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, Mississippi
Oktibbeha County

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

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Jaricus Whitlock

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: November 3, 2026 **Permit No.: 2060-00002**

Effective Date: As specified herein.

Expires: October 31, 2031

Section 1.

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only.

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

2. This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.4.D.)

3. Any activities not identified in the application are not authorized by this permit.

   (Ref.: Miss. Code Ann. 49-17-29 1.b)

4. The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)

5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)

6. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state.

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

7. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

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

8. The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:

   a. To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and

   b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission.

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

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

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

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

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

11. This permit does not authorize a modification as defined in Regulation 11 Miss. Admin. Code Pt. 2, Ch.2., "Permit Regulations for the Construction and/or Operation of Air Emission Equipment." A modification may require a Permit to Construct and a modification of this permit. Modification is defined as "Any physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:

    a. Routine maintenance, repair, and replacement;

    b. Use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;

    c. Use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;

    d. Use of an alternative fuel or raw material by a stationary source which:

        (1) The source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 40 CFR 51.166; or

        (2) The source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, or 40 CFR 51.166;

    e. An increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I or 40 CFR 51.166; or

    f. Any change in ownership of the stationary source.

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

B. GENERAL OPERATIONAL CONDITIONS

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

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

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

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

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

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

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

   a. Upsets

      (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:

         (i) An upset occurred and that the source can identify the cause(s) of the upset;

         (ii) The source was at the time being properly operated;

         (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;

         (iv) That within 5 working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;

         (v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or

caused a general nuisance to the public, the source provided notification to the Department.

(2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.

(3) This provision is in addition to any upset provision contained in any applicable requirement.

(4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.

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

(1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.

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

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

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

5. Compliance Testing: Regarding compliance testing:

a. The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.

b. Compliance testing will be performed at the expense of the permittee.

c. Each emission sampling and analysis report shall include but not be limited to the following:

(1) Detailed description of testing procedures;

(2) Sample calculation(s);

(3) Results; and

(4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

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

C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION

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

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

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

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

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

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

4. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:

   a. Persistent violation of any terms or conditions of this permit.

   b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

   c. A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

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

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

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

SECTION 2
EMISSION POINT DESCRIPTION

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

Emission Point	Description
AA-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 nine (9) extrusion lines each consisting of non-ferrous wire insulating]
AA-008	Bake-Off Ovens [consists of two (2) ovens each with 0.23 MMBTU / hour natural gas-fired afterburners used to remove insulation residue from tooling and dies by oxidizing VOCs released during the bake-off process]
AA-012	Metal Drawing Machine Operations [includes seven (7) drawing machines with in-line annealers]
AA-013	Steam-Cured CV Line Operations [consists of four (4) extrusion systems and their respective pellet hopper feed systems]
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 two (2) enclosed cabinets 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 [consists of emissions as a byproduct of extrusion processes. *Note: This is an emission source category and not a physical unit.*]
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-024	12.00 MMBTU / hour Natural Gas-Fired Boiler [manufactured in 2027]
AA-025	12.00 MMBTU / hour Natural Gas-Fired Boiler [manufactured in 2027]
AA-026	Nitrogen-Cured CV Line Operations [consists of four (4) extruders and their respective pellet hopper feed systems]
AA-027	Printing Operations
AB-008	5,500-Gallon Used Drawing Solution (Mineral Oil) Storage Tank
AD-003	One (1) 209 hp (156 kW) Diesel Fuel-Fired Emergency Pump Engine (ICE) [total heat input: 1.46 MMBTU / hour; manufactured in 2027]

