

STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

ADP Rankin Data Hub
286 East Metro Parkway
Brandon, Mississippi
Rankin 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.: 2380-00142

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	Description
AA-000	Entire Facility
<i>Building No. 1</i>	
AA-001	4,441 Horsepower (HP) Cummins Model QSK78-G37 Compression Ignition (CI) diesel-fired Tier-2 certified emergency generator engine (for 3,312 Kilowatt (kW) Genset), equipped with a control system that integrates selective catalytic reduction (SCR) catalysts, diesel oxidation catalysts (DOC), and diesel particulate filters (DPF)
AA-002	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-003	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-004	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-005	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-006	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-007	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-008	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-009	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-010	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-011	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-012	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF

Emission Point	Description
AA-013	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-014	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-015	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-016	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-017	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-018	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-019	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-020	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-021	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-022	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-023	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-024	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-025	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AC-001	CI diesel-fired Tier-2 certified emergency fire pump engine (for 175 kW Fire Pump) for Data Building No. 1
<i>Building No. 2</i>	
AA-026	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator

Emission Point	Description
	engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-027	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-028	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-029	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-030	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-031	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-032	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-033	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-034	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-035	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-036	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-037	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-038	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-039	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-040	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF

Emission Point	Description
AA-041	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-042	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-043	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-044	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-045	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-046	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-047	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-048	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-049	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AA-050	4,441 HP Cummins Model QSK78-G37 CI diesel-fired Tier-2 certified emergency generator engine (for 3,312 kW Genset), equipped with a control system that integrates SCR catalysts, DOC, and DPF
AC-002	CI diesel-fired Tier-2 certified emergency fire pump engine (for 175 kW Fire Pump) for Data Building No. 2
<i>Support Equipment</i>	
AB-000	Fifty (50) Emergency Generator Engine Diesel Fuel Belly Tanks, each with a 5,600-gallon capacity
AC-003	Spark Ignition (SI) propane-fired Tier-2 certified emergency engine (for 100 kW Genset) located at facility's electrical substation
AD-000	Two (2) Emergency Fire Pump Engine Diesel Fuel Belly Tanks (capacity not yet finalized)

SECTION 3. EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-000 (Facility-Wide)	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in Permit to Construct issued DATE (Title V Avoidance Limit)	3.1	NO _x	≤ 95.0 tpy
	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.2	Opacity	≤ 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.3		≤ 40%
AA-001 through AA-050	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in Permit to Construct issued DATE	3.4	Control Device	Operational Requirement
	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	3.5	PM (filterable only)	$E = 0.8808 \times I^{-0.1667}$
AC-001 AC-002 AC-003	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a).	3.6	PM (filterable only)	≤ 0.6 lb/MMBTUH
AA-001 through AA-050 AC-001 AC-002 AC-003	40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) 40 CFR 63.6580, 63.6585(a) and (c), 63.6590(a)(2)(iii), and 63.6590(c)(1), Subpart ZZZZ	3.7	HAPs	Applicability
AA-001 through AA-050 AC-001 AC-002	40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) 40 CFR 60.4200(a)(2)(i) and (ii), Subpart IIII	3.8	NMHC + NO _x , CO, and PM	Applicability
AA-001 through AA-050	40 CFR 60.4202(a)(2), 60.4205(b), 60.4206, 60.4211(a)(3), Subpart IIII, and Tier 2 of Appendix I of 40 CFR 1039	3.9	NMHC + NO _x	≤ 6.4 g/kW-hr
			CO	≤ 3.5 g/kW-hr
			PM	≤ 0.2 g/kW-hr
AC-001 AC-002	40 CFR 60.4202(d), 60.4205(c), 60.4206, 60.4211(a)(3), and Tables 3 and 4 of Subpart IIII	3.10	NMHC + NO _x	≤ 4.0 g/kW-hr
			CO	≤ 3.5 g/kW-hr
			PM	≤ 0.2 g/kW-hr
AA-001 through AA-050 AC-001 AC-002	40 CFR 60.4207(b), Subpart IIII and 40 CFR 1090.305	3.11	Fuel	≤ 15 ppm sulfur content ≥ 40 cetane index or ≤ 35% volume aromatic content

