

STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Industrial Company, The
On Dixie Farm Road
Germania, Mississippi
Yazoo County

has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued:_____

Permit No.: 3020-00067

SECTION 1. GENERAL CONDITIONS

- 1.1 This permit is for air pollution control purposes only.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)
- 1.1 Any activities not identified in the application are not authorized by this permit.
(Ref.: Miss. Code Ann. 49-17-29(1)(b))
- 1.2 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 operating without a valid permit pursuant to State Law.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)
- 1.3 It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(6).)
- 1.4 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).)
- 1.5 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 the 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).)
- 1.6 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).)
- 1.7 The permit does not convey any property rights of any sort, or any exclusive privilege.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)
- 1.8 The permittee shall furnish to the Department of Environmental Quality (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).)

- 1.9 *Design and Construction Requirements:* The stationary source shall be designed and constructed so as to operate without causing a violation of an Applicable Rules and Regulations, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(1)-(3).)

- 1.10 The necessary facilities shall be constructed to prevent any wastes or other products or substances to be placed in a location where they are likely to cause pollution of the air or waters of the State without the proper environmental permits.

(Ref.: Miss. Code Ann. 49-17-29(1) and (2))

- 1.11 *Fugitive Dust Emissions from Construction Activities:* The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(4).)

- 1.12 *General Nuisances:* 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.

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

(b) When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance to property other than that from which it originated or to violate any other provision of 11 Miss. Admin. Code Pt. 2, Ch. 1, the Commission may order such corrected in a way that all air and gases or air and gasborne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

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

1.13 *Right of Entry:* The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their representatives upon presentation of credentials:

- (a) To enter at reasonable times 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) 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 contaminants or waste waters, fuel, process material, or other material which affects or may affect emission of air contaminants from any source.

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

1.14 *Permit Modification or Revocation:* After notice and opportunity for a hearing, the Permit Board may modify the permit or revoke it in whole or in part for good cause shown including, but not limited to:

- (a) Persistent violation of any of the 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.)

1.15 *Public Record and Confidential Information:* 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)

1.16 *Permit Transfer:* This permit shall not be transferred except upon approval of the Permit Board.

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

1.17 *Severability:* The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the 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).)

- 1.18 *Permit Expiration:* The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance, if construction is suspended for eighteen (18) months or more, or if construction is not completed within a reasonable time. The DEQ may extend the 18-month period upon a satisfactory showing that an extension is justified.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(1)., R. 2.5.C(4)., and R. 5.2.)
- 1.19 *Certification of Construction:* A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(3).)
- 1.20 *Beginning Operation:* After certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by 11 Miss. Admin. Code Pt. 2, R. 2.13.G.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).)
- 1.21 *Application for a Permit to Operate:* The application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).)
- 1.22 *Operating Under a Permit to Construct:* Upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).)
- 1.23 Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, and shutdowns.
- (a) Upsets (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through

properly signed contemporaneous operating logs or other relevant evidence the following:

- (i) An upset occurred and that the source can identify the cause(s) of the upset;
 - (ii) The source was at the time being properly operated;
 - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;
 - (iv) That within five (5) working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;
 - (v) That as soon as practicable but no later than 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 in 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 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 11 Miss. Admin. Code Pt. 2, R. 1.2., occurs during startup or shutdown, see the upset requirements above.

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

- 1.24 *General Duty:* All air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

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

- 1.25 *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).)

SECTION 2. EMISSION POINT DESCRIPTION

The permittee is authorized to construct and operate, upon certification of construction, air emissions equipment, as described in the following table.

