

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

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

**THIS CERTIFIES THAT**

**Toyota Boshoku Mississippi, LLC  
1 TB Way  
Mantachie, Itawamba 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: August 25, 2022**

**Permit No.: 1240-00034**

**Effective Date: As specified herein.**

**Expires: July 31, 2027**

## 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 (MDEQ) 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 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 [a]ny 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 3 – “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 Mississippi Administrative Code, Title 11, Part 2, Chapter 1, Rule 1.10 – “Provisions for Upsets, Startups, and Shutdowns”.

(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, start-ups, 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 five (5) working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;
    - (v) That as soon as practicable but no later than twenty-four (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 the EPA or third party enforcement actions.
- (b) Start-ups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Start-ups and shutdowns are part of normal source operation. Emission limitations apply during start-ups and shutdowns unless source specific emission limitations or work practice standards for start-ups 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

Mississippi Administrative Code, Title 11, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for start-ups and shutdowns. Source specific emission limitations or work practice standards established for start-ups 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 of 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 MDEQ within a reasonable time any information the MDEQ 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 MDEQ 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 MDEQ 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
<b>AA-000</b>	<b>Facility-Wide (Toyota Boshoku Mississippi, LLC)</b>
<b>AA-100</b>	<b>Facility-Wide Welding Operations [equipped with a cartridge dust collector]</b>
<b>AA-200*</b>	<b>Facility-Wide Coating and Cleaning Operations</b>
<b>AA-500</b>	<b>Urethane Seat Foam Operations [consists of ten (10) units; each equipped with a cartridge dust collector]</b>
<b>AA-600</b>	<b>Spray Adhesive Operations [consists of three (3) spray booths – equipped with dry filters]</b>
<b>AA-700</b>	<b>Plastic Molding Injection Process</b>
<b>AA-800</b>	<b>Facility-Wide Natural Gas-Fired Space Heating Equipment [total heat input capacity: 3.39 MMBTU / Hour]</b>
<b>AA-900</b>	<b>Facility-Wide Storage Tanks</b>
AA-901	Four (4) 7,500-Gallon Polyol Storage Tanks
AA-902	One (1) 8,000-Gallon Methylene Diphenyl Diisocyanate (MDI) Storage Tank
AA-903	One (1) 7,500-Gallon MDI Storage Tank
<b>AA-1000</b>	<b>Facility-Wide Internal Combustion Engines</b>
AA-1001a	855 HP (637.5 kW) Diesel-Fired Emergency Engine [2.05 MMBTU / Hour – manufactured in 2008]
AA-1001b	855 HP (637.5 kW) Diesel-Fired Emergency Engine [2.05 MMBTU / Hour – manufactured in 2008]
AA-1002	110 HP (82 kW) Diesel-Fired Emergency Fire Water Pump Engine [0.279 MMBTU / Hour – manufactured in 2008]



**SECTION 3**  
**EMISSION LIMITATIONS AND STANDARDS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Limitation / Standard</b>
AA-000	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.1	Opacity (smoke)	≤ 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2	Opacity	
AA-200 AA-500 AA-600	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10). <b>(Title V Avoidance Limit)</b>	3.3	VOCs	95.0 tpy (Rolling 12-Month Total)
AA-500 AA-600	40 CFR Part 63, Subpart OOOOOO – NESHAP for Flexible Polyurethane Foam Production and Fabrication Area Sources	3.4	HAPs	General Applicability
	40 CFR 63.11414(a); Subpart OOOOOO	3.5		Material Usage Restrictions
AA-800 AA-1001a AA-1001b AA-1002	11 Miss. Admin. Code Pt. 2, R. 1.3.D.(1)(a).	3.6	PM	0.6 Pounds per MMBTU / Hour
AA-1001a AA-1001b AA-1002	40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Combustion Engines 40 CFR 60.4200(a)(2)(i) and (ii); Subpart III	3.7	NMC + NO <sub>x</sub> CO PM Opacity (Smoke)	General Applicability
	40 CFR Part 63, Subpart ZZZZ – NESHAP for Stationary Reciprocating Internal Combustion Engines 40 CFR 63.6590(a)(2)(iii) and (c)(1); Subpart ZZZZ	3.8	HAPs	General Applicability
	40 CFR 60.4207(b); Subpart III	3.9	Fuel Requirement	15 ppm Sulfur Content (Max.) 40 Cetane Index (Min.) or 35% Aromatic Content (Max. – by volume)
AA-1001a AA-1001b AA-1002	40 CFR 60.4209(a); Subpart III 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10).	3.10	Hours of Operation	Non-Resettable Hour Meter Installation Requirement