AA-001 through AA-050 AC-001 AC-002 AC-003	40 CFR 60.4209(a), Subpart IIII and 40 CFR 60.4237, Subpart JJJJ	3.12	Hour Meter	Operational Requirement
AA-001 through AA-050	40 CFR 60.4209(b), Subpart IIII	3.13	Backpressure Monitor	Operational Requirement
AA-001 through AA-050 AC-001 AC-002 AC-003	40 CFR 60.4211(f), Subpart IIII and 40 CFR 60.4243(d), Subpart JJJJ	3.14	Operations	Emergency operations monitoring
AC-003	40 CFR 60, Subpart JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines) 40 CFR 60.4230(a)(4)(iv) and 60.4231(c), Subpart JJJJ	3.15	NMHC + NO _x , CO, and PM	Applicability

3.1 For the Emission Point AA-000 (Facility-Wide), the permittee shall limit the emission of nitrogen oxides (NO_x) to no more than 95.0 tons per year (tpy) as determined on a rolling 12-month total basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in Permit to Construct issued **DATE**)

3.2 For the Emission Point AA-000 (Facility-Wide), 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 that exceeds forty percent (40%) opacity from any process on-site. Start-up operations may produce emissions that exceed 40% opacity for up to fifteen (15) minutes per start-up in any one hour and not to exceed three (3) start-ups per stack in any twenty-four (24) hour period.

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

3.3 For the Emission Point AA-000 (Facility-Wide), unless otherwise specified 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 forty percent (40%) opacity. This shall not apply to vision obscuration caused by uncombined water droplets.

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

3.4 For Emission Points AA-001 through AA-050, the permittee shall install and operate each engine control system with a device to continuously monitor and record the following:

- (a) The SCR catalyst bed exhaust temperature shall be recorded at a minimum frequency of once every minute, and correlated to run date, engine load/kilowatt output, and engine operating hours.
- (b) The differential pressure drop across the entire emissions control system to demonstrate proper function of the SCR, DPF, and DOC. The backpressure

monitor shall notify the permittee when the high backpressure limit of the engine is approached. The emissions control system shall be observed by the permittee with a frequency as recommended by the process/control equipment manufacturer.

Each monitoring device shall be equipped with a mechanism to detect parameters, including, but not limited to catalyst temperature, pressure drop, and urea injection rate, which fall outside the manufacturer's recommended operating ranges and trigger an alarm to operators when the unit is not operating within the manufacturer's recommended conditions.

Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the SCR, DPF, and DOC are operating.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in Permit to Construct issued **DATE**)

- 3.5 For Emission Points AA-001 through AA-050, the permittee shall not have particulate emissions from fossil fuel burning installations of greater than 10 MMBTU/hr heat input that exceeds the emission rate as determined by the relationship:

$$E = 0.8808 \times I^{0.1667}$$

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 Points AC-001, AC-002, and AC-003, the permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU.

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

- 3.7 For Emission Points AA-001 through AA-050 and AC-001, AC-002, and AC-003, the permittee is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ.

Emission Points AA-001 through AA-050 are new emergency compression ignition (CI) stationary RICE, each with a site rating greater than 500 brake HP located at an area source of HAP emissions. Emission Points AC-001 and AC-002 are new emergency CI stationary RICE, each with a site rating less than 500 brake HP located at an area source of HAP emissions. As such, each engine must meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII, for CI engines. No further requirements apply for such engines under 40 CFR 63, Subpart ZZZZ or the General Provisions in Subpart A.

Emission Point AC-003 is a new emergency spark ignition (SI) stationary RICE, with a site rating less than 500 brake HP located at an area source of HAP emissions. As such,

the engine must meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart JJJJ, for SI engines. No further requirements apply for such engines under 40 CFR 63, Subpart ZZZZ or the General Provisions in Subpart A.

(Ref.: 40 CFR 63.6580, 63.6585(a) and (c), 63.6590(a)(2)(iii), and 63.6590(c)(1), Subpart ZZZZ)

- 3.8 For Emission Points AA-001 through AA-050, AC-001, and AC-002, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance Standard for Stationary Compressor Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII, and the applicable General Provisions in Subpart A, as established in Table 8 of Subpart IIII.

