

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

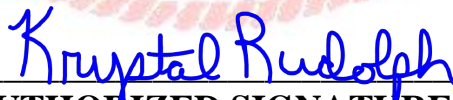
**TO OPERATE AIR EMISSIONS EQUIPMENT AT A  
SYNTHETIC MINOR SOURCE**

**THIS CERTIFIES THAT**

Southwire Company, LLC  
103 Airport Road  
Starkville, Oktibbeha 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: September 14, 2021**

**Permit No.: 2060-00002**

**Effective Date: As Specified Herein.**

**Modified: May 16, 2023**

**Expires: August 31, 2026**

## 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**

- 12. 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.)

- 13. 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.)

- 14. 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).)

- 15. 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
AA-000	Facility-Wide (Southwire Company, LLC)
AA-001	10.461 MMBTU / Hour Natural Gas-Fired Boiler [manufactured in 1996]
AA-002	10.461 MMBTU / Hour Natural Gas-Fired Boiler [manufactured in 1979]
AA-003	4.55 MMBTU / Hour Natural Gas-Fired Boiler [manufactured in December 2018]
AA-007	Extrusion Operations [includes ten (10) extrusion lines each consisting of non-ferrous wire insulating and label printing operations]
AA-008	0.002 MMBTU / Hour Natural Gas-Fired Bake-Off Oven
AA-012	Metal Drawing Machine Operations [includes nine (9) drawing machines with in-line annealers]
AA-013	Four (4) CV Line Operations [consists of extruders, pellet hopper feed system, and label printing]
AA-015	Armoring Line Operations [constructs aluminum or steel flexible conduit around insulated wire / cable]
AA-016	Maintenance Welding Operations
AA-017	Blasting Operations [consists of one (1) enclosed cabinet that removes insulation residue from extrusion tooling and dies]
AA-018	Cooling Towers [provides process water for extrusion lines and other manufacturing operations]
AA-019	Curing Operations
AA-020	Tooling Cleaning Operations [consists of two (2) electric-powered ovens that cleans insulation residue off of extrusion tooling and dies; one (1) oven serves as the primary unit while the other is a back-up unit]
AA-021	5.6 MMBTU / Hour Natural Gas-Fired Annealing Oven
AA-022	Air Plasma Surface Treatment Operations
AA-023	Two (2) Degassing Ovens [each equipped with a 2.0 MMBTU / hour natural gas-fired burner and a centrifugal exhaust fan to vent volatiles produced; accelerates the curing process of finished cable]
AB-007	25,000-Gallon Diesel Fuel Storage Tank



<b>Emission Point</b>	<b>Description</b>
AB-008	5,500-Gallon Polypropylene Wastewater Storage Tank
AB-009	6,000-Gallon Diesel Fuel Storage Tank
AD-002	One (1) 157 HP (117 kW) Diesel Fuel-Fired Emergency Pump Engine (ICE) [total heat input: 0.40 MMBTU / hour; manufactured in 2011]

**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 (Facility-Wide)	11 Miss. Admin. Code, Pt. 2, R. 2.2.B.(10). <b>(Major Source Avoidance Limits)</b>	3.1	HAPs	9.9 tpy (Individual) 24.9 tpy (Total) (Rolling 12-Month Totals)
	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.2	Opacity (smoke)	≤40%
	11 Miss Admin. Code Pt. 2, R. 1.3.B.	3.3	Opacity	
	11 Miss. Admin. Code Pt. 2, R. 1.3.F.(1).	3.4	PM (filterable)	$E = 4.1 \cdot (p^{0.67})$
AA-001 AA-002 AA-003	11 Miss. Admin. Code Pt. 2, R. 1.4.A.(1).	3.5	SO <sub>2</sub>	4.8 lb. / MMBTU
AA-001 AA-002	11 Miss. Admin. Code Pt. 2, R. 1.3.D.(1)(b).	3.6	PM	$E = 0.8808 (I^{-0.1667})$
AA-001	40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40c(a); Subpart Dc	3.7	SO <sub>2</sub>	General Applicability
AA-003 AA-008 AA-021 AA-023 AD-002	11 Miss Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.8	PM	0.6 lb. / MMBTU per Hour
AD-002	40 CFR Part 63, Subpart ZZZZ – NESHAP for Stationary Reciprocating Internal Combustion Engines 40 CFR 63.6585(a) and (c), 63.6590(a)(2)(iii) and (c)(1); Subpart ZZZZ	3.9	HAPs	General Applicability
	40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Combustion Engines 40 CFR 60.4200(a)(2)(ii); Subpart III	3.10	NHMC + NO <sub>x</sub> CO PM	General Applicability

