by a responsible official verifying that the submitted records represent all of the fuel combusted during the report period. Additionally, fuel supplier certification shall specifically contain the following information (contingent on the fuel source):

- (a) For Distillate Oil (i.e. No. 2 fuel oil and/or diesel fuel):
 - (1) The name of the oil supplier;
 - (2) A statement from the aforementioned supplier that the utilized oil complies with the specifications under the definition of “*distillate oil*” contained within 40 CFR 60.41c; and
 - (3) The sulfur content or maximum sulfur content of the oil.
- (b) For Other Fuels (i.e. natural gas):
 - (1) The name of the supplier of the fuel;
 - (2) The potential sulfur emissions rate or maximum potential sulfur emission rate of the utilized fuel in nanograms per Joule (ng/J) heat input; and
 - (3) The method used to determine the potential sulfur emissions rate of the fuel.

(Ref: 40 CFR 60.48c(e)(11) and 40 CFR 60.48c(f)(1), (4))

6.6 For Emission Points AA-102a, AA-102b, and AA-102c, the permittee shall submit an annual report that summarizes the amount of each fuel combusted by each affected source on a monthly basis by January 31st of each calendar year for the preceding calendar year.

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

6.7 For Emission Points AA-102a, AA-102b and AA-102c, the permittee shall submit an annual report that summarizes the hours of operation for each affected source by January 31st of each calendar year for the preceding calendar year. The report shall include a certified statement signed by a responsible official verifying that the hours of operations for each affected source is less than 48 hours during the report period.

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

6.8 For Emission Points AA-001, AA-002, AA-003, AA-109, AA-110a, AA-110b, AA-111a, AA-111b and AA-112 the permittee shall submit an annual report that summarizes the hours of operation for each affected source by January 31st of each calendar year for the preceding calendar year. The report shall document how many hours are spent for emergency operation, what classified the operation as an emergency situation(s), how many hours are spent for non-emergency operation, and the circumstance(s) for non-emergency operation.

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

- 6.9 For Emission Points AA-117, the permittee shall submit an annual report that summarizes the monthly cumulative throughput of gasoline from the affected sources by January 31st of each calendar year for the preceding calendar year.

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

- 6.10 For Emission Points AA-117, the permittee shall submit an annual report that details the occurrence of any malfunction of applicable equipment (including but not limited to process equipment, air pollution control equipment, and monitoring equipment) at the affected sources by January 31st of each calendar year for the preceding calendar year. The report shall also outline any corrective action(s) taken to restore the malfunctioning applicable equipment to its normal or usual manner of operation.

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