(Ref.: 40 CFR 60.4200(2)(i) and (ii), Subpart IIII)

- 3.9 For Emission Points AA-001 through AA-050, the permittee shall purchase an engine that complies with the following emission standards:

- (a) Nitrogen Oxides plus Total Non-Methane Hydrocarbons (NMHC + NO_x) emissions are limited to 6.4 grams per kilowatt-hour (g/kW-hr);
- (b) Carbon Monoxide (CO) emissions are limited to 3.5 g/kW-hr; and
- (c) Particulate Matter (PM) emissions are limited to 0.2 g/kW-hr.

The permittee must operate and maintain the engines to achieve these emission standards over the entire life of the engine.

(Ref: 40 CFR 60.4202(a)(2), 60.4205(b), 60.4206, 60.4211(a)(3), Subpart IIII, and Tier 2 of Appendix I of 40 CFR 1039)

- 3.10 For Emission Points AC-001 and AC-002, the permittee shall purchase an engine that complies with the following emission standards:

- (a) Nitrogen Oxides plus Total Non-Methane Hydrocarbons (NMHC + NO_x) emissions are limited to 4.0 grams per kilowatt-hour (g/kW-hr);
- (b) Carbon Monoxide (CO) emissions are limited to 3.5 g/kW-hr; and
- (c) Particulate Matter (PM) emissions are limited to 0.2 g/kW-hr.

The permittee must operate and maintain the engine to achieve these emission standards over the entire life of the engine.

(Ref: 40 CFR 60.4202(a)(2), 60.4205(b), 60.4206, 60.4211(a)(3), and Tables 3 and 4 of Subpart IIII)

- 3.11 For Emission Points AA-001 through AA-050, AC-001, and AC-002, the permittee shall only combust diesel that meets the following requirements (on a per-gallon basis):

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

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

- 3.12 For Emission Points AA-001 through AA-050 and AC-001, AC-002, and AC-003, the permittee must install and operate a non-resettable hour meter on each engine.
(Ref.: 40 CFR 60.4209(a), Subpart IIII and 40 CFR 60.4237, Subpart JJJJ)
- 3.13 For Emission Points AA-001 through AA-050, the permittee must install and operate a backpressure monitor for total system differential pressure that notifies the permittee when the high backpressure limit of the engine is approached.
(Ref.: 40 CFR 60.4209(b), Subpart IIII)
- 3.14 For Emission Points AA-001 through AA-050 and AC-001, AC-002, and AC-003, any operation for any reason other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year is prohibited. If an engine is not operated in accordance with paragraph (a) through (c) of this condition, the engine will not be considered an emergency engine under 40 CFR 60, Subpart IIII or Subpart JJJJ, as applicable, and must meet all requirements for a corresponding non-emergency engine.
- (a) There is no time limit on the use of the emergency engine in emergency situations.
 - (b) The engine may be operated for a maximum of 100 hours per calendar year for maintenance checks and readiness testing, provided that 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 the 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 that federal, state, or local standards require maintenance and testing of engine beyond 100 hours per calendar year.
 - (c) The engine 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. The 50 hours per calendar year for non-emergency demand response cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
- (Ref.: 40 CFR 60.4211(f), Subpart IIII and 40 CFR 60.4243(d), Subpart JJJJ)
- 3.15 For Emission Point AC-003, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ, and the applicable General Provisions in Subpart A, as established in Table 3 of Subpart JJJJ.
(Ref.: 40 CFR 60.4230(a)(4)(iv) and 60.4231(c), Subpart JJJJ)

SECTION 4. WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Work Practice
AA-001 through AA-050 AC-001 AC-002	40 CFR 60.4211(a), Subpart IIII	4.1	Operational requirements
AC-003	40 CFR 60.4243(a)(1), Subpart JJJJ	4.2	Operational requirements

- 4.1 For Emission Points AA-001 through AA-050, AC-001, and AC-002, the permittee shall operate and maintain the emergency engine and control device according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer. In addition, the permittee may only change those settings that are permitted by the manufacturer. The permittee shall also meet the applicable requirements of 40 CFR 89.

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

- 4.2 For Emission Point AC-003, the permittee shall operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions. In addition, the permittee may only change those settings that are permitted by the manufacturer. The permittee shall also meet the applicable requirements of 40 CFR part 1068, subparts A through D.

