

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

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

**THIS CERTIFIES THAT**

Keesler Air Force Base  
81 CES CEV  
Building 4705  
Harrison County, Mississippi

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:** MAY 24 2018

**Permit No.: 1020-00006**

**Effective Date: As specified herein.**

**Expires:**

**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. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)
11. 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).)
12. 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 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 40CFR 51.66;
- 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 Subpart I or 40 CFR 51.166; or
- f. Any change in ownership of the stationary source.

(11 (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.

<b>Emission Point</b>	<b>Description</b>
AA-009	12.246 MMBTU/hr Natural gas-fired Boiler No. 1 with No.2 Fuel Oil backup
AA-010	12.246 MMBTU/hr Natural gas-fired Boiler No. 2 with No.2 Fuel Oil backup
AA-011	12.246 MMBTU/hr Natural gas-fired Boiler No. 3 with No.2 Fuel Oil backup
AB-001	Base-wide natural gas-fired external combustion units (each individual unit <10 MMBTU/hr)
AG-001	Base-wide backup emergency generator and fire pump engines (installed prior to August 29, 2005)
AG-002	Base-wide backup emergency generator and fire pump engines (installed after August 29, 2005)
AK-001	Woodworking Cyclone for Building 3916
AK-002	Woodworking Cyclone for Building 3902
AK-004	Woodworking Cyclone for Building 5904
AK-005	Indoor Firing Range filtration system
AL-001	Fuel Loading Rack (JP-8 Racks, one gasoline rack, and one diesel rack)
AM-001	Bead Blasting Operations at Buildings 4303, 4430, and 6005
AS-001	De-painting operations of vehicles and equipment at Building 4302
AS-003	Spray booth(s) in Building 4301
AS-006	Motor Vehicle Shop Spray Booth in Building 4432
AS-007	Paint Shop spray booth in Building 3916
AS-008	Paint Shop Powder Coat booth in Building 3916
AS-009	Solvent Degreasing Operations in Buildings 3518, 4221-1, 4221-2, and 4254
AS-010	Base-wide Equipment Inspection and Solvent Usage
AT-001	Base-wide Fuel Storage Tanks



### SECTION 3 EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-009, AA-010, and AA-011	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b)	3.1	PM	$E = 0.8808 * T^{-0.1667}$
	NSPS for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc	3.2	SO <sub>2</sub>	Applicability
	40 CFR Part 60.40c(a)			
	40 CFR Part 60.42c(d)	3.3	Fuel Sulfur Content	≤ 0.05 weight percent
	NESHAP for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR Part 63, Subpart JJJJJ	3.4	Area Source HAPs	Applicability
	40 CFR Part 63.11193 and 40 CFR Part 63.11194(a)(1), (b), and (e)			
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.5	Fuel Oil	48 Hours per Calendar Year (per Affected Source)
AA-009, AA-010, AA-011, and AB-001	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.6	SO <sub>2</sub>	4.8 lbs/MMBTU
AB-001	11 Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.7	Heat Input Capacity	≤ 87 MMBTUH (combined rated capacity)
AB-001, AG-001, and AG-002	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a)	3.8	PM	0.6 lb/MMBTU
AG-001 and AG-002	11 Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.9	Engine Nameplate Capacity	≤ 25,961-Horsepower (combined rated capacity)
AG-001 and AG-002	NESHAP for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ  40 CFR Part 63.6580, 40 CFR Part 63.6585(a) and (c), 40 CFR Part 63.6590(a)(1)(iii), and 40 CFR Part 63. 6590(c)(1)	3.10	Area Source HAPs	Applicability
AG-001	Item 4 and Footnotes 1 and 2 of Table 2d to 40 CFR Part 63, Subpart ZZZZ; Item 9 of Table 6 to 40 CFR Part 63, Subpart ZZZZ; and 40 CFR Part 63.6625(i)	3.11	Area Source HAPs	Operational requirements