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Limitation / Standard</b>
AD-002	40 CFR 60.4205(c), 60.4206, and 60.4211(c), and Table 4; Subpart III	3.11	NMHC + NO <sub>x</sub>	4.0 Grams / Kilowatt-Hour (or 3.0 Grams / Horsepower-Hour)
			CO	5.0 Grams / Kilowatt-Hour (or 3.7 Grams / Horsepower-Hour)
			PM	0.30 Grams / Kilowatt-Hour (or 0.22 Grams / Horsepower-Hour)
	40 CFR 60.4207(b); Subpart III	3.12	Fuel Requirement	15 ppm Sulfur Content (Max.); and 40 Cetane Index (Min.) or 35% Aromatic Content (Max. – by volume)
	40 CFR 60.4211(f)(1) – (3); Subpart III	3.13	Operational Requirements	100 Hours / Calendar Year for Maintenance and Readiness Testing; 50 Hours / Calendar Year for Non-Emergency Situations
40 CFR 60.4209(a); Subpart III 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10).	3.14	Hours of Operation	Non-Resettable Hour Meter Installation Requirement	

3.1 For Emission Point AA-000 (Facility-Wide), the permittee shall limit the emission of hazardous air pollutants (HAPs) to no more than 9.9 tons per year (tpy) for any individual HAP and no more than 24.9 tpy for all HAPs combined based on a rolling 12-month total basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10). – Major Source Avoidance Limits)

3.2 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, industrial, commercial or waste disposal process that exceeds forty (40) percent opacity subject to the following exceptions:

- (a) Start-up operations may produce emissions, which exceed 40% opacity 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 operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity and provided further that the aggregate duration of such emissions during any twenty-four (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.)

- 3.3 For Emission Point AA-000 (Facility-Wide), the permittee shall cause or allow the discharge into the ambient air from any point source emissions or any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity equivalent to that provided in Condition 3.2.

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

- 3.4 For Emission Point AA-000 (Facility-Wide), except as otherwise specified herein or limited herein, the permittee shall not cause or allow the emission of particulate matter (PM) in total quantities in any one (1) hour from any manufacturing process (which includes any associated stacks, vents, outlets, or combination thereof) to exceed the amount determined by the following relationship:

$$E = 4.1 \cdot (p^{0.67})$$

Where “E” is the emission rate in pounds per hour and “p” is the process weight input rate in tons per hour. Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs.

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

- 3.5 For Emission Points AA-001, AA-002, and AA-003, 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 MMBTU heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A.(1).)

- 3.6 For Emission Points AA-001 and AA-002, the maximum permissible emission of ash and/or PM from any fossil fuel burning installation with a heat input equal to or greater than ten (10) MMBTU per hour but less than 10,000 MMBTU per hour shall not exceed an emission rate as determined by the relationship:

$$E = 0.8808 \cdot (I^{-0.1667})$$

where “E” is the emission rate in pounds per MMBTU per hour heat input and “I” is the heat input in MMBTU per hour.

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

- 3.7 For Emission Point AA-001, the permittee is subject to and shall comply with all applicable standards and provisions found in 40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

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

- 3.8 For Emission Points AA-003, AA-008, AA-021, AA-023, and AD-002, the maximum permissible emission of ash and/or PM from any fossil fuel burning installation with a heat input less than ten (10) MMBTU per hour heat input shall not exceed 0.6 pounds per MMBTU per hour heat input.