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Limitation / Standard
	40 CFR 60.4211(f)(1-3); Subpart III	3.11	Non-Emergency Operation	100 Hours per Calendar Year for Maintenance and Readiness Testing 50 Hours Per Calendar Year for Non-Emergency Situations
AA-1001a AA-1001b	40 CFR 60.4202(a)(2), 60.4205(b), and 60.4206; Subpart III	3.12	NMHC + NO <sub>x</sub>	6.4 Grams per Kilowatt-Hour
			CO	3.5 Grams per Kilowatt-Hour
			PM	0.20 Grams per Kilowatt-Hour
	40 CFR 60.4202(b)(2); Subpart III 40 CFR 1039.105; Subpart B	3.13	Opacity (Smoke)	20% During Acceleration Mode 15% During Lugging Mode 50% During Peaks in Either Acceleration or Lugging Modes
AA-1002	40 CFR 60.4205(c) – Table 4 and 40 CFR 4206; Subpart III	3.14	NMHC + NO <sub>x</sub>	10.5 Grams per Kilowatt-Hour (or 7.8 Grams per Horsepower-Hour)
			CO	5.0 Grams per Kilowatt-Hour (or 3.7 Grams per Horsepower-Hour)
			PM	0.80 Grams per Kilowatt-Hour (or 0.60 Grams per Horsepower-Hour)

3.1 For Emission Point AA-000 (Facility-Wide), except as otherwise specified or limited herein, the permittee shall not cause or allow the emission of smoke from a point source into the open air from any manufacturing or industrial process on-site that exceeds forty (40) percent opacity subject to the following exceptions:

- (a) Start-up operations may produce emissions that exceed 40% for up to fifteen (15) minutes per start-up in any one (1) hour and not to exceed three (3) start-ups per stack in any twenty-four (24) hour period.
- (b) Emissions resulting from soot blowing (i.e. ash removal) operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity and provided further that aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one (1) hour.

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

- 3.2 For Emission Point AA-000 (Facility-Wide), except as otherwise specified or limited herein, the permittee shall not cause or allow the discharge into the ambient air from any point source any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity. This shall not apply to vision obscuration caused by uncombined water droplets.

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

- 3.3 For Emission Points AA-200, AA-500, and AA-600, the permittee shall limit the total emission of volatile organic compounds (VOCs) to no more than 95.0 tons per year (tpy) based on a rolling 12-month total basis.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B.(10). – Title V Avoidance Limit)

- 3.4 For Emission Points AA-500 and AA-600, the permittee is subject to and shall comply with all applicable requirements found in 40 CFR Part 63, Subpart OOOOOO – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Flexible Polyurethane Foam Production and Fabrication Area Sources.

(Ref.: 40 CFR 63.11414(a); Subpart OOOOOO)

- 3.5 For Emission Points AA-500 and AA-600, the permittee shall comply with the following material usage requirements:

- (a) The permittee shall not use a material containing methylene chloride as an equipment cleaner to flush the mix-head or use a material containing methylene chloride elsewhere as an equipment cleaner in a molded flexible polyurethane foam process;
- (b) The permittee shall not use a mold release agent containing methylene chloride in a molded flexible polyurethane foam process; and
- (c) The permittee shall not use any adhesive containing methylene chloride in a flexible polyurethane foam fabrication process.

(40 CFR 63.11416(c) and (e); Subpart OOOOOO)

- 3.6 For Emission Points AA-800, AA-1001a, AA-1001b, and AA-1002, except as otherwise specified or limited herein, the maximum permissible emission of ash and / or particulate matter (PM) from each unit with a heat input less than ten (10) million BTU (MMBTU) per hour shall not exceed 0.60 pounds per MMBTU per hour heat input.

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

- 3.7 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee is subject to and shall comply with all applicable requirements found in 40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion

Engines and 40 CFR Part 60, Subpart A – General Provisions (as required by Table 8 of Subpart IIII).

(Ref.: 40 CFR 60.4200(a)(2)(i) – (ii); Subpart IIII)

- 3.8 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee is subject to and shall comply with the applicable requirements found in 40 CFR Part 63, Subpart ZZZZ – NESHAP for Stationary Reciprocating Internal Combustion Engines (RICE) and 40 CFR Part 63, Subpart A – General Provisions (as required in Table 8 of Subpart ZZZZ). For the purpose of this permit, stationary RICE is classified as “new” if construction or reconstruction commenced on / after June 12, 2006.

For new compression-ignition RICE, the permittee shall comply with the applicable requirements in Subpart ZZZZ by complying with 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition (CI) Combustion Engines. No further requirements apply for such engines under Subpart ZZZZ.

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

- 3.9 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee shall only use diesel fuel in each engine that meets the following requirements (on a per-gallon basis):
- (a) A maximum sulfur content of fifteen (15) parts per million (ppm); and
  - (b) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent (vol. %).