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AG-002	NSPS for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart IIII  40 CFR Part 60.4200(a)(2)	3.12	NO <sub>x</sub> , CO, VOC	Applicability
	40 CFR Part 60.4205(a)-(b))	3.13	NO <sub>x</sub> , CO, VOC	Compliance standards based on engine model year and displacement
	40 CFR Part 60.4205(c))	3.14	NO <sub>x</sub> , CO, VOC	Fire pump engines with a displacement < 30 l/cyl must comply Table 4 to Subpart IIII
	40 CFR Part 60.4205(d)	3.15	NO <sub>x</sub>	Compliance standards based on engine model year, displacement and maximum engine speed
	40 CFR Part 60.4205(e)	3.16	NO <sub>x</sub> , CO, VOC	NTE standards required for RICE with a displacement < 30 liters per cylinder who conduct performance tests in-use
	40 CFR Part 60.4205(f)	3.17	NO <sub>x</sub> , CO, VOC	Compliance standards based on engine model year, maximum engine power, and displacement
	40 CFR Part 60.4206	3.18	NO <sub>x</sub> , CO, VOC	Continuous Compliance
	40 CFR Part 60.4207(b), (d), and (e)	3.19	Fuel Content	15 ppm maximum sulfur content and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.
	40 CFR Part 60.4209(a)-(b)	3.20	Hour Meter and Diesel particulate filters	Must install hour meter(s) and Diesel particulate filter installation requirements
	40 CFR Part 60.4211(a)	3.21	Operations	Emission-related settings
AK-001, AK-002, AK-004, AK-005, and AM-001	11 Miss. Admin. Code Pt. 2, R. 1.3. F(1)	3.22	PM	$E = 4.1 p^{0.67}$
AT-001	11 Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.23	VOC	Minimizing Emissions
	NESHAP for Source Category: Gasoline Dispensing Facilities, 40 CFR Part 63, Subpart CCCCCC  40 CFR Part 63.11110, 40 CFR Part 63.11111, and 40 CFR Part 63.11112	3.24	Area Source HAPs	Applicability
	40 CFR Part 63.11115(a)	3.25		Minimizing Emissions
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10); 40 CFR Part 63.11116(a), (c), and (d); and 40 CFR Part 63.11113(a)(2)	3.26		≤ 10,000 gallons/month and handling procedures
	11 Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.27	Operations	Aerospace Ground Equipment (AGE) Exemption from permit requirements
Facility-Wide	11 Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.28	CO, NO <sub>x</sub> , and VOC	≤ 99 tpy

	11 Miss. Admin. Code Pt. 2, R.2.2.B(10)	3.29	Total and Individual HAPs	≤ 24 tpy and ≤ 9 tpy
	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.30	Opacity	Facility-wide opacity limitations

- 3.1 For Emission Points AA-009, AA-010, and AA-011, the permittee shall not have particulate emissions from fossil fuel burning installations of greater than 10 MMBTU/hr heat input that exceeds the emission rate as determined by the relationship:

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

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))

- 3.2 For Emission Points AA-009, AA-010, and AA-011, the permittee is subject to 40 CFR Part 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. (Ref. 40 CFR Part 60.40c(a))
- 3.3 For Emission Points AA-009, AA-010, and AA-011, the permittee shall not combust fuel oil that contains greater than 0.5 weight percent sulfur. (Ref. 40 CFR Part 60.42c(d))
- 3.4 For Emission Points AA-009, AA-010, and AA-011, the permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR Part 63, Subpart JJJJJ. However, while each boiler has the capability of combusting No. 2 fuel oil, each boiler only combusts No. 2 fuel oil for purposes of readiness testing, and thus meets the 40 CFR Part 63.11237 definition of a gas-fired boiler and are therefore not subject to any emission or operating limitations or monitoring, recordkeeping, or reporting requirements of 40 CFR Part 63, Subpart JJJJJ. (Ref. 40 CFR Part 63.11195 and 63.11237)
- 3.5 For Emission Points AA-009, AA-010, and AA-011, the permittee shall limit operations of each boiler with No. 2 fuel oil and/or diesel fuel to less than or equal to 48 hours during any calendar year. However, periods of start-up, natural gas curtailment, or natural gas supply emergencies will not count towards the referenced operational restriction for each boiler. (Ref: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)
- 3.6 For Emission Points AA-009, AA-010, AA-011, and AB-001, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1))

- 3.7 For Emission Point AB-001, the permittee shall not exceed a maximum combined heat input capacity of facility-wide external combustion stationary sources of air criteria pollutant emissions of 87 MMBTU/hr. (11 Miss. Admin. Code Pt. 2, R.2.2.B( 10))
- 3.8 For Emission Point AB-001, AG-001, and AG-002, the permittee shall not have particulate emissions (PM) from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a))
- 3.9 For Emission Points AG-001 and AG-002, the permittee shall not exceed a maximum combined nameplate capacity of facility-wide internal combustion stationary sources of air criteria pollutant emissions (emergency generator engines and emergency fire pump engines) of 25,961-Horsepower.