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

- 3.9 For Emission Points AD-002, the permittee is subject to and shall comply with the applicable requirements found in 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE). .

For the purpose of this permit, stationary RICE is classified as “new” if construction or reconstruction commenced on or after June 12, 2006. As such, the permittee shall comply with Subpart ZZZZ by complying with the applicable requirements found in 40 CFR Part 60, Subpart IIII. No further requirements apply for such engines under Subpart ZZZZ.

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

- 3.10 For Emission Point AD-002, the permittee is subject to and shall comply with all applicable requirements found in 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR Part 60, Subpart A – General Provisions (as required in Table 8 of Subpart IIII).

(Ref: 40 CFR 60.4200(a)(2)(ii) and Table 8; Subpart IIII)

- 3.11 For Emission Point AD-002, 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>): 4.0 grams per kilowatt-hour (or 3.0 grams per horsepower-hour); and
- (b) Carbon Monoxide (CO): 5.0 grams / kilowatt-hour (or 3.7 grams / horsepower-hour);
- (c) Particulate Matter (PM): 0.30 grams per kilowatt-hour (or 0.22 grams per horsepower-hour).

The engine shall be installed and configured in accordance with the manufacturer’s emission-related specifications. Additionally, the permittee shall operate and maintain the engine in such a manner to achieve the noted emission standards over the entire life of the engine.

(Ref.: 40 CFR 60.4205(c), 60.4206, 60.4211(c), and Table 4; Subpart IIII)

3.12 For Emission AD-002, the permittee shall only combust diesel fuel in the engine that meets the following requirements (on a per-gallon basis):

- (a) A maximum sulfur content of 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 and 40 CFR 80.510(b); Subpart I)

3.13 For Emission Point AD-002, any operation of the engine for other than emergency operation, maintenance and testing, and operation in non-emergency situations for fifty (50) hours per calendar year, as outlined in paragraphs (a) through (c) of this condition, is prohibited. If the engine is not operated in accordance with the following provisions, the engine will not be considered an emergency engine under Subpart IIII 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)

3.14 For Emission AD-002, the permittee shall install a non-resettable hour meter on the engine.

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

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

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Work Practice</b>
AD-002	40 CFR 60.4211(a)); Subpart IIII	4.2	NHMC + NO <sub>x</sub> CO PM	Best Management Practices

4.1 For Emission AD-002, the permittee shall adhere to the following work practices:

- (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 IIII)

## SECTION 5 MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Monitoring / Recordkeeping Requirement
AA-000 (Facility-Wide)	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain Records For a Minimum of Five (5) Years
	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.2	HAPs	Calculate Emissions (Monthly and 12-Month Rolling Total)
AA-001	40 CFR 60.48c(g)(2); Subpart Dc	5.3	SO <sub>2</sub>	Monitor the Volume of Fuel Combusted (Monthly)
AA-007 AA-013	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.4	HAPs	Monitor the Quantity of Each Material Extruded (Monthly)
AA-008 AA-020	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.5	HCl HCN	Monitor the Quantity of Plastic Material Removed (Monthly)
AA-016	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.6	HAPs (Metal)	Maintain Operational Data for Welding Activities (Monthly)
AA-019 AA-023	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.7	HAPs	Monitor the Quantity of Each Material Cured (Monthly)
AD-002	40 CFR 60.4214(b); Subpart III 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.8	Emergency Engine Status	Record Hours of Operation (Emergency and Non-Emergency)
	40 CFR 60.4214(a)(2)(i) – (iii); Subpart III 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	5.9	NHMC + NO <sub>x</sub> PM	Recordkeeping Requirements
	40 CFR 60.4211(g)(2); Subpart III	5.10		Compliance Demonstration Actions (if Engine is Not Installed, Operated, or Maintained According to Specifications)

5.1 For Emission Point AA-000 (Facility-Wide), the permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to the MDEQ as required by Applicable Rules and Regulations of this permit upon request.