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

- 3.10 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee shall install a non-resettable hour meter on each engine.

(Ref.: 40 CFR 60.4209(a); Subpart IIII and 11 Miss Admin. Code Pt. 2, R. 2.2.B.(10).)

- 3.11 For Emission Points AA-1001a, AA-1001b, and AA-1002, any operation of each engine for any reason other than emergency operation, maintenance and testing, and operation in non-emergency situations for fifty (50) hours per year is prohibited. If an engine is not operated in accordance with paragraphs (a) through (c) of this condition, the engine will not be considered an emergency engine under the referenced regulation and shall meet all requirements for a corresponding non-emergency engine

- (a) There is no time limit on the use of an engine in emergency situations.
- (b) The permittee may operate an engine for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, or the insurance company accompanied

with the engine. Maintenance checks and readiness testing of an engine is limited to a maximum of one hundred (100) hours per calendar year. The permittee may petition the MDEQ for approval of additional hours to be used for maintenance checks and readiness testing. However, a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of the engine beyond 100 hours per calendar year.

- (c) The permittee may operate an engine for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(Ref.: 40 CFR 60.4211(f)(1) – (3); Subpart IIII)

3.12 For Emission Points AA-1001a, AA-1001b, the permittee shall not discharge into the atmosphere any gases that contain the following pollutants in excess of the corresponding emission standards:

- (a) Non-Methane Hydrocarbons + Nitrogen Oxides (NMHC + NO<sub>x</sub>): 6.4 grams per kilowatt-hour (g / kW-hr);
- (b) Carbon Monoxide (CO): 3.5 grams per kilowatt-hour (g / kW-hr); and
- (c) Particulate Matter (PM): 0.20 grams per kilowatt-hour (g / kW-hr).

The permittee shall operate and maintain the engine in such a manner to achieve the referenced emission standards over the entire life of the engine.

(Ref.: 40 CFR 60.4202(a)(2), 60.4205(b), and 60.4206; Subpart IIII)

3.13 For Emission Points AA-1001a and AA-1001b, the permittee shall not discharge into the atmosphere any smoke exhaust that exceeds the following opacity standards:

- (a) Twenty percent (20%) during the acceleration mode;
- (b) Fifteen percent (15%) during the lugging mode; and
- (c) Fifty percent (50%) during the peaks in either the acceleration or lugging modes.

The permittee shall operate and maintain the engine in such a manner to achieve the referenced emission standards over the entire life of the engine.

(Ref.: 40 CFR 60.4202(b)(2); Subpart IIII and 40 CFR 1039.105; Subpart B)

- 3.14 For Emission Point AA-1002, the permittee shall not discharge into the atmosphere any gases that contain the following pollutants in excess of the corresponding emission standards:
- (a) Non-Methane Hydrocarbons + Nitrogen Oxides (NMHC + NO<sub>x</sub>): 10.5 grams per kilowatt-hour (or 7.8 grams per horsepower-hour);
  - (b) Carbon Monoxide (CO): 5.0 grams per kilowatt-hour (or 3.7 grams per horsepower-hour); and
  - (c) Particulate Matter (PM): 0.80 grams per kilowatt-hour (or 0.60 grams per horsepower-hour).

The permittee shall operate / maintain the emergency fire water pump engine in such a manner to achieve the referenced emission standards over the entire life of the engine.

(Ref.: 40 CFR 60.4205(c) – Table 4 and 40 CFR 4206; Subpart IIII)

**SECTION 4**  
**WORK PRACTICE STANDARDS**

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Work Practice Standard
AA-1001a AA-1001b AA-1002	40 CFR 60.4211(a); Subpart III	4.1	NMHC + NO <sub>x</sub> CO PM Opacity (Smoke)	Perform Compliance Practices

4.1 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee shall adhere to the following:

- (a) Operate and maintain each engine and control device (if any) 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 Part 1068 (as applicable).

(Ref.: 40 CFR 60.4211(a); Subpart III)

## SECTION 5 MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point(s)	Applicable Requirement(s)	Condition Number	Pollutant / Parameter	Monitoring / Recordkeeping Requirement
AA-000	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain Records for a Minimum of Five (5) Years
AA-200 AA-500 AA-600	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.2	VOCs	Recordkeeping Requirements for Applicable Materials
AA-500 AA-600	40 CFR 63.11416(f); Subpart OOOOOO	5.3	HAPs	Demonstrate Compliance with Material Usage Requirements
	40 63.11417(a) and (c)(1),; Subpart OOOOOO	5.4		Maintain Compliance Certification and Corresponding Information
AA-1001a AA-1001b AA-1002	40 CFR 60.4214(b); Subpart III  11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.5	Emergency Engine Status	Record Hours of Operation (Emergency and Non-Emergency)
	40 CFR 60.4214(a)(2)(i) – (iii); Subpart III	5.6	NMHC + NO <sub>x</sub>	Recordkeeping Requirements
	40 CFR 60.4211(g)(2); Subpart III	5.7	CO PM	Perform Compliance Demonstration (As applicable)