A list of emergency engines and respective nameplate capacity information is provided in Appendix A of this permit.

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

- 3.10 For Emission Points AG-001 and AG-002, the permittee is subject to the requirements of 40 CFR Part 63, Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).

Emergency engines within Emission Point AG-001 are existing stationary RICE located at an area source of HAP emissions, and as such, must meet the operational requirements of 40 CFR Part 63, Subpart ZZZZ.

Emergency engines within Emission Point AG-002 are new or reconstructed stationary RICE located at an area source and must meet the requirements of 40 CFR Part 63, Subpart ZZZZ, by meeting the requirements of 40 CFR Part 60, Subpart IIII, for compression ignition engines. No further requirements apply for such engines under of 40 CFR Part 63, Subpart ZZZZ, or the General Requirements of 40 CFR Part 63, Subpart A.

A list of emergency engines and respective NESHAP ZZZZ and NSPS IIII applicability determination information is provided in Appendix A of this permit.

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

- 3.11 For Emission Point AG-001, the permittee must meet the following requirements:
- a. Change the oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- d. Operate and maintain the stationary RICE and after treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan, which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

The permittee has the option to utilize an oil analysis program in order to extend the specified oil change requirement specified above. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee must change the oil within 2 business days or before commencing operation, whichever is later. The permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. The permittee must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

(Ref.: Item 4 and Footnotes 1 and 2 of Table 2d to 40 CFR Part 63Subpart ZZZZ, Item 9 of Table 6 to 40 CFR Part 63, Subpart ZZZZ and 40 CFR Part 63.6625(i))

- 3.12 For Emission Point AG-002, the permittee is subject to Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart III.

Each emergency engine within Emission Point AG-002 are engines for which construction commenced after July 11, 2005, where the emergency engines were

manufactured after April 1, 2006, and are not fire pump engines, or were manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

(Ref.: 40 CFR Part 60.4200(a)(2))

- 3.13 For Emission Point AG-002, for pre-2007 model year emergency engines with a displacement of less than 10 liters per cylinder, the permittee shall comply with the emission standards in Table 1 of Subpart III.

For pre-2007 model year non-emergency engines with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder, the permittee shall comply with the emission standards in 40 CFR 94.8(a)(1).

For 2007 or later model year emergency engines with a displacement of less than 30 liters per cylinder, the permittee shall comply with the emission standards for new nonroad CI engines in 40 CFR 6 Part 60.4202. (Ref.: 40 CFR Part 60.4205(a)-(b))

- 3.14 For Emission Point AG-002, for fire pump engines within with a displacement of less than 30 liters per cylinder, the permittee shall comply with the emission standards in Table 4 to Subpart III. (Ref.: 40 CFR Part 60.4205(c))

- 3.15 For Emission Point AG-002, emergency engines with a displacement of greater than or equal to 30 liters per cylinder shall meet the following requirements:

- a. For engines installed prior to January 1, 2012, limit the emissions of NO<sub>x</sub> in the emergency engine exhaust to the following:

- (1) 17.0 g/KW-hr (12.7 g/HP-hr) when maximum engine speed is less than 130 rpm;
- (2)  $45 \cdot n^{-0.2}$  g/KW-hr ( $34 \cdot n^{-0.2}$  g/HP-hr) when maximum engine speed is 130 or more but less than 2,000 rpm, where n is maximum engine speed; and
- (3) 9.8 g/kW-hr (7.3 g/HP-hr) when maximum engine speed is 2,000 rpm or more.

- b. For engines installed on or after January 1, 2012, limit the emissions of NO<sub>x</sub> in the emergency engine exhaust to the following:

- (1) 14.4 g/KW-hr (10.7 g/HP-hr) when maximum engine speed is less than 130 rpm;
- (2)  $44 \cdot n^{-0.23}$  g/KW-hr ( $33 \cdot n^{-0.23}$  g/HP-hr) when maximum engine speed is greater than or equal to 130 but less than 2,000 rpm and where n is maximum engine speed; and
- (3) 7.7 g/KW-hr (5.7 g/HP-hr) when maximum engine speed is greater than or equal to 2,000 rpm.