Emission Point	Facility ID	Description
AA-001	GEN-1	Tier 4 Generator Engine 1, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-002	GEN-2	Tier 4 Generator Engine 2, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-003	GEN-3	Tier 4 Generator Engine 3, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-004	GEN-4	Tier 4 Generator Engine 4, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-005	GEN-5	Tier 4 Generator Engine 5, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-006	GEN-6	Tier 4 Generator Engine 6, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-007	GEN-7	Tier 4 Generator Engine 7, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-008	GEN-8	Tier 4 Generator Engine 8, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-009	GEN-9	Tier 4 Generator Engine 9, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-010	GEN-10	Tier 4 Generator Engine 10, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-011	GEN-11	Tier 4 Generator Engine 11, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-012	GEN-12	Tier 4 Generator Engine 12, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-013	GEN-13	Tier 4 Generator Engine 13, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-014	GEN-14	Tier 4 Generator Engine 14, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-015	GEN-15	Tier 4 Generator Engine 15, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder

Emission Point	Facility ID	Description
AA-016	GEN-16	Tier 4 Generator Engine 16, a 2695 hp/1825 kW, 17.39MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-017	FWP-1	Firewater Pump 1, a 753 hp/562 kW, 5.48MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-018	FWP-2	Firewater Pump 2, a 753 hp/562 kW, 5.48MMBTU/hr, compression ignition diesel engine with a displacement <10L per cylinder
AA-019	DST-1	50,000 gallon Diesel Storage Tank 1
AA-020	DST-2	50,000 gallon Diesel Storage Tank 2
AA-021	DST-3	50,000 gallon Diesel Storage Tank 3
FUG-1	FUG-1	Fugitive Emissions

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	Opacity	≤ 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2		≤ 40%
AA-001 through AA-018	40 CFR 63.6590(c)(1), Subpart ZZZZ	3.3	HAPs	Applicability
	40 CFR 60.4200(a)(2)(i), Subpart IIII	3.4	HAPs	Applicability
AA-001 Through AA-016	11 Miss. Admin. Code Pt.2, R. 2.2.2(B)(10). Title V Avoidance Limit	3.5	NO _x	Operational Requirement
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.6	PM	$E = 0.8808 \times I^{-0.1667}$
	40 CFR 1039.101(b), and Table 1 of Subpart B	3.7	PM	0.03 g/KW-hr
			NO _x	0.67 g/KW-hr
			NMHC	0.19 g/KW-hr
			CO	3.5 g/KW-hr
	40 CFR 60.4207(b), Subpart IIII 40 CFR 1090.305, Subpart D	3.8	Sulfur content	Fuel Requirements
	40 CFR 60.4211(c), Subpart IIII	3.9	PM	Design Requirements
			NO _x	
			NMHC	
			CO	
AA-017 AA-018	40 CFR 60.4205(c) and Table 4, Subpart IIII	3.10	NMHC NO _x	NMHC + NO _x emissions shall not exceed 6.4 g/kW-hr (4.8 g/hp-hr)
			CO	CO emissions shall not exceed 3.5 g/kW-hr (2.6 g/hp-hr)
			PM	PM emissions shall not exceed 0.20 g/kW-hr (0.15 g/hp-hr)

	40 CFR 60.4207(b), Subpart IIII 40 CFR 1090.305, Subpart D	3.11	Sulfur	Fuel requirements
	40 CFR 60.4209(a), Subpart IIII	3.12	Operating hours	non-resettable hour meter
	40 CFR 60.4211(c), Subpart IIII 40 CFR 1039.101(b), Subpart B	3.13	PM NO _x	Design Requirements
	40 CFR 60.4211(f), Subpart IIII	3.14	NMHC	Emergency Operation
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.15	CO	$E \leq 0.6$ lbs per MMBTU/hr

- 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, except that 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.

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

- 3.2 For the facility, except as otherwise specified, do not 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.

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

- 3.3 For Emission Points AA-001 through AA-018, the permittee is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ.

For the purpose of this subpart, Emission Points AA-001 through AA-016 are considered new RICE at an area source of HAPs. Emission Points AA-017 and AA-0118 are considered emergency RICE at an area source of HAPs. The permittee shall comply with 40 CFR 63, Subpart ZZZZ by complying with 40 CFR 60, Subpart IIII. The permittee is not subject to any further requirements under 40 CFR 63, Subpart ZZZZ.

(Ref.: 40 CFR 63.6590(c)(1), Subpart ZZZZ)

- 3.4 For Emission Points AA-001 through AA-018, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Stationary

Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII and with the General Provisions of 40 CFR 60, Subpart A as required by Table 8 to Subpart IIII.

