

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

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

## **THIS CERTIFIES THAT**

Amick Farms LLC  
Number 2, 631 Hawks Road  
Laurel, Mississippi  
Jones County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**

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**AUTHORIZED SIGNATURE**  
**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Issued:** \_\_\_\_\_

**Permit No.: 1360-00027**

**Effective Date: As specified herein.**

**Expires:**

*Draft/Proposed 7/7/2022*

**Section 1.**

**A. GENERAL CONDITIONS**

1. This permit is for air pollution control purposes only.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)
2. This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.4.D.)
3. Any activities not identified in the application are not authorized by this permit.  
(Ref.: Miss. Code Ann. 49-17-29 1.b)
4. The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)
5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)
6. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)
7. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)
8. The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission.

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

- 9. Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control.

(Ref.: Miss. Code Ann. 49-17-39)

- 10. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(7).)

- 11. This permit does not authorize a modification as defined in Regulation 11 Miss. Admin. Code Pt. 2, Ch.2., "Permit Regulations for the Construction and/or Operation of Air Emission Equipment." A modification may require a Permit to Construct and a modification of this permit. Modification is defined as "Any physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:
  - a. Routine maintenance, repair, and replacement;
  - b. Use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;
  - c. Use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;
  - d. Use of an alternative fuel or raw material by a stationary source which:

- (1) The source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 40 CFR 51.166; or
  - (2) The source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 40 CFR 51.166;
- e. An increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I or 40 CFR 51.166; or
- f. Any change in ownership of the stationary source.

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

**B. GENERAL OPERATIONAL CONDITIONS**

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

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

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

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

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

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

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

- a. Upsets

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

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

- (1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.
- (2) Where the source is unable to comply with existing emission limitations

established under the State Implementation Plan (SIP) and defined in this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).

- (3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

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

5. Compliance Testing: Regarding compliance testing:

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

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

**C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION**

1. For renewal of this permit, the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. If the applicant submits a timely and complete application pursuant to this paragraph and the Permit Board, through no fault of the applicant, fails to act on the application on or before the expiration date of the existing permit, the applicant shall continue to operate the stationary source under the terms and conditions of the expired permit, which shall remain in effect until final action on the application is taken by the Permit Board. Permit expiration terminates the

source's ability to operate unless a timely and complete renewal application has been submitted.

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

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

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

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

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

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

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

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

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

## SECTION 2G EMISSION POINT DESCRIPTION

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

Emission Point	Description
AA-002	Grain Receiving controlled via Baghouse
AA-003	Grain Grinding controlled via Baghouse
AA-004	Mineral Receiving controlled via Baghouse
AA-006	Feed Shipping Area #1
AA-007	Corn Receiving Pit #1
AA-009	Raw Material Storage Silo controlled via Baghouse
AA-010	1.2 MMBtu/hr natural gas-fired Water Heater #1
AA-011	1.5 MMBtu/hr natural gas-fired Water Heater #2
AA-012	20.4 MMBtu/hr natural gas-fired Boiler
AA-013	Pellet Cooler controlled via Cyclone #1
AA-014	10,000-gallon No. 2 Diesel Fuel Storage Tank
AA-015	Central Vacuum System
AA-016	Feed Shipping Area #2
AA-017	Corn Receiving Pit #2
AA-018	1,214 HP Hatchery Emergency Generator



### 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.	<a href="#">3.1</a>	Smoke/Opacity	Opacity shall not exceed 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	<a href="#">3.2</a>		
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	<a href="#">3.3</a>	Production	Total annual feed production shall not exceed 700,800 tpy (Title V / PSD Avoidance)
		<a href="#">3.4</a>	Operation	Control devices must operate at all times when processing (Title V / PSD Avoidance)
	40 CFR 60 Subpart DD Standards of Performance for Grain Elevators 40 CFR 60.300, Subpart DD	<a href="#">3.5</a>	Particulate Matter (Filterable only)	Applicability
	40 CFR 60.302(b) & (c), Subpart DD	<a href="#">3.6</a>		Process emission/fugitive emission limitations
	40 CFR 63 Subpart DDDDDDD National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing 40 CFR 63.11619(a) and (b)(1), Subpart DDDDDDD	<a href="#">3.7</a>	HAPs	Applicability
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	<a href="#">3.8</a>	Particulate Matter (Filterable only)	$E = 4.1 p^{0.67}$
AA-010 AA-011 AA-018	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a).	<a href="#">3.9</a>		Emissions shall not exceed 0.6 lbs/MMBtu
AA-012	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	<a href="#">3.10</a>		$E = 0.8808 * I^{-0.01667}$
	40 CFR 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	<a href="#">3.11</a>	SO <sub>2</sub> PM	Applicability