SECTION 3
EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limitation/Standard
AA-000 (Facility-Wide)	11 Miss. Admin. Code, Pt. 2, R. 2.2.B(10). **(Major Source Avoidance Limits)**	3.1	HAPs	≤ 9.9 tpy (Individual) ≤ 24.0 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)	$E = 4.1 \times p^{0.67}$
AA-001 AA-002 AA-003 AA-021 AA-024 AA-025	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.5	SO_2	≤ 4.8 lb. / MMBTU
AA-001 AA-002 AA-024 AA-025	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.6	PM	$E = 0.8808 \times I^{-0.1667}$
AA-003 AA-008 AA-021 AD-003	11 Miss Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.7	PM	≤ 0.6 lb. / MMBTU
AA-001 AA-024 AA-025	40 CFR Part 60, Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40c(a), Subpart Dc	3.8	SO_2	General Applicability
AA-024 AA-025	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.9	Operational Requirement	Decommission boilers prior to operation
AD-003	40 CFR Part 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines 40 CFR 63.6585(a) and (c), 63.6590(a)(2)(iii) and (c)(1), and Table 8, Subpart ZZZZ	3.10	HAPs	General Applicability

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limitation/Standard
AD-003	40 CFR Part 60, Subpart IIII Standards of Performance for Stationary Compression Ignition Combustion Engines 40 CFR 60.4200(a)(2)(ii) and Table 8, Subpart IIII	3.11	NHMC + NO_X CO PM	General Applicability
	40 CFR 60.4205(c), 60.4206, and 60.4211(c), and Table 4, Subpart IIII	3.12		Emission Standards
	40 CFR 60.4207(b), Subpart IIII, and 40 CFR 1090.305, ULSD Standards	3.13	Fuel Requirement	≤ 15 ppm sulfur content ≥ 40 cetane index or ≤ 35 vol.% aromatic content
	40 CFR 60.4211(f)(1) – (3), Subpart IIII	3.14	Operational Requirements	Emergency Engine Requirements
	40 CFR 60.4209(a), Subpart IIII, and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.15	Hours of Operation	Install, Operate, and Maintain a Non-Resettable hour Meter

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) of any individual HAP and no more than 24.0 tpy of all combined HAPs as determined on a rolling 12-month total basis.

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

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, which exceeds forty percent (40%) opacity subject to the following exceptions:

(a) Start-up 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) start-ups per stack in any twenty-four (24) hour period.

(b) Emissions resulting from soot blowing operations (i.e. ash removal) shall be permitted provided such emissions do not exceed sixty percent (60%) 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), 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 or emissions 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. This shall not apply to vision obscuration caused by uncombined water droplets.

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

3.4 For Emission Point AA-000 (Facility-Wide), the permittee shall not cause, permit, 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:

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

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).)

3.5 For Emission Points AA-001, AA-002, AA-003, AA-021, AA-024, and AA-025, except as otherwise provided herein, the maximum discharge of sulfur oxides (SO_X) shall not exceed 4.8 pounds (measured as sulfur dioxide or SO_2) per million BTU (MMBTU) heat input.

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

3.6 For Emission Points AA-001, AA-002, AA-024, and AA-025, emissions from installations equal to or greater than ten (10) MMBTU per hour heat input but less than 10,000 MMBTU per hour heat input shall not exceed an emission rate as determined by the relationship:

$$E = 0.8808 \times I^{-0.1667}$$

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. 1.3.D(1)(b).)

3.7 For Emission Points AA-003, AA-008, AA-021, and AD-003, the maximum emission of ash and/or PM from each fossil fuel burning installations of 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).)

3.8 For Emission Points AA-001, AA-024, and AA-025, the permittee is subject to and shall comply with all applicable standards and provisions found in 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and 40 CFR 60, Subpart A, General Provisions.

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

3.9 For Emission Points AA-024 and AA-025, the permittee shall not operate the emission units until the two (2) existing boilers (Emission Points AA-001 and AA-002) have been decommissioned.

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

3.10 For Emission Point AD-003, the permittee is subject to and shall comply with the applicable requirements found in 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), and 40 CFR 63, Subpart A, General Provisions, as established in Table 8 to Subpart ZZZZ.

Stationary RICE is classified as "new" if construction or reconstruction commenced on or after June 12, 2006. For the purpose of this permit, the permittee shall comply with Subpart ZZZZ by complying with the applicable requirements found in 40 CFR 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), and Table 8, Subpart ZZZZ)

3.11 For Emission Point AD-003, the permittee is subject to and shall comply with all applicable requirements found in 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, and 40 CFR 60, Subpart A, General Provisions, as established in Table 8 to Subpart IIII.

