STATE OF MISSISSIPPI
AND FEDERALLY ENFORCEABLE
AIR POLLUTION CONTROL
PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT AT A SYNTHETIC MINOR SOURCE

THIS CERTIFIES THAT

Mississippi Lime Company, dba Falco Lime
1543 Haining Road
Vicksburg, Mississippi
Warren County

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

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

_____

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: _____ **Permit No.: 2780-00014**

Effective Date: As specified herein.

Expires: [No more than 5 years from the issue date.]

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 2
EMISSION POINT DESCRIPTION

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

Emission Point	Description
AA-001	Barge Receiving Hopper with Baghouse
AA-002	Barge Belt Conveyor Transfer with Baghouse
AA-004	#3 Quicklime Silo / #1 Quicklime Silo Transfer with Baghouse – Silos 1 and 3 share a baghouse on top of Silo #3
AA-005	#4 Quicklime Silo / #2 Quicklime Silo Transfer with Baghouse – Silos 2 and 4 share a baghouse on top of Silo #4
AA-006	A Silo and B Silo Rail Receiving Conveyor with Baghouse – Baghouse associated with AA-007A
AA-007A	A Silo and B Silo with Baghouse
AA-007B	A Silo and B Silo Loadout
AA-008	Hydrator with Wet Scrubber
AA-009	#1 Air Separator with Baghouse
AA-011	#2 Air Separator with Baghouse
AA-012A	Standard Hydrate Silo #1 and #2 Receiving with Baghouse
AA-012B	Standard Hydrate Silo #1 and #2 Truck Loadout with Baghouse
AA-015A	Lime Silo #1 Conveyor Receiving with Baghouse
AA-015B	Lime Silo # 1 Truck Loadout with Baghouse
AA-016	Liquid Calcium Hydrate Storage Silo with LCH Mix Tank and Baghouse
AA-017	Barge Hydrate Loadout Vessel with Baghouse
AA-018	Barge Hydrate Loadout Spout with Baghouse
AA-019A	RG Hydrate Silo Receiving with Baghouse
AA-019B	RG Hydrate Silo Truck Loadout with Baghouse
AA-020A	Lime Silo #2 Receiving with Baghouse
AA-020B	Lime Silo #2 Truck Loadout with Baghouse
AA-021	Barge Hopper Loadout

Emission Point	Description
AA-025	Lime Rail Direct to Truck Transfer
AA-026	Wash Rack and Settling Basins
AA-027	Maintenance – Welding Operations
AA-028	Maintenance – Metal Working Operations
AA-029	15,000 Gallon Diesel Storage Tank
AA-030	2,000 Gallon Barge Diesel Storage Tank
AA-031A	#1 Quicklime Silo Truck Loadout
AA-031B	#2 Quicklime Silo Truck Loadout
AA-031C	#3 Quicklime Silo Truck Loadout
AA-031D	#4 Quicklime Silo Truck Loadout
AA-032	Tailings Bin with Bin Bent
AA-033	Lime Receiving Silo Rail Receiving to Conveyor
AA-034	High Water Barge Unloading Hopper
AA-035	500 Gallon Motor Oil Tank
AA-036	Truck Fueling
AA-037	Barge Equipment Fueling
AA-038	Portable Industrial Vacuum
AA-039	Portable Slurry Pump
AA-040	150 kW (201.1 HP) Diesel-Fired 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.	3.1	Smoke / Opacity	Opacity shall not exceed 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2		
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	3.3	PM (Filterable only)	$E = 4.1p^{0.67}$
AA-015A AA-015B AA-033 AA-034	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.4	Throughput	< 100,000 tons/year
AA-016	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.5	Throughput	< 3,335 tons/year
AA-025	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.6	Throughput	< 45,000 tons/year
AA-001 AA-002 AA-004 AA-005 AA-006 AA-007A AA-008 AA-009 AA-011 AA-012A AA-012B AA-015A AA-015B AA-016 AA-017 AA-018 AA-019A AA-019B AA-020A AA-020B AA-032	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.7	PM/PM_{10} (Filterable Only)	Control equipment shall be operated at all times when emissions may be vented to it.
		3.8	Opacity	Shall not exceed 10%
AA-001 AA-002 AA-004 AA-005 AA-021	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.9	Throughput	< 500,000 tons/year