For Emission Points AA-001 through AA-016, the permittee shall comply with the emission standards in 40 CFR 1039.101(b) and Table 1 of Subpart B for their 2007 model year and later stationary CI ICE.

For Emission Points AA-017 and AA-018, the permittee shall comply with the emission standards in Table 4 in 40 CFR 60.4200, Subpart IIII.

(Ref.: 40 CFR 60.4200(a)(2)(i), Subpart IIII, Table 1 of 40 CFR 1039.101(b), Subpart B)

- 3.5 For Emission Points AA-001 through AA-016, the total run time for all generators shall not exceed 88,000 hours per year for each consecutive 12-month period on a rolling basis. Each individual generator may run up to 8,760 hours per year as long as the total hours do not exceed 88,000 hours per year.

(Ref.: 11 Miss. Admin. Code Pt.2, R. 2.2.2(B)(10), Title V Avoidance)

- 3.6 For Emission Points AA-001 through AA-016, emissions 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(1)(b).)

- 3.7 For Emission Points AA-001 through AA-016, the permittee shall not emit more than 0.03 g/KW-hr of PM, 0.67 g/KW-hr of NO_x, 0.19 g/KW-hr of NMHC, and 3.5 g/KW-hr of CO.

(Ref.: 40 CFR 1039.101(b), Table 1 of Subpart B)

- 3.8 For Emission Points AA-001 through AA-016, the permittee shall use a nonroad diesel fuel with a sulfur content of less than 15 ppm and a minimum centane index of 40 or a maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 60.4207(b), Subpart IIII and 40 CFR 1090.305, Subpart D)

- 3.9 For Emission Points AA-001 through AA-016, the permittee shall purchase an engine certified to the emissions standards in 40 CFR 60.4204(b) and install and configure the engine according to the manufacturer's specifications.

(Ref.: 40 CFR 60.4211(c) and 60.4204(b), Subpart IIII)

- 3.10 For Emission Points AA-017 and AA-018, the permittee is subject to the requirements of Table 4 in 40 CFR 60.4200, Subpart IIII. The permittee shall not emit more than 6.4 g/kW-

hr (4.8 g/HP-hr) for NMHC + NO_x, 3.5 g/kW-hr (2.6 g/HP-hr) for CO, and 0.20 g/kW-hr (0.15 g/HP-hr) for PM.

(Ref.: 40 CFR 4205(c) and Table 4, Subpart IIII)

- 3.11 For Emission Points AA-017 and AA-018, the permittee shall use nonroad diesel fuel with a sulfur content less than 15 ppm and either a minimum centane index of 40 or a maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 60.4207(b), Subpart IIII and 40 CFR 1090.305, Subpart D)

- 3.12 For Emission Points AA-017 and AA-018, the permittee shall install a non-resettable hour meter prior to startup of the engine.

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

- 3.13 For Emission Points AA-017 and AA-018, the engines must be certified to the emission standards in 40 CFR 60.4205(c) and Table 4 of Subpart IIII (Condition 3.10) and 40 CFR 1039.101(b), Subpart B.

(Ref.: 40 CFR 60.4211(c), Subpart IIII and 40 CFR 1039.101(b), Subpart B)

- 3.14 For Emission Points AA-017 and AA-018, shall be considered emergency stationary ICE under Subpart IIII provided the engine only operates in an emergency, during maintenance and testing, and during non-emergency situations for 50 hours per year as described in (c) below. If the permittee does not operate the engine according to the requirements in (a)-(c) below, the engine will not be considered an emergency engine under Subpart IIII and must then meet all requirements for non-emergency engines.

- (a) There is no limit on the use of an engine during an emergency situation.
- (b) The permittee may operate the engine for maintenance checks and readiness testing for a maximum of 100 hours per calendar year provided the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or insurance company associated with the engine. The permittee may petition the DEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating the federal, state, or local standards require maintenance testing of the engine beyond 100 hours per calendar year.
- (c) Emergency engines may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (b). Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric

grid or otherwise supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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

- 3.15 For Emission Points AA-017 and AA-018, emissions 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).)

