



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES
Southwire Company
103 Airport Road
Starkville, MS
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. set., 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

Mississippi Department of Environmental Quality

Issued/Modified: SEP 16 2015

Expires: AUG 31 2020

Permit No. 2060-00002

Agency Interest # 2618

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Southwire Company
 Subject Item Inventory
 Permit Number:2060-00002
 Activity ID No.: PER20150002

Subject Item Inventory:

ID	Designation	Description
AREA1	AA-016	Maintenance Welding Operations
AREA2	AA-017	Blasting Operations
AREA3	AA-019	Curing Operations
AREA4	AA-020	Tooling Cleaning Operations
AREA5	AA-022	Air Plasma Surface Treatment Operations
EQPT1	AA-001	One (1) 10.461 MMBtu/hr Natural Gas Fired Boiler
EQPT12	AA-002	One (1) 10.461 MMBtu/hr Natural Gas Fired Boiler
EQPT3	AA-007	Extrusion Operations
EQPT4	AA-008	One (1) 0.002 MMBtu/hr Natural Gas Fired Bake-off Oven
EQPT5	AA-012	Drawing Machines/Operations with Annealers
EQPT6	AA-013	CV Lines/Operations
EQPT7	AA-015	Armoring Lines/Operations
EQPT8	AA-018	Cooling Towers
EQPT9	AA-021	One (1) 5.6 MMBtu/hr Natural Gas Fired Annealing Oven
EQPT10	AB-007	One (1) 25,000 Gallon Diesel Fuel Tank
EQPT11	AB-008	One (1) 5,500 Gallon Polypropylene Tank
EQPT2	AD-001	One (1) 5.46 MMBtu/hr Diesel Fired Engine and Generator Set (ICE)
EQPT13	AD-002	One (1) 0.40 MMBtu/hr Diesel Fired Emergency Pump (ICE)

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ID	Designation	Description
AI2618		Manufacturer of Building Wire and Power Cable

Subject Item Groups:

ID	Description	Components
GRPT3	40 CFR 63, Subpart ZZZZ Requirements	EQPT2 One (1) 5.46 MMBtu/hr Diesel Fired Engine and Generator Set (ICE)
		EQPT13 One (1) 0.40 MMBtu/hr Diesel Fired Emergency Pump (ICE)

<u>KEY</u>	
ACT = Activity	AI = Agency Interest
AREA = Area	CAFO = Concentrated Animal Feeding Operation
CONT = Control Device	EQPT = Equipment
IA = Insignificant Activity	IMPD = Impoundment
MAFO = Animal Feeding Operation	PCS = PCS
RPNT = Release Point	TRMT = Treatment
WDPT = Withdrawal Point	

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AI0000002618 Manufacturer of Building Wire and Power Cable:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter:</p> <p>For the entire facility, the permittee shall not cause or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 * p^{0.67}$ <p>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. [11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).]</p>
L-2	Particulate Matter	<p>Particulate Matter:</p> <p>For the entire facility, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).]</p>
L-3	Particulate Matter	<p>Particulate Matter:</p> <p>For the entire facility, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations shall be limited as follows:</p> <p>Emissions from installations equal to or greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship</p> $E = 0.8808 * I^{-0.1667}$ <p>where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).]</p>

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AI0000002618 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-4	Nitrogen oxides	<p>Nitrogen oxides:</p> <p>For the entire facility, the permittee shall limit the facility's total Nitrogen Oxides (NOx) emissions to no more than 99.0 tons per year (tpy) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-5	Opacity	<p>Opacity:</p> <p>For the entire facility, 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 opacity. Startup operations may produce emissions which exceed 40% opacity for up to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four hour period. Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four hour period does not exceed ten minutes per billion BTU gross heating value of fuel in any one hour. [11 Miss. Admin. Code Pt. 2, R. 1.3.A.]</p>
L-6	Sulfur Dioxide	<p>Sulfur Dioxide:</p> <p>For the entire facility, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).]</p>
L-7	HAP, Total (Limit)	<p>HAP, Total (Limit):</p> <p>For the entire facility, the permittee shall limit the facility's combined Hazardous Air Pollutant (HAP) emissions to no more than 24.9 tons per year (tpy) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

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AI0000002618 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-8	HAP, Individual (Limit)	HAP, Individual (Limit): For the entire facility, the permittee shall limit the facility's individual Hazardous Air Pollutant (HAP) emissions to no more than 9.9 tons per year (tpy) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products: (a) The quantity used (gallons); (b) The percentage of VOCs by weight; (c) The percentage of each individual HAP and total HAP by weight; (d) The density (lbs/gal); The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
M-2		For Emission Points AA-007 and AA-019, the permittee shall utilize the 1994 Stack Test performed on a Moisture Cure Cross-Linked Polyethylene (MC XLPE) Extrusion Line at its facility in Carrollton, Georgia, for determining the Volatile Organic Compound (VOC) and Methanol Emission Rates. The Stack Test data for VOCs and Methanol will serve as a VOC and Methanol Emission Factor of 0.067 lb/hr for these emission points only and for determining these particular VOC and Hazardous Air Pollutant (HAP) emissions. The emissions will also be determined accordingly utilizing production data. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