	40 CFR 60.40c(a), Subpart Dc			
AA-013	40 CFR 63.11621(f), Subpart DDDDDDD	3.12	HAPs	Must capture and route emissions to a cyclone
AA-015	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.13	Particulate Matter (Filterable only)	Install hour meter
AA-018	40 CFR 63, Subpart ZZZZ  National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  40 CFR 63.6590(c)(1), Subpart ZZZZ	3.14	HAPs	Applicability
	40 CFR 60, Subpart IIII  Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  40 CFR 60.4200(a)(2)(i), Subpart IIII	3.15	NMHC CO NOx PM	Applicability
	40 CFR 60.4205(b), and 60.4202(a)(2), Subpart IIII, and 40 CFR 89.112	3.16		Emissions Standards
	40 CFR 60.4211(c), Subpart IIII	3.17		Operate and maintain according to manufacturer's written instructions
	40 CFR 60.4207(b), Subpart IIII, and 40 CFR 80.510(b)	3.18	Fuel Requirement	Diesel fuel standards:  a) Max sulfur content of 15 ppm, and  b) Minimum cetane index of 40 or a maximum aromatic content of 35 volume percent
	40 CFR 60.4209(a), Subpart IIII	3.19	Hours of operation	Install a non-resettable hour meter
	40 CFR 60.4211(f), Subpart IIII	3.20		Operating Requirements

- 3.1. For the entire facility, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) and (b).

- (a) Startup operations may produce emissions which exceed forty (40) percent opacity for up to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four-hour period.
- (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity and provided further that the aggregate duration of such emissions during any twenty-four-hour period does not exceed ten minutes per billion BTU gross heating value of fuel in any one hour.

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

- 3.2. For the entire facility, except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of forty (40) percent opacity, equivalent to that provided in [Condition 3.1](#). This shall not apply to vision obscuration caused by uncombined water droplets.

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

- 3.3. For the entire facility, the permittee shall limit the total annual feed production to no more than 700,800 tons per year (tpy) as determined for each consecutive 12-month period on a rolling basis.

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

- 3.4. For the entire facility, the permittee shall operate control device(s) at all times when processing. Should the control device(s) become non-operational then the respective process shall be shutdown immediately, but not as to cause damage to the equipment, property, or further environmental problems. The process shall not startup until such time that the control device(s) becomes operational. The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the pollution control equipment.

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

- 3.5. For the entire facility, the permittee is subject to and shall comply with all applicable conditions of Standards of Performance for Grain Elevators, Subpart DD.

(Ref.: 40 CFR 60.300, Subpart DD)

- 3.6. For the entire facility, the permittee shall comply with the following emission standards for particulate matter:
  - (a) The permittee shall not cause to be discharged into the atmosphere any process emissions which:
    - 1) Contains particulate matter in excess of 0.023g/dscm (0.01gr/dscf).
    - 2) Exhibits greater than zero (0) percent opacity.
  - (b) The permittee shall not cause to be discharged into the atmosphere any fugitive emission from:

- 1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than five (5) percent opacity.
- 2) Any grain handling operation which exhibits greater than ten (10) percent opacity.
- 3) Any truck loading station which exhibits greater than ten (10) percent opacity.

(Ref.: 40 CFR 60.302(b) and (c), Subpart DD)

- 3.7. For the entire facility, the permittee is subject to and shall comply with all applicable conditions of National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing, Subpart DDDDDDD.

(Ref.: 40 CFR 63.11619(a) and (b)(1), Subpart DDDDDDD)

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

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

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).)

- 3.9. For Emission Points AA-010, AA-011, and AA-018, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input.

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

- 3.10. For Emission Point AA-012, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of equal to or greater than 10 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship:

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

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

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

- 3.11. For Emission Point AA-012, the permittee is subject to and shall comply with all applicable conditions of Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, Subpart Dc.

(Ref.: 40 CFR 60.40c(a), Subpart Dc)

- 3.12. For Emission Point AA-013, the permittee shall capture emissions and route them to a cyclone. The cyclone shall be maintained in accordance with good air pollution control

practices and manufacturer's specifications and operating instructions, if available. If manufacturer's specifications and operating instructions are not available, the permittee shall develop and follow standard operating procedures that ensure proper operation and maintenance of the cyclone.

(Ref.: 40 CFR 63.11621(f), Subpart DDDDDDD)

- 3.13. For Emission Point AA-015, the permittee shall install a non-resettable hour meter on the vacuum system, if one is not already installed.