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

3.12 For Emission Point AD-003, 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 + NOX): 4.0 grams per kilowatt hour (g/KW-hr) (or 3.0 grams per horsepower hour (g/HP-hr));

(b) Carbon Monoxide (CO): 3.5 g/KW-hr (or 2.6 g/HP-hr);

(c) Particulate Matter (PM): 0.20 g/KW-hr (or 0.15 g/HP-hr);

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)

3.13 For Emission Point AD-003, 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 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 1090.305, ULSD Standards)

3.14 For Emission Point AD-003, any operation of an 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) below, is prohibited. If an engine is not operated in accordance with the following provisions, 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)

3.15 For Emission Point AD-003, 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).)

SECTION 4
WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Work Practice
AD-003	40 CFR 60.4211(a), Subpart IIII	4.1	NHMC + NO_X CO PM	Best Management Practices
	40 CFR 63.6640(a) and Table 2d, Subpart ZZZZ, and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	4.2		Required Maintenance and Inspections

4.1 For Emission Point AD-003, 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 they apply to you.

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

4.2 For Emission Point AD-003, the permittee shall:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first; and

(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

(Ref.: 40 CFR 63.6640(a) and Table 2d, Subpart ZZZZ, and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	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 AA-024 AA-025	40 CFR 60.48c(g)(2), Subpart Dc	5.3	SO_2	Monitor the Volume of Fuel Combusted (Monthly)
AA-007 AA-013 AA-026	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		5.5	HCl HCN	Monitor the Quantity of Plastic Material Removed (Monthly)
AA-027		5.6	VOCs HAPs	Monitor Operational Data for Printing Activities (Monthly)
		5.7		Record Operational Data for Printing Activities (Monthly)
AA-019		5.8	HAPs	Monitor the Quantity of Each Material Cured (Monthly)
AD-003	40 CFR 60.4214(b), Subpart IIII, and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.9	Emergency Engine Status	Record hours of Operation (Emergency and Non-Emergency)
	40 CFR 60.4214(a)(2)(i) – (iii), Subpart IIII, and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.10	NHMC + NO_X CO PM	Recordkeeping Requirements
	40 CFR 60.4211(g)(2) and (3), Subpart IIII	5.11		Demonstrate Compliance if Engine is Not Installed, Operated, or Maintained According to Manufacturer's Specifications

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

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

5.2 For Emission 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 records of 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 Points AA-001, AA-024, and AA-025, the permittee shall record and maintain records of the amounts of natural gas (in standard cubic feet) of natural gas combusted each calendar month. The volume may be determined and recorded for each individual emission point or as a combined total for these emission points.

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

5.4 For Emission Points AA-007, AA-013, and AA-026, the permittee shall monitor 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-027, the permittee shall determine for each ink, coating, solvent, or other VOC and/or HAP containing material used:

(a) The identification and total gallons of each ink, coating, solvent, or other VOC and/or HAP containing material used, including VOCs and/or HAP s that are generated as reaction by-products, on a monthly basis and in each consecutive 12-month period.

(b) The VOC and/or HAP content of each ink, coating, solvent, or other VOC and/or HAP containing material. A description of the method used to determine the VOC and/or HAP content shall accompany this data. The permittee may utilize data supplied by the manufacturer, or analysis of VOC content by EPA Test Method 24 and/or EPA Test Method 24A, or analysis of HAP content by EPA Test Method 311.

(c) The density of each ink, coating, solvent, or other VOC and/or HAP containing material used, including VOCs and/or HAPs that are generated as reaction by-products.

The permittee shall use the given parameters to determine individual HAP and total HAP emissions on a monthly basis for each consecutive 12-month period on a rolling basis.

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

5.7 For Emission Point AA-027, the permittee shall maintain sufficient documentation for the following information:

(a) The identification and total gallons of each ink, coating, solvent, or other VOC and/or HAP containing material used, including VOCs and/or HAPs that are generated as reaction by-products, on a monthly basis and in each consecutive 12-month period.

(b) The HAP content of each ink, coating, solvent, or other VOC and/or HAP containing material. A description of the method used to determine the VOC and/or HAP and/or HAP content shall accompany this data. The permittee may

utilize data supplied by the manufacturer, or analysis of VOC content by EPA Test Method 24 and/or EPA Test Method 24A, or analysis of HAP content by EPA Test Method 311.