(Ref.: 40 CFR 60.4243(a)(1), Subpart JJJJ)

SECTION 5. MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant / Parameter	Monitoring / Recordkeeping Requirement
AA-000 (Facility-Wide)	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of five (5) years
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	NO _x	Monitoring and recordkeeping requirements
AA-001 through AA-050	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.3	Operations	Performance stack test requirements
	40 CFR 60.4214(c), Subpart IIII	5.4	Pressure Drop	Control device parametric monitoring
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.5	Operations	Monitoring and recordkeeping requirements
AA-001 through AA-050 AC-001 AC-002	40 CFR 60.4211(c), Subpart IIII	5.6	NMHC + NO _x , CO, and PM	Compliance Demonstration
	40 CFR 60.4211(g)(3), Subpart IIII	5.7	NMHC + NO _x , CO, and PM	Operational requirements
AA-001 through AA-050 AC-001 AC-002 AC-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.8	Fuel	Monitoring and recordkeeping requirements
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.9	Fuel	Monitoring and recordkeeping requirements
	40 CFR 60.4214(b), Subpart IIII, 40 CFR 60.4245(b), Subpart JJJJ, and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.10	Operations	Emergency operations recordkeeping
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.11	Recordkeeping	Recordkeeping requirements
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.12	Recordkeeping	Recordkeeping requirements

- 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 Point AA-000 (Facility-Wide), the permittee shall monitor and record the monthly and consecutive twelve-month rolling total of NO_x emissions in tons per year. Emissions from Emission Points AA-001 through AA-050 shall be calculated based on the actual fuel consumption rate (at 100% load) applied to the worst-case load-specific

emission factor for the pollutant. Emissions from Emission Points AC-001 through AC-003 shall be calculated based on the actual fuel consumption rate applied to emission factors represented in the permittee's air construction permit application. Such records shall be kept for five years and made available upon request by DEQ personnel.

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

- 5.3 For Emission Points AA-001 through AA-050, the permittee shall demonstrate compliance with NO_x emissions by stack testing in accordance with EPA Reference Method 7 or an EPA approved equivalent, on ten (10) emergency diesel engines. The initial tests shall be completed within 180 days of installation and startup of ten (10) emergency diesel engines. Subsequent testing shall be conducted every five (5) years (not to exceed 61 months from the previous test). The testing shall be performed on the schedule above until all engines in Emission Points AA-001 through AA-050 are tested. Testing shall be conducted according to the following requirements:

- (a) Ten (10) RICE shall be tested.
- (b) Emissions testing of each pollutant for each selected emergency engine shall consist of three (3) one-hour test runs under load. The average of the three runs shall be reported as the short-term emission rate for that emergency diesel engine.
- (c) Testing shall be conducted with the emergency engine operating at greater than 90 percent of its rated capacity, unless multiple load band testing is approved by MDEQ.
- (d) Recorded emergency engine operational information shall include, but not be limited to:
 - (1) Generator load/kilowatt output.
 - (2) Fuel consumption and fuel sulfur content of the diesel fuel.
 - (3) SCR Catalyst bed exhaust temperature.
 - (4) Urea solution injection rate.

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

- 5.4 For Emission Points AA-001 through AA-050, the permittee shall keep records of any corrective action taken after the backpressure monitor required by Condition 3.13 has notified the permittee that the high backpressure limit of the engine is approached.

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

- 5.5 For Emission Points AA-001 through AA-050, the permittee shall continuously monitor and keep records of the following for each engine:

- (a) Operation and control device monitoring records for each emergency diesel engine equipped with a SCR, DPF, and DOC as required in Condition 3.4. This includes records of the differential pressure drop across the entire emissions control system to demonstrate proper function as required in Condition 3.4. Differential pressure drop records shall be kept on site and are not required to be submitted in accordance with Condition 6.1(b).
- (b) Records of alarms and corrective actions as required in Condition 3.4.

(c) Results of all performance stack tests.

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

- 5.6 For Emission Points AA-001 through AA-050, AC-001, and AC-002, the permittee shall demonstrate compliance with emission standards specified in Conditions 3.9 and 3.10, as applicable, by purchasing an engine certified according to 40 CFR 89, for the same model year and maximum engine power. Each engine must be installed and configured according to the manufacturer's specifications.

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

- 5.7 For Emission Points AA-001 through AA-050, AC-001, and AC-002, if the engine and control device are not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or if emission-related settings are changed in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows:

- (a) A maintenance plan and records of conducted maintenance must be kept, and must, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions.
- (b) An initial performance test must be conducted to demonstrate compliance with the applicable air emission standards within one (1) year of startup, or within one (1) year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one (1) year after the emission-related settings are changed in a way that is not permitted by the manufacturer. Subsequent performance testing following the initial performance test must be conducted every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter, to demonstrate compliance with the applicable emission standards.