5.1 For Emission Point AA-000 (Facility-Wide), except as otherwise specified or limited herein, 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. Supporting information includes all calibration and maintenance records, all original strip-chart recordings or other data from continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to the 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-200, AA-500, and AA-600, the permittee shall maintain documentation that details the following information for each coating, adhesive, solvent, or other material that contains a VOC used on a monthly basis:

- (a) The identification or product name;
- (b) The total quantity (in either pounds or gallons) used;



- (c) The VOC content as well as a description of the method used to determine the VOC content; and
- (d) The density (in pounds per gallon).

Additionally, the permittee shall calculate and record the total emission of VOCs in tons on both a monthly and rolling 12-month total basis.

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

- 5.3 For Emission Points AA-500 and AA-600, the permittee may demonstrate compliance with the material usage requirements specified in Condition 3.5 by using adhesive usage records and the respective Material Safety Data Sheet (MSDS).

(Ref.: 40 CFR 63.11416(f); Subpart OOOOOO)

- 5.4 For Emission Points AA-500 and AA-600, the permittee shall maintain a written compliance certification that contains the following statements and shall be signed by a responsible official:

- (a) *“This facility does not use any equipment cleaner to flush the mix-head which contains methylene chloride, or any other equipment cleaner containing methylene chloride in a molded flexible polyurethane foam process in accordance with §63.11416(c)(1).”*; and
- (b) *“This facility does not use any mold release agent containing methylene chloride in a molded flexible polyurethane foam process in accordance with §63.11416(c)(2).”*

(Ref.: 40 CFR 63.11417(a) and (c)(1); Subpart OOOOOO)

- 5.5 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee shall monitor and record (via a non-resettable hour meter) the hours of operation for each engine on a monthly basis for both emergency and non-emergency service. Additionally, the permittee shall detail (in writing) and maintain what classified each occurrence as either an emergency or a non-emergency.

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

- 5.6 For Emission Points AA-1001a, AA-1001b, and AA-1002, the permittee shall maintain documentation that details the following information:

- (a) All notifications submitted to comply with Subpart IIII;
- (b) Any maintenance conducted on an engine; and

- (c) Documentation from the manufacturer that indicate an engine is certified to meet the emission standards specified in Condition 3.12.

(Ref.: 40 CFR 60.4214(a)(2)(i) – (iii); Subpart IIII)

5.7 For Emission Points AA-1001a, AA-1001b, and AA-1002, if the permittee does not operate and maintain the engine according to the manufacturer's emission-related written instructions or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance through the following actions:

- (a) Keep a maintenance plan, records of conducted maintenance, and (to the extent practicable) maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions; and
- (b) Conduct an initial performance test to demonstrate compliance with the emission standards outlines in Condition 3.12 within one (1) year of start-up, within one (1) year after the engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one (1) year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer.

(Ref.: 40 CFR 60.4211(g)(2); Subpart IIII)

## SECTION 6 REPORTING REQUIREMENTS

Emission Point(s)	Applicable Requirement(s)	Condition Number	Reporting Requirement
AA-000	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	6.1	Submit Documents Certified by a Responsible Official or Duly Authorized Representative
		6.2	Report Deviation from Requirements Within Five (5) Days
		6.3	Submit Annual Summary of Emissions and Corresponding Information

6.1 For Emission Point AA-000 (Facility-Wide), any document required by this permit to be submitted to the MDEQ shall contain a certification signed by a responsible official or duly authorized representative 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).)

6.2 For Emission Point AA-000 (Facility-Wide), 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. The 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).)

6.3 For Emission Point AA-100, except as otherwise specified herein, the permittee shall submit an annual monitoring report (AMR) postmarked no later than January 31<sup>st</sup> of each year for the preceding calendar year. This report shall contain any required monitoring specified in Section 6 of this permit. Additionally, all instances of deviations from permit requirements shall be clearly identified within 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:

The AMR shall contain (at a minimum) the following information:

- (a) The information as specified by Condition 5.2; and
- (b) For Emission Points AA-1001a, AA-1001b, and AA-1002, the hour of operation for each emergency engine (including a summary on how many hours are spent for emergency operation, what classified the operation as an emergency situation, how

many hours are spent for non-emergency operation, and the circumstances for non-emergency operation).

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