(c) The density of each ink, coating, solvent, or other VOC and/or HAP containing material used, including VOCs and/or HAPs that are generated as reaction by-products.

(d) The total VOC, individual HAP, and total HAP emission rate in tpy on a monthly basis and for each consecutive 12-month period on a rolling basis.

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

5.8 For Emission Point AA-019, the permittee shall monitor 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).)

5.9 For Emission Point AD-003, 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 records of 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).)

5.10 For Emission Point AD-003, the permittee shall maintain records that detail the following information:

(a) All notifications submitted to comply with 40 CFR Part 60, Subpart IIII;

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

5.11 For Emission Point AD-003, 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) For engines greater than or equal to 100 HP, 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 one (1) year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer.

(b) For engines greater than 500 HP, 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 one (1) year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer, and must conduct subsequent performance testing every 8,760 hours of engine operation or three (3) years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(Ref.: 40 CFR 60.4211(g)(2) and (3), Subpart IIII)

SECTION 6
REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	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 certified annual monitoring reports.
		6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
		6.4	Report monthly and 12-month rolling individual and total HAPs emissions
AA-001 AA-024 AA-025	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.5	Submit Report of Fuel Usage
AA-001 AA-002		6.6	Report Decommission Dates
AA-024 AA-025	40 CFR 60.48c(a)(1) and (3), Subpart Dc	6.7	Submit Initial Startup Notification
AA-007 AA-013 AA-026	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.8	Submit Report of Plastic Polymer Material Extruded
AA-008 AA-020		6.9	Report Quantity of Plastic Material Removed
AA-027		6.10	Report Operational Data for Printing Activities
AA-019		6.11	Report Quantity of Material Cured
AD-003		6.12	Report Hours of Operation for Each Engine

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

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

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

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

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

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

6.4 For Emission Point AA-000 (Facility-Wide), the permittee shall submit a report in accordance with Condition 6.2 that details the respective emissions for each individual hazardous air pollutant (HAP) and all combined HAPs in tons based on a monthly basis and on a rolling 12-month total basis.

The report shall include all reference data utilized to validate the calculated emissions including operational data, applicable emission factors, engineering judgement determinations, and other relevant information.

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

6.5 For Emission Points AA-001, AA-024, and AA-025, the permittee shall submit an annual report in accordance with Condition 6.2 that details the amounts of natural gas (in standard cubic feet) of natural gas combusted each calendar month on a volume per emission point basis or a combined total basis.

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

6.6 For Emission Points AA-001 and AA-002, the permittee shall notify the MDEQ no later than ten (10) days following the actual date each unit is successfully decommissioned.

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

6.7 For Emission Points AA-024 and AA-025, the permittee shall submit notification of the date of construction and actual startup as provided by 40 CFR 60.7, Subpart A. This notification shall include the following information:

(a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the facility; and

(b) The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(Ref.: 40 CFR 60.48c(a)(1) and (3), Subpart Dc)

6.8 For Emission Points AA-007, AA-013, and AA-026, the permittee shall submit an annual report in accordance with Condition 6.2 that details the total quantity (in tons) of each plastic / polymer material extruded both on a monthly and rolling 12-month basis.

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

6.9 For Emission Points AA-008 and AA-020, the permittee shall submit an annual report in accordance with Condition 6.2 that details the total quantity (in tons) and the type of plastic / polymer material for each unit in which any residue plastic / polymer material is removed from metal parts both on a monthly and rolling 12-month basis.

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

6.10 For Emission Point AA-027, the permittee shall submit an annual report in accordance with Condition 6.2 that summarizes the information specified in Condition 5.7 for each coating, solvent, or other HAP containing material.

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

6.11 For Emission Point AA-019, the permittee shall submit an annual report in accordance with Condition 6.2 that details the total quantity (in tons) of each material cured both on a monthly and rolling 12-month total basis.

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

6.12 For Emission Point AD-003, the permittee shall submit an annual report in accordance with Condition 6.2 that details the hours of operation for each 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).)