(Ref.: 40 CFR Part 60.4205(d))

- 3.16 For Emission Point AG-002, emergency engines with a displacement of less than 30 liters per cylinder who conduct performance tests in-use must meet the NTE standards as indicated in 40 CFR Part 60.4212. (Ref.: 40 CFR Part 60.4205(e))
- 3.17 For Emission Point AG-002, for any modified or reconstructed emergency engine subject to Subpart IIII, the permittee must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed emergency engine that are specified in 40 CFR Part 60.4205(a)-(e). (Ref.: 40 CFR Part 60.4205(f))
- 3.18 For Emission Point AG-002, the permittee must operate and maintain each emergency engine that achieves the emission standards as required in 40 CFR Part 60.4205 over the entire life of the engine. (Ref.: 40 CFR Part 60.4206)
- 3.19 For Emission Point AG-002, the permittee shall meet the following fuel requirements:
- a. For emergency engines with a displacement of less than 30 liters per cylinder, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, cited below:
    - (1) 15 ppm maximum Sulfur content; and
    - (2) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.
  - b. For emergency engines with a displacement of greater than or equal to 30 liters per cylinder, the permittee shall use fuel that meets a maximum per-gallon sulfur content of 1,000 parts per million (ppm). (Ref.: 40 CFR Part 60.4207(d))
  - c. For engines that have a national security exemption under 40 CFR Part 60.4200(d) are exempt from the fuel requirements in 40 CFR Part 60.4207
- (Ref.: 40 CFR Part 60.4207(b), (d), and (e))
- 3.20 For Emission Point AG-002, the permittee shall meet the following requirements:
- a. For any emergency engine that does not meet the standards applicable to non-emergency engines, the permittee shall install a non-resettable hour meter prior to startup of the engine.
  - b. For any engines equipped with a diesel particulate filter to comply with the emission standards in 40 CFR Part 60.4204, the diesel particulate filter must be installed with a

backpressure monitor that notifies the permittee when the high backpressure limit of the engine is approached.

(Ref.: 40 CFR Part 60.4209(a)-(b))

- 3.21 For Emission Point AG-002, each certified engine and control device must be operated and maintained according to the manufacturer's emission-related written instructions. Only those emission-related settings that are permitted by the manufacturer may be changed and each engine must meet the applicable requirements of 40 CFR parts 89, 94 and/or 1068. (Ref.: 40 CFR Part 60.4211(a))
- 3.22 For Emission Points AK-001, AK-002, AK-004, AK-005, and AM-001, 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

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

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))

- 3.23 For Emission Point AT-001, each vessel 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)]
- 3.24 For each gasoline dispensing unit within Emission Point AT-001, the permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities, 40 CFR Part 63, Subpart CCCCCC. (Ref. 40 CFR Part 63.11110, 40 CFR Part 63.11111, and 40 CFR Part 63.11112)
- 3.25 For each gasoline dispensing unit within Emission Point AT-001, the permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the DEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (Ref.: 40 CFR Part 63.11115(a))
- 3.26 For each gasoline dispensing unit within Emission Point AT-001, the permittee shall comply with the following requirements:

- (a) The combined gasoline throughput through the base-wide gasoline dispensing units shall not exceed 10,000 gallons per month.



- (b) Gasoline may not be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
  - a. Minimize gasoline spills;
  - b. Clean up spills as expeditiously as practicable;
  - c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
  - d. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- (c) All requirements of 40 CFR Part 63, Subpart CCCCCC must be met upon startup of the affected gasoline dispensing unit.
- (d) Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F, are considered acceptable for compliance with Condition 3.26(b)c.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10); 40 CFR Part 63.11116(a), (c), and (d); and 63.11113(a)(2))

- 3.27 The facility is allowed to operate Aerospace Ground Equipment (AGE) without coverage under the Operating Permit as long as the equipment meets the definition of a nonroad engine as provided in 40 CFR 89.2. The definition of non-road engine is as follows:

Nonroad engine means:

- (1) Except as discussed in paragraph (2) of this definition, a nonroad engine is any internal combustion engine:

- (i) In or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling itself and performing another function (such as garden tractors, off-highway mobile cranes and bulldozers); or
- (ii) In or on a piece of equipment that is intended to be propelled while performing its function (such as lawnmowers and string trimmers); or
- (iii) That, by itself or in or on a piece of equipment, is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.

