

# **STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT**

**TO CONSTRUCT AIR EMISSIONS EQUIPMENT**

## **THIS CERTIFIES THAT**

**PCC GulfChem Corporation  
7685 Kiln DeLisle Road  
Pass Christian, Mississippi  
Harrison 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.: 1020-00205**

## 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-001	Salt Unloading and Storage
AA-002	Waste Gas Dechlorination Unit Controlled by Scrubber
AA-003	HCl 32% Truck Loading Rack
AA-004	HCl 32% Storage Tank 47,551-gallon Storage Capacity
AA-005	HCl 32% Storage Tank 47,551-gallon Storage Capacity
AA-006	HCl 15% Storage Tank 47,551-gallon Storage Capacity
AA-007	HCl 15% Storage Tank 47,551-gallon Storage Capacity
AA-008	Cooling Tower
AA-009	Diesel-Fired CI Emergency Generator (South Plot) 670.511 hp/ 500 kW, 4.78 MMBTU/hr
AA-010	Diesel-Fired CI Emergency Generator (North Plot) 1,341.02 hp/ 1 MW, 10.55 MMBTU/hr
AA-011	Diesel-Fired CI Emergency Generator (North Plot) 2,011.533 hp/ 1.5 MW, 14.52 MMBTU/hr
AA-012	Diesel-Fired CI Emergency Firewater Pump (North Plot) 670.511 hp/ 500 kW, 4.78 MMBTU/hr
AA-013	Truck Loading Rack for HCl and Byproducts



### 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	$\leq 40\%$
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2	Equivalent Opacity	$\leq 40\%$
	11 Miss. Admin. Code Pt. 2, R. 1.3.C.	3.3	General Nuisances	Applicability
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	3.4	PM (Filterable Only)	$E = 4.1 \times p^{0.67}$
AA-009 AA-010 AA-011 AA-012	40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE))  40 CFR 63.6580, 63.6585(a) and (c), and 63.6590(c)(1), Subpart ZZZZ	3.5	HAP	Applicability and Compliance with Subpart ZZZZ by complying with NSPS Subpart IIII
	40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE))  40 CFR 60.4200(a)(2)(i) and (ii)	3.6	NMHC CO NO <sub>x</sub> PM	Applicability
	40 CFR 60.4207(b), Subpart IIII	3.7	Fuel Requirement	Use only diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel.
	40 CFR 60.4211(c), Subpart IIII	3.8	Engine Requirement	Purchase certified engine
	40 CFR 60.4206, Subpart IIII	3.9	NMHC CO NO <sub>x</sub> PM	Comply over the life of the engine.
	40 CFR 60.4211(f), Subpart IIII	3.10		Emergency operating requirements
	40 CFR 60.4202(a)(2) and 60.4205(b), Subpart IIII	3.11	NO <sub>x</sub> + NMHC	6.4 g/kW-hr
			CO	3.5 g/kW-hr
			PM	0.20 g/kW-hr
AA-009 AA-012	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.12	PM (Filterable Only)	$\leq 0.6$ lbs/MMBTU

AA-010 AA-011	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.13		$E = 0.8808 * I^{-0.1667}$
AA-012	40 CFR 60.4205(c) and Table 4, Subpart IIII	3.14	NOx + NMHC	4.0 g/kW-hr
			CO	3.5 g/kW-hr
			PM	0.20 g/kW-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 entire facility, the permittee shall not cause, permit, or allow the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in 11 Miss. Admin. Code Pt. 2, R. 1.3.A(1). This shall not apply to vision obscuration caused by uncombined water droplets.

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

- 3.3 For the entire facility, the permittee shall 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) No person shall cause or permit the handling or 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 this regulation, the Commission may order such corrected in a way that all air and gases or air and gas borne 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.)

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

$$E = 4.1 \times p^{0.67},$$

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

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

- 3.5 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee is subject to and shall comply with all applicable requirements of National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ) and the General Provisions (40 CFR 63, Subpart A). The permittee shall meet the requirements of 40 CFR 63, Subpart ZZZ, by meeting the requirements of 40 CFR 60, Subpart IIII. No further requirements apply for these emission points under Subpart ZZZZ.

(a) Emission Points AA-009, AA-010, and AA-011 are new diesel-fired CI emergency generators.

(b) Emission Point AA-012 is a new diesel-fired CI emergency firewater pump.

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

- 3.6 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee is subject to and shall comply with all applicable requirements of Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE) (40 CFR 60, Subpart IIII) and the General Provisions (40 CFR 60, Subpart A).

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

- 3.7 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee shall use diesel fuel that meets the requirements of 40 CFR 1090.305 for non-road diesel fuel.

(a) Maximum sulfur content of diesel fuel  $\leq 15$  ppm

(b) Minimum cetane index of 40

(c) Maximum aromatic content of 35 volume percent

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

- 3.8 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee shall comply by purchasing an engine certified to the emission standards in Condition 3.11 (40 CFR 60.4205(b)) and Condition 3.14 (40 CFR 60.4205(c)), as applicable. The engine must be installed and configured according to the manufacturer’s emission-related specifications.