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limitation/Standard
AA-040	40 CFR 63, Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines 40 CFR 63.6585(a) and (c), and 40 CFR 63.6590(2)(a)(iii), and 40 CFR 63.6590(c)(1), Subpart ZZZZ	3.10	HAP	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	3.11	NMHC CO NOx PM	Applicability
	40 CFR 60.4205(b), and 60.4202(a)(2), Subpart IIII, and 40 CFR 89.112	3.12		Emissions Standards
	40 CFR 60.4211(c), Subpart IIII	3.13		Operate and maintain according to manufacturer's written instructions
	40 CFR 60.4207(b), Subpart IIII, and 40 CFR 80.510(b)	3.14	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	3.15	Hours of Operation	Install a non-resettable hour meter
	40 CFR 60.4211(f), Subpart IIII	3.16		Operating Requirements
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a)	3.17	PM (Filterable only)	0.6 lbs/MMBtu

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, no person shall 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

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

Where "E" is the emission rate in pounds per hour and "p" is the process weight input rate in tons per hour.

Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs.

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

3.4. For Emission Points AA-015A, AA-015B, AA-033, and AA-034, the permittee shall limit the throughput of each Emission Point to less than 100,000 tons per year on a rolling 12-month basis.

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

3.5. For Emission Point AA-016, the permittee shall limit the throughput to less than 3,335 tons per year on a rolling 12-month basis.

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

3.6. For Emission Point AA-025, the permittee shall limit the throughput to less than 45,000 tons per year on a rolling 12-month basis.

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

3.7. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, pollution control equipment shall be operated at all times when emissions may be vented to it.

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

3.8. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, the permittee shall not allow the opacity to exceed 10% from any emissions source, as determined by EPA Test Method 9, 40 CFR 60, Appendix A.

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

3.9. For Emission Points AA-001, AA-002, AA-004, AA-005, and AA-021, the permittee shall limit the throughput of each Emission Point to less than 500,000 tons per year on a rolling 12-month basis. When determining throughput for this collection of emission points, it should be noted that these emission points work in series and that mass is conserved as it passes through them. Therefore, while each individual emission point is afforded a 500,000 tons per year throughput limit, the mass is singular as a whole.

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

3.10. For Emission Point AA-040, 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-040 is a new Compression Ignition (CI), diesel fired emergency generator with a displacement per cylinder of < 10 liters located at an area source of HAP. The permittee shall meet the requirements of Subpart ZZZZ by complying with 40 CFR 60, Subpart IIII.

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

3.11. For Emission Point AA-040, 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-040 is a Compression Ignition (CI), diesel fired emergency generator with a displacement per cylinder of < 10 liters.

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

3.12. For Emission Point AA-040, 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 + NOx – 6.4g/kg-hr

b) CO – 3.5g/kw-hr

c) PM – 0.20 g/kw-hr

(Ref.: 40 CFR 60.4205(b), 60.4202(a)(2), Subpart IIII and 40 CFR 89.112)

3.13. For Emission Point AA-040, the engine shall be certified to the emission standards in Condition 3.12 and shall be installed and configured according to the manufacturer's emission-related specifications.

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

3.14. For Emission point AA-040, 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 80.510(b))

3.15. For Emission Point AA-040, the permittee shall install a non-resettable hour meter prior to startup of the engine if one is not already installed.

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

3.16. For Emission Point AA-040, 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 60 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, 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)

3.17. For Emission Point AA-040, 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).)

SECTION 4
WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Work Practice
AA-040	40 CFR 60.4206, Subpart IIII	4.1	Compliance	Maintain emissions standards

4.1. For Emission Point AA-040, the permittee shall operate and maintain the stationary Compression Ignition (CI) Internal Combustion Engine (ICE) so that it meets the emission standards in Condition 3.12 for the entire life of the engine.