- (2) An internal combustion engine is not a nonroad engine if:

- (i) the engine is used to propel a motor vehicle or a vehicle used solely for competition, or is subject to standards promulgated under section 202 of the Act; or

(ii) the engine is regulated by a federal New Source Performance Standard promulgated under section 111 of the Act; or

(iii) the engine otherwise included in paragraph (1)(iii) of this definition remains or will remain at a location for more than 12 consecutive months or a shorter period of time for an engine located at a seasonal source. A location is any single site at a building, structure, facility, or installation. Any engine (or engines) that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period. An engine located at a seasonal source is an engine that remains at a seasonal source during the full annual operating period of the seasonal source. A seasonal source is a stationary source that remains in a single location on a permanent basis (i.e., at least two years) and that operates at that single location approximately three months (or more) each year. This paragraph does not apply to an engine after the engine is removed from the location.

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

- 3.28 The permittee shall limit facility-wide emissions of Carbon Monoxide, Nitrogen Oxides, and Volatile Organic Compounds, each to no more than 99.0 tons/yr as determined for each consecutive, rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10))
- 3.29 The permittee shall limit facility-wide emissions of total combined Hazardous Air Pollutants to no more than 24.0 tons/yr and each individual Hazardous Air Pollutant to no more than 9.0 tons/yr as determined for each consecutive, rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10))
- 3.30 Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity. 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.)

**SECTION 4**  
**WORK PRACTICES**

None.

## SECTION 5 MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
AA-009, AA-010, and AA-011	40 CFR Part 60.48c(f)	5.1	Fuel	Fuel records
	40 CFR Part 60.48c(g)(2) and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.2	Fuel	Fuel records
AB-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.3	Natural Gas	Natural gas records
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.4	Equipment	Natural gas-fired equipment records
AG-001 and AG-002	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.5	Equipment	Emergency equipment records
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.6	Hours	Operations records
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.7	Engine Inventory	Current engine inventory
	40 CFR Part 60.4211(f) and 40 CFR Part 63.6640(f)	5.8	Engine Operations	Emergency operations
AG-002	40 CFR Part 60.4211(b)	5.9	Engine Operations	Engine certification, installation, monitoring, and recordkeeping requirements
	40 CFR Part 60.4211(c)	5.10		Engine certification, installation, monitoring, and recordkeeping requirements
	40 CFR Part 60.4211(d)	5.11		Engine certification, installation, monitoring, and recordkeeping requirements
	40 CFR Part 60.4211(e)	5.12		Engine certification, installation, monitoring, and recordkeeping requirements
	40 CFR Part 60.4211(g)	5.13		Emergency engines' installation, configuration, and operation
	40 CFR Part 60.4214(b)-(d)	5.14		Notifications, reporting, and recordkeeping requirements
AK-001, AK-002, AK-004, AK-005, and AM-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.15	PM	Control Equipment Inspections
AS-001, AS-003, and AS-006 through AS-010	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.16	VOC and HAPs	Material, VOC/HAP content, Density, and Usage
AT-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.17	VOC and HAPs	Current vessel and fuel inventory
	40 CFR Part 63.11115(b), 40 CFR Part 63.11116(b), and 40 CFR Part 63.11125(d)	5.18	Area Source HAPs	Records of gasoline dispensing operations
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.19	NO <sub>x</sub> , CO, VOC, and HAPs	Records of facility-wide emissions
	11 Miss. Admin. Code Pt. 2, R.2.9.	5.20	General Monitoring and Recordkeeping	Maintain records for a minimum of 5 years.

- 5.1 For Emission Points AA-009, AA-010, and AA-011, the permittee shall maintain records of fuel supplier certifications, and the records shall include the following:
- a. the name of the oil supplier,
  - b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Part 60.41c, and
  - c. the sulfur content of the oil.

(Ref.: 40 CFR Part 60.48c(f))