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

- 3.14. For Emission Point AA-018, the facility is subject to and shall comply with all the applicable conditions of National Emissions Standards for Hazardous Air Pollutants (HAP) for Stationary Reciprocating Internal Combustion Engines, Subpart ZZZZ.

Emission Point AA-018 is a new, compression ignition (CI), diesel fired emergency generator with a displacement per cylinder between 10 and 30 liters located at an area source of HAPs. The permittee shall meet the requirements of Subpart ZZZZ by complying with 40 CFR 60, Subpart IIII.

(Ref.: 40 CFR 63.63590(c)(1), Subpart ZZZZ)

- 3.15. For Emission Point AA-018, the permittee is subject to and shall comply with all applicable conditions of Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, Subpart IIII.

Emission Point AA-018 is a compression ignition (CI), diesel fired emergency generator with a displacement per cylinder between 10 and 30 liters.

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

- 3.16. For Emission Point AA-018, the permittee shall comply with the following emission standards for new, non-road CI engines, for all pollutants, for the same model year and maximum engine power:

(a) NMHC + NO<sub>x</sub> – 6.4g/kg-hr

(b) CO – 3.5g/kw-hr

(c) PM – 0.20g/kw-hr

(Ref.: 40 CFR 60.4205(b), 60.4202(a)(2), Subpart IIII and 40 CFR 1039, Appendix I)

- 3.17. For Emission Point AA-018, the engine shall be certified to the emission standards in Condition 3.16 and shall be installed and configured according to the manufacturer's emission-related specifications.

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

- 3.18. For Emission Point AA-018, the permittee shall use only diesel fuel that meets the following requirements for non-road diesel:

(a) A maximum sulfur content of 15 ppm, and

- (b) A minimum cetane 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)

- 3.19. For Emission Point AA-018, the permittee shall install a non-resettable hour meter if one is not already installed.

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

- 3.20. For Emission Point AA-018, the permittee shall operate the emergency stationary ICE according to the requirements in (a) through (c) below. In order for the engine to be considered an emergency stationary ICE under 40 CFR Subpart IIII, 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 below, is prohibited. If you do not operate the engine according to the requirements below, the engine will not be considered an emergency engine 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) Emergency stationary ICE may be operated for maintenance checks and readiness testing for a maximum of a 100 hours per year, 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 MDEQ 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 indication 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 the 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)

## SECTION 4 WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Work Practice
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	4.1	VOC HAP	Operate all equipment as efficiently as possible and perform routine maintenance
	40 CFR 63.11621(a), Subpart DDDDDDD	4.2	HAPs	Management practices and standards for feeds manufacturing facilities
	40 CFR 63.11621(b), Subpart DDDDDDD	4.3		Store any raw materials containing chromium or manganese in closed containers
	40 CFR 63.11621(c), Subpart DDDDDDD	4.4		Operational Practices
AA-006 AA-016	40 CFR 63.11621(d), Subpart DDDDDDD	4.5	HAPs	Fugitive emissions management during loading/unloading operations
AA-018	40 CFR 60.4206, Subpart IIII	4.6	Compliance	Maintain emissions standards

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

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

- 4.2. For the entire facility, in all areas of the affected source where materials containing chromium or manganese are stored, used, or handled, the permittee shall operate all process equipment in accordance with the manufacturer's specifications and in a manner to minimize dust creation and perform housekeeping measures to minimize excess dust. These measures include, but are not limited to:

- (a) The permittee shall use either an industrial vacuum system (Emission Point AA-015) or manual sweeping to reduce the amount of dust;
- (b) At least once per month, the permittee shall remove dust from walls, ledges, and equipment using low pressure air or by other means, and then sweep or vacuum the area;
- (c) The permittee shall keep exterior doors in the immediate affected areas shut except during normal ingress and egress, as practicable. This does not apply to areas where finished product is stored in closed containers, and no other materials containing chromium or manganese are present

(Ref.: 40 CFR 63.11621(a), Subpart DDDDDDD)