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

- 5.8 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall obtain and maintain a fuel certification from the supplier for each shipment of fuel oil received which certifies that fuel meets the requirements of Condition 3.11.

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

- 5.9 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall maintain records of the monthly and annual fuel consumption of each emergency diesel engine, for all purposes, with the annual fuel consumption calculated for each consecutive 12-month period on a rolling basis.

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

- 5.10 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall monitor and keep records of the hours operated through the non-resettable hour meter on each emergency engine. These records shall include the following totals, calculated monthly and for each consecutive 12-month period on a rolling basis:

- (a) Operating hours spent for emergency operation, including what classified the operation as emergency,
- (b) Operating hours spent for non-emergency operation (including maintenance and readiness testing), and
- (c) Operating hours for only maintenance and readiness testing operation.

(Ref.: 40 CFR 60.4214(b), Subpart IIII; 40 CFR 60.4245(b), Subpart JJJJ; and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))

- 5.11 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall keep records of all maintenance conducted on each emergency engine.

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

- 5.12 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall keep records of the following for each engine:

- (a) Documentation from the manufacturer that each emergency engine is certified to meet the EPA Tier 2 emission standards.
- (b) Engine information including make, model, serial number, model year, maximum engine power (bhp), and engine displacement for each emergency diesel engine gen-set.
- (c) The manufacturer's written operating instructions or procedures developed by the permittee that are approved by the engine manufacturer for each emergency engine.
- (d) Records of any changes in settings that are permitted by the manufacturer of the emergency engines.

These records shall be maintained in a log form and shall be made available for inspection upon request by the MDEQ.

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

SECTION 6. REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
AA-000 (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)	Semiannual 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-000	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Semiannual reporting of NOx emissions
AA-001 through AA-050 AC-001 AC-002 AC-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	Semiannual reporting of diesel fuel shipments
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.4	Semiannual reporting of conducted engine maintenance
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.5	Semiannual reporting of operations
AA-001 through AA-050	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.6	Semiannual reporting of alarms and corrective actions
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Submit performance stack test protocols and notifications
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.8	Submit results of performance stack tests

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 and July 31st for the preceding six 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-000, the permittee shall submit semiannual reports showing the monthly and twelve-month consecutive rolling total emissions of NO_x in accordance with Condition 6.1(b).

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

- 6.3 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall submit semiannual reports in accordance with Condition 6.1(b) showing the total fuel usage for each emission point on a monthly and consecutive 12-month rolling basis. The report shall also provide the fuel certification, date, quantity, and sulfur content for any shipment(s) of fuel oil received during the reporting period.

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

- 6.4 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, for each engine, the permittee shall submit a summary of the maintenance conducted during the reporting period in accordance with Condition 6.1(b), including the dates, durations, and type of maintenance performed.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 6.5 For Emission Points AA-001 through AA-050, AC-001, AC-002, and AC-003, the permittee shall submit semiannual reports in accordance with Condition 6.1(b) showing the records of operation for each emergency engine. These reports shall include the following monthly and consecutive 12-month rolling totals, as calculated at the end of every month:
- (a) Operating hours spent for emergency operation, including what classified the operation as emergency,
 - (b) Operating hours spent for non-emergency operation (including maintenance and readiness testing), and
 - (c) Operating hours spent for only maintenance and readiness testing operation.
- (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 6.6 For Emission Points AA-001 through AA-050, the permittee shall submit semiannual reports in accordance with Condition 6.1(b) showing the records of alarms and corrective actions for each emergency engine as required in Condition 5.5(b).
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 6.7 For Emission Points AA-001 through AA-050, the permittee shall submit a written test protocol at least thirty (30) days prior to the proposed performance stack test date to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled performance stack test date. At least ten (10) days' notice should be given so that an observer may be scheduled to witness the test(s).
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 6.8 For Emission Points AA-001 through AA-050, the permittee shall submit performance stack test reports of all required performance stack testing within sixty (60) days of the date the performance stack testing is completed. Each report shall also include each parameter for each engine detailed in Condition 5.3(d).
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)