- 5.2 For Emission Points AA-009, AA-010, AA-011, the permittee shall monitor and keep records of all of the fuels combusted on a monthly basis. These records shall consist of fuel type, quality, quantity, and the heating value (Btu/gal or Btu/ft<sup>3</sup>). Additionally, when combusting diesel fuel, the permittee shall maintain records to document the sulfur content (% by weight) for fuel combusted on a daily basis or for each lot or shipment received. (Ref.: 40 CFR Part 60.48c(g)(2))
- 5.3 For Emission Point AB-001, the permittee shall monitor and keep records of the total natural gas combusted for each month and for each consecutive, rolling 12-month period. (Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10))
- 5.4 For Emission Point AB-001, the permittee shall keep current records of facility-wide external combustion stationary sources of air criteria pollutant emissions (natural gas-fired equipment) located at the facility which has an individual heat input capacity of less than 10 MMBTUH. The records must include each unit's maximum rated heat input capacity, building location, manufacturer, and model and must be kept in log form and made available for review upon request during any inspection visit by the Office of Pollution Control. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.5 For Emission Points AG-001 and AG-002, the permittee shall keep current records of facility-wide internal combustion stationary sources of air criteria pollutant emissions (emergency backup generators and fire pumps) located at the facility. The records must include the maximum rated nameplate capacity (horsepower), building location, manufacturer, and model of each individual unit and must be kept in log form and made available for review upon request during any inspection visit by the Office of Pollution Control. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.6 For Emission Points AG-001 and AG-002, the permittee shall maintain a current inventory of emergency engines and respective NESHAP ZZZZ and NSPS IIII applicability determination information. The inventory shall be included within Appendix A of this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))

- 5.7 For Emission Points AG-001 and AG-002, the permittee shall record the hours of operation of each emergency engine and fire pump on a monthly and consecutive, 12-month rolling basis. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.8 For Emission Points AG-001 and AG-002, each emergency engine must be operated according to the requirements cited below. In order for the emergency engines of Emission Point AG-001 to be considered an emergency engine under 40 CFR Part 63, subpart ZZZZ, and in order for the emergency engines of Emission Point AG-002 to be considered an emergency engine under 40 CFR Part 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 the engine is not operated according to the requirements specified below, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
- a. There is no time limit on the use of emergency engines in emergency situations.
  - b. Each emergency engine 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 Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency engines beyond 100 hours per calendar year.
  - c. Each emergency engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing.

If the emergency engine is not operated according to the requirements in a. – c. above, the engine will not be considered an emergency engine under the respective subparts and will need to meet any applicable requirements for non-emergency engines.

(Ref.: 40 Part CFR Part 60.4211(f) and 40 CFR Part 63.6640(f))

- 5.9 For Emission Point AG-002, for each pre-2007 model year engine that must comply with the emission standards specified in 40 CFR Part 60.4204(a) or 40 CFR Part 60.4205(a), and for any fire pump engine that is manufactured prior to the model years in table 3 to 40 CFR Part 60, subpart IIII, and must comply with the emission standards specified in 40 CFR Part 60.4205(c), compliance must be demonstrated according to one of the following methods:
- a. Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

- b. Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
- c. Keeping records of engine manufacturer data indicating compliance with the standards.
- d. Keeping records of control device vendor data indicating compliance with the standards.
- e. Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR Part 60.4212, as applicable.

(Ref.: 40 CFR Part 60.4211(b))

5.10 For Emission Point AG-002, for each 2007 model year and later engine that must comply with the emission standards specified in 40 CFR Part 60.4204(b) or 40 CFR Part 60.4205(b), and for any fire pump engine that is manufactured during or after the model year that applies to the fire pump engine power rating in table 3 to 40 CFR Part 60, subpart IIII that must comply with the emission standards specified in 40 CFR Part 60.4205(c), the permittee must comply by purchasing an engine certified to the emission standards in 40 CFR Part 60.4204(b), or 40 CFR Part 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph 40 CFR Part 60.4211(g). (Ref.: 40 CFR Part 60.4211(c))

5.11 For Emission Point AG-002, for each engine subject to the emission standards specified in 40 CFR Part 60.4204(c) or 40 CFR Part 60.4205(d), the permittee must demonstrate compliance according to the following requirements:

- a. Conducting an initial performance test to demonstrate initial compliance with the emission standards as specified in 40 CFR Part 60.4213.
- b. Establishing operating parameters to be monitored continuously to ensure the emergency engine continues to meet the emission standards. The permittee must petition the DEQ for approval of operating parameters to be monitored continuously. The petition must include the information described in 40 CFR Part 60.4211(d)(2)(i) through (v).
- c. For non-emergency engines with a displacement of greater than or equal to 30 liters per cylinder, conducting annual performance tests to demonstrate continuous compliance with the emission standards as specified in 40 CFR Part 60.4213.