- 4.3. For the entire facility, the permittee shall store any raw materials containing chromium or manganese in closed containers.  
(Ref.: 40 CFR 63.11621(b), Subpart DDDDDDD)
- 4.4. For the entire facility, the mixer where materials containing chromium or manganese are added shall be covered at all times when mixing is occurring, except when the materials are being added to the mixer. Materials containing chromium or manganese shall be added to the mixer in a manner that minimizes emissions.  
(Ref.: 40 CFR 63.11621(c), Subpart DDDDDDD)
- 4.5. For Emission Points AA-006 and AA-016, the permittee shall lessen the fugitive emissions by reducing the distance between the loadout spout and the vehicle being loaded by either:
- (a) Use a device of any kind at the bulk loadout spout that minimizes the distance to the vehicle being loaded, or
  - (b) Use any other means to minimize the distance between the loadout spout and the vehicle being loaded.
- (Ref.: 40 CFR 63.11621(d), Subpart DDDDDDD)
- 4.6. For Emission Point AA-018, the permittee shall operate and maintain the stationary Compression Ignition (CI) internal combustion engine so that it meets the emission standards in Condition 3.16 for the entire life of the engine.  
(Ref.: 40 CFR 60.4206, Subpart III)



## SECTION 5 MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	5.2	Maintenance	Routine maintenance inspections on control devices
		5.3	Particulate Matter (Filterable only)	Calculate emissions from production records
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.4		Record total feed production
	40 CFR 63.11624(c)(1), Subpart DDDDDDD	5.5	HAPs	Maintain documentation of Initial Notification or Notification of Compliance Status
	40 CFR 63.11624(c)(2), Subpart DDDDDDD	5.6		Annual monitoring report
	40 CFR 60.303, Subpart DD	5.7	Particulate Matter (Filterable only)	Perform test methods
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.8		Maintain records of all tests
AA-006 AA-016	40 CFR 63.11622(a), Subpart DDDDDDD	5.9	HAPs	Perform monthly inspections of loadout devices
	40 CFR 63.11624(c)(3), Subpart DDDDDDD	5.10		Maintain records of all inspections
AA-012	40 CFR 60.48c(g), Subpart Dc	5.11	Fuel Usage	Record and maintain natural gas usage
AA-013	40 CFR 63.11622(b)(1) & (3), Subpart DDDDDDD	5.12	HAPs	Perform weekly/biennial cyclone inspections
	40 CFR 63.11624(c)(5), Subpart DDDDDDD	5.13		Maintain records of cyclone inspections
AA-015	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)	5.14	Particulate Matter (Filterable only)	Maintain log of weekly service hours
AA-018	40 CFR 60.4214(b), Subpart IIII	5.15	Recordkeeping	Maintain records of hours of operation
	40 CFR 60.4211(a), Subpart IIII	5.16	Compliance	Operate and maintain according to manufacturer's written instruction

- 5.1 The permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to the 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 the entire facility, the permittee shall perform routine maintenance inspections on all control devices and air emission equipment on a weekly basis to make sure it is operating as designed. A record documenting the date of the inspections, the name of the person who performs the inspections, and any maintenance conducted shall be kept at the facility and be made available to the DEQ upon request.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)
- 5.3. The permittee shall maintain production records and the calculated particulate matter emissions for each month and each consecutive 12-month period on a rolling basis.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)
- 5.4. The permittee shall maintain sufficient records to document the total feed production in tons per year on a monthly and for each consecutive 12 month period on a rolling basis.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 5.5. The permittee shall retain a copy of all documentation supporting any Initial Notification or Notification of Compliance Status as required by 40 CFR Part 63.11624(a) and in accordance with 40 CFR Part 63.10(b)(2)(xiv).  
(Ref.: 40 CFR 63.11624(c)(1), Subpart DDDDDDD)
- 5.6. The permittee shall retain copies of all Annual Monitoring Reports required by Condition 6.5  
(Ref.: 40 CFR 63.11624(c)(2), Subpart DDDDDDD)
- 5.7. For the entire facility, the permittee shall demonstrate compliance with [Condition 3.6](#) by performing any applicable performance test as specified in 40 CFR 60.303, Subpart DD. These tests shall be performed according to the following schedules:
- (a) Methods 1-4: Perform tests biennially (not to exceed 25 months from the previous test)
  - (b) Method 5 or Method 17: Perform tests biennially (not to exceed 25 months from the previous test)
  - (c) Method 9: Perform tests monthly
- (Ref.: 40 CFR 60.303, Subpart DD and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 5.8. For the entire facility, the permittee shall maintain sufficient records of the tests required by Condition 5.7. These records shall include: the date the test was performed, the name of the person who performed the test, the method used, and all data related to the test.  
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)
- 5.9. For Emission Points AA-006 and AA-016, the permittee shall perform monthly inspections of each device required by Condition 4.5.  
(Ref.: 40 CFR 63.11622(a), Subpart DDDDDDD)
- 5.10. For Emission Points AA-006 and AA-016, the permittee shall maintain sufficient records of the inspections required by Condition 5.9. These reports shall include:
- (a) The date, place, and time of each inspection;
  - (b) The name of the person performing the inspection;
  - (c) The inspection results, including the date, time, and duration of the corrective action period from the time the inspection indicated a problem to the time of the indication that the device was replaced or restored to operation.
- (Ref.: 40 CFR 63.11624(c)(3), Subpart DDDDDDD)
- 5.11. For Emission Point AA-012, the permittee is limited to using only natural gas as a fuel source. The permittee shall record and maintain records of either of the following:
- (a) Record and maintain records of the amount of each fuel combusted during each operating day, or
  - (b) Record and maintain records of the amount of each fuel combusted during each calendar month, or
  - (c) Record and maintain records of the total amount of natural gas delivered to the property each month.
- (Ref.: 40 CFR 60.48c(g), Subpart Dc)
- 5.12. For Emission Point AA-013, the permittee shall perform the following monitoring requirements:
- (a) Perform quarterly inspections of the cyclone for corrosion, erosion, or any other damage that could result in air in-leakage, and
  - (b) Perform a weekly visual inspection of the cyclone to ensure it is operating consistent with good air pollution control practices.
- (Ref.: 40 CFR 63.11622(b)(1) & (3), Subpart DDDDDDD)
- 5.13. For Emission Point AA-013, the permittee shall keep records of the following:
- (a) Records of all quarterly inspections, as required by Condition 5.12(a), including:
    - 1) The date, place, and time of each inspection;
    - 2) Name of the person performing the inspection;