(Ref.: 40 CFR 60.4206, Subpart IIII)

SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
AA-001 AA-002 AA-004 AA-005 AA-015A AA-015B AA-016 AA-021 AA-025 AA-033 AA-034	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	Throughput	Maintain monthly throughput records
AA-001 AA-002 AA-004 AA-005 AA-006 AA-007A AA-008 AA-009 AA-011 AA-012A AA-012B AA-015A AA-015B AA-016 AA-017 AA-018 AA-019A AA-019B AA-020A AA-020B AA-032	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.3	Control Devices	Record any time the control device is not operated when emissions are vented to it
		5.4	Visible Emissions	Weekly inspections for visible emissions
		5.5	Maintenance Inspections	Weekly maintenance inspections
		5.6	Recordkeeping	Maintain records of each visible emissions inspection and maintenance inspections
AA-040	40 CFR 60.4214(b), Subpart IIII	5.7	Recordkeeping	Maintain records of hours of operation
	40 CFR 60.4211(a), Subpart IIII	5.8	Compliance	Operate and maintain according to manufacturer's written instructions

5.1 The permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of

such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request.

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

5.2. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-015A, AA-015B, AA-016, AA-021, AA-025, AA-033, and AA-034, the permittee shall maintain monthly records of throughput and keep a record of the 12-month rolling total for each emission point to demonstrate compliance with Conditions 3.4, 3.5, 3.6, and 3.9.

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

5.3. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, the permittee shall record any time that a control device is not operated while emissions from the respective process are vented. The record shall include: emission point ID, date, time, and duration of each occurrence.

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

5.4. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, the permittee shall conduct weekly inspections for visible emissions (one-minute interval) of all PM emission sources equipped with a control device (i.e., baghouse or scrubber). If any visible emissions are observed, a visible emissions evaluation shall be conducted by a certified observer on the same day of the inspection to determine the opacity in accordance with EPA Test Method 9 found in 40 CFR 60, Appendix A. All visible emissions inspections shall be conducted while the source is operating.

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

5.5. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, the permittee shall perform weekly maintenance inspections on each control device to ensure proper operation. If any problems are found, the process shall be shut down until the control device is fully operational and consistent with the manufacturer's specifications.

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

5.6. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-

018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, the permittee shall maintain a log recording the following:

a) The date, time, and emission point inspected;

b) Whether the control device is operating within manufacturer's specifications;

c) Whether any air emissions (except for water vapor) were visible from the emission point;

d) The results of all Method 9 opacity determinations;

e) Any corrective action taken as a result of visible emissions observed and/or exceeding the opacity;

f) Any corrective action taken as a result of the control device not operating correctly.

This log may be maintained in hard copy or electronic form as long as it is available onsite for inspection by DEQ personnel.

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

5.7. For Emission Point AA-040, 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 required by Condition 3.15. 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)

5.8. For Emission Point AA-040, 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;

b) Change only those emission-related settings that are permitted by the manufacturer; and

c) Meet the requirements of 40 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.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Submit certified annual monitoring report.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
AA-001 AA-002 AA-004 AA-005 AA-015A AA-015B AA-016 AA-021 AA-025 AA-033 AA-034	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.4	Submit records of throughput
AA-001 AA-002 AA-004 AA-005 AA-006 AA-007A AA-008 AA-009 AA-011 AA-012A AA-012B AA-015A AA-015B AA-016 AA-017 AA-018 AA-019A AA-019B AA-020A AA-020B AA-032	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.5	Submit records for each control device deviation in operation

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

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

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

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

6.3 Any document required by this permit to be submitted to the MDEQ shall contain a certification signed by a responsible official stating that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

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

6.4. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-015A, AA-015B, AA-016, AA-021, AA-025, AA-033, and AA-034, the permittee shall submit the records required by Conditions 5.2 and 5.6. All records submitted shall be in accordance with Condition 6.2.

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

6.5. For Emission Points AA-001, AA-002, AA-004, AA-005, AA-006, AA-007A, AA-008, AA-009, AA-011, AA-012A, AA-012B, AA-015A, AA-015B, AA-016, AA-017, AA-018, AA-019A, AA-019B, AA-020A, AA-020B, and AA-032, the permittee shall submit in accordance with 6.2 the records of each time the control device was not operated when emissions were vented to it.

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