(Ref.: 40 CFR Part 60.4211(d))

5.12 For Emission Point AG-002, for each modified or reconstructed engine that must comply with the emission standards specified in 40 CFR Part 60.4204(e) or 40 CFR Part

60.4205(f), the permittee must demonstrate compliance according to one of the following methods:

- a. Purchasing, or otherwise owning or operating, an engine certified to the emission standards in 40 CFR Part 60.4204(e) or 40 CFR Part 60.4205(f), as applicable.
- b. Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR Part 60.4212 or 40 CFR Part 60.4213, as appropriate. The test must be conducted within 60 days after the engine commences operation after the modification or reconstruction.

(Ref.: 40 CFR Part 60.4211(e))

5.13 For Emission Point AG-002, each emergency engine and control device must be installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or if the emission-related settings are changed in a way that is not permitted by the manufacturer, compliance must be demonstrated, as follows:

- a. For engines with a maximum engine power less than 100 HP, a maintenance plan and records of conducted maintenance must be kept to demonstrate compliance and, to the extent practicable, each engine must be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the engine or control device is not installed and configured according to the manufacturer's emission-related written instructions, or if the emission-related settings are changed in a way that is not permitted by the manufacturer, an initial performance test must be conducted to demonstrate compliance with the applicable emission standards within 1 year of such action.
- b. For engines greater than or equal to 100 HP and less than or equal to 500 HP, a maintenance plan and records of conducted maintenance must be kept, and to the extent practicable, each engine must be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. In addition, an initial performance test must be conducted to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after emission-related settings are changed in a way that is not permitted by the manufacturer.
- c. For engines greater than 500 HP, a maintenance plan and records of conducted maintenance must be kept, and to the extent practicable, each engine must be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. In addition, an initial performance test must be conducted to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the emission-related settings are changed in a way that is not permitted by the manufacturer. Subsequent



performance testing must be conducted every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(Ref.: 40 CFR Part 60.4211(g))

5.14 For Emission Point AG-002, the permittee shall comply with the following notification, reporting, and recordkeeping requirements:

- a. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the permittee must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must record the time of operation of the engine and the reason the engine was in operation during that time.
- b. If the emergency engine is equipped with a diesel particulate filter, the permittee must keep records of any corrective action taken after the backpressure monitor has notified the permittee that the high backpressure limit of the engine is approached.
- c. For emergency engines with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Part 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in 40 CFR Part 60.4211(f)(3)(i), the permittee shall submit an annual report according to the following requirements:

(1) The report must contain the following information:

- i. Company name and address where the engine is located.
- ii. Date of the report and beginning and ending dates of the reporting period.
- iii. Engine site rating and model year.
- iv. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- v. Hours operated for the purposes specified in 40 CFR Part 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR Part 60.4211(f)(2)(ii) and (iii).
- vi. Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR Part 60.4211(f)(2)(ii) and (iii).
- vii. Hours spent for operation for the purposes specified in 40 CFR Part 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR Part 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) Annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

- (3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR Part 60.4.

(Ref.: 40 CFR Part 60.4214(b)-(d))

- 5.15 For Emission Points AK-001, AK-002, AK-004, AK-005, and AM-001, the permittee shall perform regular control equipment inspections. In the event of a failure of the pollution control equipment, the permittee shall cease operation until such time as repairs are made and the proper efficiency of the pollution control equipment is restored. Records of this maintenance shall be kept in log form and made available for review upon request during any inspection visit by Mississippi Department of Environmental Quality personnel. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 5.16 For Emission Points AS-001, AS-003, and AS-006 through AS-010, the permittee shall determine the following and maintain sufficient records to document the following for each coating, adhesive, solvent or other VOC or HAP containing material used:
- a. Identification of each material;
  - b. The percentage of each Volatile Organic Compound (VOC) and Hazardous Air Pollutant (HAP) by weight, and a description of the method used to determine the content;
  - c. The density (lbs/gal); and
  - d. The total gallons usage of each material on a monthly basis and consecutive rolling 12-month period; and

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

- 5.17 For Emission Point AT-001, the permittee shall determine the following and maintain sufficient records to document the following:
- a. Identification of each vessel; and
  - b. Fuel throughput of each individual vessel for the preceding month and consecutive 12-month period.