- 3) Results of the inspection, including the date, time, and duration of the corrective action period from the time the inspection indicated a problem to the time of the indication that the cyclone was restored to proper operation.
- (b) Records of weekly visual inspection, as required by Condition 5.12(b), including a record of any corrective action taken as a result of the inspection. All records shall be kept in a form suitable and readily available for expeditious review. Records shall be maintained for 5 years following the date of each recorded action and must be kept onsite for at least 2 years.
- (Ref.: 40 CFR 63.11624(c)(5) and (7)-(9), Subpart DDDDDDD)
- 5.14. For Emission Point AA-015, the permittee shall demonstrate compliance with Condition 4.2(a) by keeping a logbook or electronic log on site. The permittee shall use the hour meter of the vacuum system, required by Condition 3.13, to document the weekly hours of service performed by the vacuum system and record the weekly hours of service in the logbook. If the permittee performs manual sweeping than the log shall contain the date, time, and duration that the permittee performs the manual sweeping.
- (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)
- 5.15. For Emission Point AA-018, the permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter as required by Condition 3.19. 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)
- 5.16. For Emission Point AA-018, the permittee shall comply with the following:
- (a) Operate and maintain the stationary CI ICE and control device according to the manufacturer's emission-related written instructions; and
  - (b) Change only those emission-related settings that are permitted by the manufacturer; and
  - (c) Meet the requirements of CFR parts 89, 94, and/or 1068, as they apply.
- (Ref.: 40 CFR 60.4211(a), 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 permit deviations within five (5) working days.
		6.2	Submit certified annual monitoring report.
		6.3	All documents submitted to DEQ shall be certified by a Responsible Official.
		6.4	Performance stack test notification requirements
	40 CFR 63.11624(b), Subpart DDDDDDD	6.5	Submit annual monitoring report

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

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

- 6.2. For Except as otherwise specified herein, the permittee shall submit a certified annual synthetic minor monitoring report postmarked no later than 31st of January for the preceding calendar year. This report shall address any required monitoring specified in the permit. All instances of deviations from permit requirements must be clearly identified in the report. Where no monitoring data is required to be reported and/or there are no deviations to report, the report shall contain the appropriate negative declaration.

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

- 6.3. Any document required by this permit to be submitted to the 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. For any required performance stack testing, the permittee shall submit 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 DEQ. Also, the permittee shall notify the DEQ in writing at least ten (10) days prior to the intended test date(s) so that an observer may be afforded the opportunity to witness the test.

The permittee shall submit a copy of each performance test report within 60 days after the test has been completed.

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

6.5. For the entire facility, the permittee shall submit the annual monitoring report required by Condition 5.6 postmarked no later than the 31<sup>st</sup> of January of each year. The reports shall include:

- (a) Your company's name and address,
- (b) A statement by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of Subpart DDDDDDD.

The report shall also include any instances of:

- (c) Any time compliance with Subpart DDDDDDD is not met, with a description of deviations from the applicable requirements, the time periods during which the deviations occurred, and the corrective actions take.
- (d) Any time in which the cyclone was not operating properly as required by Condition 3.12.

(Ref.: 40 CFR 63.11624(b), Subpart DDDDDDD)