SECTION 4. WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Work Practice
AA-001	40 CFR 60.4206, Subpart IIII	4.1	Operate and maintain stationary CI ICE
Through AA-018	40 CFR 60.4211(g)(3), Subpart IIII	4.2	Maintain and operate the engines

- 4.1 For Emission Points AA-001 through AA-018, the permittee shall operate and maintain the CI ICE to achieve the emissions standards in Condition 3.7 and 3.10.

(Ref.: 40 CFR 60.4206, Subpart IIII and 40 CFR 1039.101(b), Subpart B)

- 4.2 For Emission Points AA-001 through AA-018, if the permittee does not install, configure, operate, and maintain the engines and control devices according to 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 maintain and operate the engine in a manner consistent with good air pollution control practices for minimizing emissions.

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

SECTION 5. MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
AA-001 Through AA-018	40 CFR 60.4211(a), Subpart IIII	5.2	Recordkeeping	Operational Requirement
	40 CFR 60.4214(a)(2), Subpart IIII	5.3	Recordkeeping	Recordkeeping
	40 CFR Part 60.4211(g)(3), Subpart IIII	5.4	Performance test	Performance Testing
AA-001 through AA-016	11 Miss. Admin. Code Pt.2, R.2.2.2(B)(11).	5.5	Recordkeeping	Hours of operation
	40 CFR 60.4212, Subpart IIII	5.6	Performance Test	Performance Test
	40 CFR 60.4214(b), Subpart IIII	5.7	Recordkeeping	Maintain records of the operation of the engine in emergency and nonemergency service

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, but is not limited to, 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 DEQ as required by Applicable Rules and Regulations or this permit upon request.

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

5.2 For Emission Points AA-001 through AA-018, the permittee shall comply with emission standards and

- (a) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions
- (b) Change only those emission-related settings that are permitted by the manufacturer
- (c) Meet the requirements of [40 CFR part 1068](#), as they apply to you.

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

5.3 For Emission Points AA-001 through AA-018, the permittee shall keep records of the information in [paragraphs \(a\)](#) through [\(d\)](#) of this section.

- (a) All notifications submitted to comply with this subpart and all documentation supporting any notification.
- (b) Maintenance conducted on the engine.
- (c) If the stationary CI internal combustion is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards.
- (d) If the stationary CI internal combustion is not a certified engine, documentation that the engine meets the emission standards.

(Ref.: 40 CFR 60.4214(a)(2), Subpart IIII)

- 5.4 For Emission Points AA-001 through AA-018, if the permittee does not install, configure, operate, and maintain the engines and control devices according to 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 conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year of startup, or within one year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one year after you change emission-related settings in a way that is not permitted by the manufacturer. The permittee must conduct subsequent performance testing every 8,760 hours of engine operation or three years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards in Condition 3.7 and 3.10.

(Ref.: 40 CFR Part 60.4211(g)(3), Subpart IIII)

- 5.5 For Emission Points AA-001 through AA-016, the permittee shall monitor and maintain records of the run time of each generator and the total run time of the generators. The hours of run time shall be maintained on a monthly basis and for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt.2, R.2.2.2(B)(11).)

- 5.6 For Emission Points AA-001 through AA-018, if performance testing is needed as specified in condition 5.4 above, the permittee must conduct performance tests according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder and all applicable requirements in 40 CFR 60.4212, Subpart IIII.

(Ref.: 40 CFR 60.4212, Subpart IIII)

- 5.7 For Emission Points AA-017 and AA-018, the permittee shall maintain records of the operation of the engine in emergency and nonemergency service that are recorded through the non-resettable hour meter. The permittee 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 IIII)

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(a)	Report deviations within five (5) working days
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1(b)	Annual reporting
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1(c)	Certification by responsible official
	11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).	6.1(d)	Notification of beginning actual construction within 15 days
	11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).	6.1(e)	Notification when construction does not begin or is suspended
	11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).	6.1(f)	Certification of completion of construction prior to operation
	11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).	6.1(g)	Notification of changes in construction
AA-001 through AA-018	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Reporting
	40 CFR 60.4214(f), Subpart IIII	6.3	Reporting
	40 CFR 60.4214(g), Subpart IIII	6.4	Submitting notifications
	40 CFR 60.4214(j), Subpart IIII	6.5	Reporting
AA-001 through AA-016	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.6	Reporting
AA-017 AA-018	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Reporting

6.1 General Reporting Requirements:

- (a) 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).)