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

- 5.18 For gasoline dispensing units within Emission Point AT-001, the permittee shall meet the following recordkeeping requirements:

- a. Must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.
- b. Must keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- c. Must keep records of actions taken during periods of malfunction to minimize emissions in accordance with Condition 3.25 including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(Ref.: 40 CFR Part 63.11115(b), 63.11116(b), and 63.11125(d))

5.19 The permittee shall maintain records of facility-wide emissions of Carbon Monoxide, Nitrogen Oxides, Volatile Organic Compounds, and total Hazardous Air Pollutants, on a monthly and consecutive, rolling 12-month basis for the following:

- a. Records from Condition 5.2 and applicable EPA-approved AP42 emission factors or other acceptable manufacture's information specific to each boiler;
- b. Records from Condition 5.3 and applicable EPA-approved AP42 emission factors or other acceptable manufacture's information specific to each combustion source;
- c. Records from Condition 5.7 and applicable EPA-approved AP42 emission factors or other acceptable manufacture's information specific to each emergency engine;
- d. Records from Condition 5.16 and data supplied by the manufacturer or by analysis of each coating and/or solvent using EPA Reference Method 24, 40 CFR Part 60. Appendix A; and
- e. Records from Condition 5.17 and applicable EPA-approved AP42 emission factors or other acceptable manufacture's information specific to each vessel.

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

5.20 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. 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.)

## 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
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.4	Performance Stack Test Reporting Requirements
AA-009, AA-010, and AA-011	40 CFR Part 60.48c(d), (e), and (f)	6.5	Submit semiannual NSPS Dc reports
AA-009, AA-010, AA-011, and AB-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.6	Submit annual report of all monitoring requirements
AG-001 and AG-002	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.7	Submit annual report of all monitoring requirements
AK-001, AK-002, AK-004, AK-005, and AM-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.8	Submit annual report of all monitoring requirements
AS-001, AS-003, and AS-006 through AS-010	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.9	Submit annual report of all monitoring requirements
AT-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.10	Submit annual report of all monitoring requirements
	40 CFR Part 63.11115(b) and 40 CFR Part 63.11126(b)	6.11	Submit report of deviations
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	6.12	Submit annual report of pollutant emissions

- 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 any source for which the permittee is required to conduct a performance stack test, a test protocol shall be submitted at least thirty (30) days prior to the proposed test date to insure that all test methods and procedures are acceptable to DEQ Compliance Division. Also, DEQ must be notified at least ten (10) days prior to the scheduled test date so that an observer may be scheduled to witness the test(s). The permittee must submit a copy of each completed 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 Emission Points AA-009, AA-010, and AA-011, the permittee shall submit semiannual reports by January 30th and July 30th for the preceding six-month period. Each report shall be postmarked by the 30th day following the end of the reporting period and shall include a certified statement signed by the permittee that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. (Ref. 40 CFR Part 60.48c(d), (e), and (f))
- 6.6 For Emission Points AA-009, AA-010, AA-011, and AB-001, the permittee shall submit an annual report in accordance with Permit Condition 6.2 summarizing all monitoring requirements specified in Permit Conditions 5.1 through 5.4. (11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 6.7 For Emission Points AG-001 and AG-002, the permittee shall submit an annual report in accordance with Permit Condition 6.2 summarizing all monitoring requirements specified in Permit Conditions 5.5 through 5.14. (11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 6.8 For Emission Points AK-001, AK-002, AK-004, AK-005, and AM-001, the permittee shall submit an annual report in accordance with Permit Condition 6.2 summarizing all monitoring requirements specified in Permit Condition 5.15. (11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 6.9 For Emission Points AS-001, AS-003, and AS-006 through AS-010, the permittee shall submit an annual report in accordance with Permit Condition 6.2 summarizing all monitoring requirements specified in Permit Condition 5.16. (11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))

- 6.10 For Emission Point AT-001, the permittee shall submit an annual report in accordance with Permit Condition 6.2 summarizing all monitoring requirements specified in Permit Condition 5.17. (11 Miss. Admin. Code Pt. 2, R. 2.2.B(11))
- 6.11 For gasoline dispensing units within Emission Point AT-001, the permittee shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with Condition 3.25, including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. (Ref.: 40 CFR Part 63.11115(b) and 63.11126(b))
- 6.12 The permittee shall submit an annual report in accordance with Permit Condition 6.2 of facility-wide emissions of Carbon Monoxide, Nitrogen Oxides, Volatile Organic Compounds, and total Hazardous Air Pollutants, for the previous calendar year utilizing the records from Condition 5.19. (11 Miss. Admin. Code Pt. 2, R.2.2.B(11))

## **APPENDIX A**

### **FACILITY-WIDE EMERGENCY ENGINES REFERENCED IN PERMIT AS EMISSION POINTS AG-001 AND AG-002**