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



- 5.2 For Emission Point AA-000 (Facility-Wide), the permittee shall calculate and record the emission of each individual HAP and all HAPs in total in tons both on a monthly and rolling 12-month total basis.

Unless otherwise specified herein, the permittee shall maintain documentation that details all reference data utilized to validate calculated emissions (i.e. operational data, the applicable emission factors presented in the corresponding application, and engineering judgement determinations).

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

- 5.3 For Emission Point AA-001, the permittee shall monitor the volume and record (in standard cubic feet) of natural gas combusted on a monthly basis.

(Ref.: 40 CFR 60.48c(g)(2); Subpart Dc)

- 5.4 For Emission Points AA-007, AA-013, and AA-019, the permittee shall monitor and record the quantity (in tons) of each plastic material or polymer blend extruded on a monthly basis.

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

- 5.5 For Emission Points AA-008 and AA-020, the permittee shall monitor the quantity (in pounds), for each unit, any residue plastic / polymer material removed from metal parts on a monthly basis.

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

- 5.6 For Emission Point AA-016, the permittee shall monitor and record both the quantity (in pounds) and type of each welding wire / electrode consumed on a monthly basis. Additionally, the permittee shall maintain the following information on each welding wire / electrode consumed:

- (a) The product name or identification; and
- (b) The HAP component content (in weight percent) and a description of the method used to determine the HAP content.

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

- 5.7 For Emission Points AA-019 and AA-023, the permittee shall monitor and record the respective quantity (in tons) of each plastic / polymer material and/or cable cured on a monthly basis.

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

- 5.8 For Emission Point AD-002, 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, 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 III and 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).)

- 5.9 For Emission Point AD-002, the permittee shall maintain documentation that details the following information:

- (a) All notifications submitted to comply with 40 CFR Part 60, Subpart III;
- (b) Any maintenance conducted on an engine;
- (c) The manufacturer's emission-related written instructions for an engine; and
- (d) Documentation from the manufacturer that indicates the engine is certified to meet the respective emission standards specified in Condition 3.11.

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

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

- 5.10 For Emission Point AD-002, 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 and records of conducted maintenance and must (to the extent practicable) maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions; and
- (b) Conduct an initial performance test to demonstrate compliance with the applicable emission standards within one (1) year of start-up, or within one (1) year after each engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 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 III)

## SECTION 6 REPORTING REQUIREMENTS

Emission Point(s)	Applicable Requirement	Condition Number	Reporting Requirement
AA-000 (Facility-Wide)	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(11).	6.1	Report Permit Deviations Within Five (5) Working Days
		6.2	Submit A Certified Annual Monitoring Report
		6.3	All Documents Submitted to MDEQ Shall be Certified by a Responsible Official

6.1 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).)

6.2 For Emission Point AA-000 (Facility-Wide), except as otherwise specified herein, the permittee shall submit a certified annual monitoring report (AMR) postmarked no later than January 31 of each calendar year for the preceding calendar year. This report shall address any required monitoring specified in Section 6 of this 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.

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

- (a) The total emission of each individual HAP and all HAPs in total both on a monthly and a rolling 12-month total basis;
- (b) The total quantity (in tons) of each plastic / polymer material extruded both on a monthly and rolling 12-month basis;
- (c) The total pounds removed for each unit (i.e. Emission Points AA-008 and AA-020) in which any residue plastic polymer material is removed from metal parts both on a monthly and rolling 12-month basis;
- (d) The total quantity and type of each welding wire / electrode consumed on both a monthly and rolling 12-month basis (including data on the HAP content for each welding wire / electrode);

- (e) The quantity (in tons) of each material cured both on a monthly and rolling 12-month total basis; and
- (f) The hours of operation for the 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 circumstance(s) for non-emergency operation)

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

- 6.3 For Emission Point AA-000 (Entire Facility), 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).)