- (b) Beginning upon issuance of this permit and lasting until issuance or modification of the applicable operating permit, the permittee shall submit reports of any required monitoring by January 31st for the preceding twelve-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 2.1.C. 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. For any air emissions equipment not yet constructed and/or operating the report shall so note and include an estimated date of commencement of construction and/or startup, whichever is applicable.

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

- (c) Any document required by this permit to be submitted to the DEQ 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).)

- (d) Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).)

- (e) The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).)

- (f) Upon the completion of construction or installation of an approved stationary source or modification, and prior to commencing operation, the applicant shall notify the Permit Board that construction or installation was performed in accordance with the approved plans and specifications on file with the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).)

- (g) The Permit Board shall be promptly notified in writing of any change in construction from the previously approved plans and specifications or permit. If the Permit Board determines the changes are substantial, it may require the submission of a new application to construct with “as built” plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an “as built” application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).)

6.2 For Emission Point AA-001 through AA-018, the permittee shall submit the following notifications and/or reports in regards to performance testing:

- (a) A written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the MDEQ. After the first successful submittal of a written test protocol in conjunction with a compliance test, the permittee may request that the resubmittal of the testing protocol be waived for subsequent testing by certifying in writing at least thirty (30) days prior to

subsequent testing that all conditions for testing remain unchanged such that the original protocol can and will be followed.

- (b) A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled test date(s) so that an observer may be afforded the opportunity to witness the test(s).
- (c) The results from each performance test shall be submitted to the MDEQ within sixty (60) days following the completion of the test(s).

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

6.3 For Emission Points AA-001 through AA-018, the permittee must submit results of the performance tests as specified in (a) and (b) below within 60 days of completing each performance test.

- (a) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test. Submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), according to [paragraph \(g\)](#) of 40 CFR 60.4214. The data must be submitted in a file format generated using the EPA's ERT. Alternatively, the permittee may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.
- (b) Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI according to [paragraph \(g\)](#) of 40 CFR 60.4214.

(Ref.:40 CFR 60.4214(f), Subpart IIII)

6.4 For Emission Points AA-001 through AA-018, If the permittee is required to submit notifications or reports following the procedure specified in this paragraph (g), you must submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). The EPA will make all the information submitted through CEDRI available to the public without further notice. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in [paragraphs \(a\) and \(b\)](#) of this section. Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in [40 CFR part 2](#). All CBI claims must be asserted

at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this [paragraph](#).

- (a) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address oaqpscbi@epa.gov, and as described in 40 CFR 60.4214 [paragraph \(g\)](#), should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if you do not have your own file sharing service, please email oaqpscbi@epa.gov to request a file transfer link.
- (b) If the permittee cannot transmit the file electronically, the permittee may send CBI information through the postal service to the following address: OAQPS Document Control Officer (C404-02), OAQPS, U.S. Environmental Protection Agency, 109 T.W. Alexander Drive, P.O. Box 12055, Research Triangle Park, North Carolina 27711. ERT files should be sent to the attention of the Group Leader, Measurement Policy Group, and all other files should be sent to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.

(Ref.: 40 CFR 60.4214(g), Subpart IIII)

- 6.5 For Emission Points AA-001 through AA-018, Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

(Ref.: 401 CFR 60.4214(j), Subpart IIII)

- 6.6 For Emission Points AA-001 through AA-016, the permittee shall submit a report in accordance with Condition 6.1(b) that contains the hours of operation for each engine on a monthly basis as well as the total hours of operation of each engine on a rolling basis for the reporting period.

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

- 6.7 For Emission Points AA-017 and AA-018, the permittee shall submit a report in accordance with Condition 6.1(b) that contains the hours of operation for each engine as

well as the total hours of operation. Additionally, the report shall contain whether the engines were operating for emergency or non-emergency use.

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