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

- 3.9 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee shall operate and maintain the stationary CI ICE so that the engine achieves the emissions standards in Conditions 3.11 or 3.14, as applicable, over the entire life of the engine.

(Ref.: 40 CFR 60.4206, Subpart IIII)

- 3.10 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee shall operate the emergency stationary ICE according to the requirements in paragraphs (a) through (c). In order for the engine to be considered an emergency stationary ICE, any operation other than emergency operation maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) through (c), is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) through (c), the engine will not be considered an emergency engine under Subpart IIII and must meet all requirements for non-emergency engines.

- (a) There is no time limit on the use of emergency stationary ICE in emergency situations.
- (b) The permittee shall operate the emergency stationary ICE for any combination of the purposes specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (c) counts as part of the 100 hours per calendar year allowed.

Emergency stationary ICE may be operated 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 MDEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

- (c) Emergency stationary ICE 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 and emergency demand response. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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

- 3.11 For Emission Points AA-009, AA-010, and AA-011, the permittee shall comply with the following emission standards in 40 CFR 60, Subpart IIII, for the following pollutants:

- (a) NO<sub>x</sub> + NMHC: 6.4 g/kW-hr

(b) CO: 3.5 g/kW-hr

(c) PM: 0.20 g/kW-hr

(Ref.: 40 CFR 60.4202(a)(2) and 60.4205(b), Subpart IIII)

- 3.12 For Emission Points AA-009 and AA-012, the permittee shall not cause, allow or permit the emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input to exceed 0.6 pounds per million BTU per hour heat input.

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

- 3.13 For Emission Points AA-010 and AA-011, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations 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).)

- 3.14 For Emission Point AA-012, the permittee shall comply with the following emission standards in 40 CFR 60, Subpart IIII, for the following pollutants:

(a) NO<sub>x</sub> + NMHC: 4.0 g/kW-hr

(b) CO: 3.5 g/kW-hr

(c) PM: 0.20 g/kW-hr

(Ref.: 40 CFR 60.4205(c) & Table 4, Subpart IIII)

**SECTION 4. WORK PRACTICES**

***THIS SECTION WAS INTENTIONALLY LEFT BLANK SINCE NO WORK PRACTICE  
STANDARDS APPLY TO THIS PERMIT ACTION.***

## 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-002	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	Cl <sub>2</sub> and HCl	Performance Test
AA-009 AA-010 AA-011 AA-012	40 CFR 60.4211(g)(3), Subpart IIII	5.3	CI ICE Operation	Demonstrate compliance
	40 CFR 60.4214(b), Subpart IIII	5.4	Hours of Operation	Recordkeeping

- 5.1 The permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes, 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-002, the permittee shall conduct an initial performance test to determine the emissions of Chlorine (Cl<sub>2</sub>) and Hydrochloric Acid (HCl) using Test Method 26 or an EPA approved equivalent within 180 days of startup. The performance test shall be conducted while the process is operating at the maximum capacity for the process.

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

- 5.3 For Emission Points AA-009, AA-010, AA-011, and AA-012, if the permittee does not install, configure, operate, and maintain the engines 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, then the permittee shall demonstrate compliance with the emission standards in Section 3 by the following:

- (a) Keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- (b) Conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.



- (c) Conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter, to demonstrate compliance with the applicable emission standards from Section 3.

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

- 5.4 For Emission Points AA-009, AA-010, AA-011, and AA-012, the permittee is not required to submit an initial notification. The permittee shall keep records of the operation of the engine in emergency and non-emergency services that are recorded through the non-resettable hour meter. The permittee shall 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	Report deviations within five (5) working days
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Annual reporting
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	Certification by responsible official
	11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).	6.4	Notification of beginning actual construction within 15 days
	11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).	6.5	Notification when construction does not begin or is suspended
	11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).	6.6	Certification of completion of construction prior to operation
	11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).	6.7	Notification of changes in construction
AA-002	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.8	Submit written test protocols, provide notification of test date, and submit test results

6.1 The permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began.

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

6.2 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 31<sup>st</sup> for the preceding calendar year. 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).)

6.3 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).)

- 6.4 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).)
- 6.5 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).)
- 6.6 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).)
- 6.7 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).)
- 6.8 For Emission Point AA-002, for the performance testing required by Condition 5.2, the permittee shall submit the following notifications and/or reports:
- (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.
  - (b) A notification of the scheduled test date should be submitted ten (10) days prior to the scheduled test date so that an observer may be afforded the opportunity to witness the test.
  - (c) The results from each performance test shall be submitted to MDEQ within sixty (60) days following the completion of the test.
  - (d) The permittee shall include potential emissions calculations in tons per year for Chlorine (Cl<sub>2</sub>) and Hydrochloric Acid (HCl) using the results of the performance test. These calculations should be submitted within 60 days of the completion of the test.
- (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)