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Record-Keeping Requirements:

Nitrogen oxides:

Condition No.	Condition
R-1	<p>Nitrogen oxides:</p> <p>For the Entire Facility, the permittee shall record on a monthly basis the NO_x emissions as determined by a 12-month consecutive basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
R-2	<p>The permittee shall retain all required records, monitoring data, supported 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. [11 Miss. Admin. Code Pt. 2, R. 2.9.]</p>
R-3	<p>For the entire facility, the permittee shall maintain sufficient records to document:</p> <ul style="list-style-type: none">(a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material and the total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products, on a monthly basis and in each consecutive 12-month period;(b) The VOC and HAP content(s) of each coating, adhesive, solvent or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products. A description of the method used to determine the VOC and HAP content shall accompany this data;(c) The density of each coating, adhesive, solvent or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products;(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per year (tpy) for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

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AI0000002618 (continued):

Submittal/Action Requirements:

Nitrogen oxides:

Condition No.	Condition
S-1	<p>Nitrogen oxides:</p> <p>For the Entire Facility, the permittee shall submit an annual monitoring report providing the NOx emission rate as determined by a 12-month consecutive basis. The report is due annually by the 31st of January for the preceding calendar year. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
S-2	<p>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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
S-3	<p>Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(11).]</p>
S-4	<p>For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following:</p> <ul style="list-style-type: none">(a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products;(b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products;(c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used, including VOC or HAPs that are generated as reaction by-products in each consecutive 12-month period;(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and tons per year (tpy) for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

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Narrative Requirements:

Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]
T-3	General Condition: 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. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: 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," Rule 1.10. [11 Miss. Admin. Code Pt. 2, R. 1.10.]
T-5	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.10.]
T-6	General Condition: 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. [Miss. Code Ann. 49-17-21]
T-7	General Condition: 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) 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 any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]

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AI0000002618 (continued):

Narrative Requirements:

Condition No.	Condition
T-8	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this 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 condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-9	General Condition: 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. [Miss. Code Ann. 49-17-39]
T-10	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).]
T-11	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).]
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-14	General Condition: 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 [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]
T-15	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).]

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Narrative Requirements:

Condition No.	Condition
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information 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 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 MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).]
T-17	General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or 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: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 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 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or (f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]
T-18	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-19	General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]

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AI0000002618 (continued):

Narrative Requirements:

Condition No.	Condition
T-20	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p>
T-21	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>

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Narrative Requirements:

Condition No.	Condition
T-22	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-23	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-24	<p>General Condition: 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. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p>

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GRPT0000000003 (AD-001 and AD-002) 40 CFR 63, Subpart ZZZZ Requirements:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AD-001, as the operator of a non-emergency, non-black start compression ignition (CI) engine >500 HP, the permittee shall limit the concentration of CO in the stationary RICE exhaust to 23 ppmvd at 15 percent O ₂ or reduce CO emissions by 70 percent or more for demonstrating compliance with 40 CFR 63, Subpart ZZZZ, specifically Table 2d. [40 CFR 63_Subpart ZZZZ.6603(a)]
L-2		For Emission Point AD-001, If the permittee opts to comply with the requirement to reduce CO emissions using an oxidation catalyst, the permittee shall maintain the catalyst such that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst that was measured during the prior compliance performance test; and maintain the temperature of the stationary RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1350 °F, for demonstrating compliance with 40 CFR 63, Subpart ZZZZ, specifically Table 2b. [40 CFR 63_Subpart ZZZZ.6603(a)]
L-3		The permittee may operate Emission Point AD-002 as much as required during emergency situations. However, the permittee's use of Emission Point AD-002 is limited to 100 hours per year for any combination of maintenance checks, readiness testing, and other non-emergency use. Additionally, non-emergency use (excluding maintenance checks and readiness testing) is limited to 50 hours per year. The use of Emission Point AD-002 for peak shaving, non-emergency demand response, and operating to generate income by supplying power to another facility is prohibited. [40 CFR 63_Subpart ZZZZ.6640]
L-4		The permittee must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63_Subpart ZZZZ.6625(h)]

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GRPT000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For Emission Point AD-001, the permittee shall conduct subsequent performance tests every 8,760 hours of operation or 3 years, whichever comes first, as specified in Table 3 of 40 CFR 63, Subpart ZZZZ and shall also utilize the procedures specified in 40 CFR 63.6620 during the performance test. [40 CFR 63_Subpart ZZZZ.6615, 40 CFR 63_Subpart ZZZZ.6620]
M-2		<p>The permittee shall monitor, collect data, and demonstrate continuous compliance with the emission limitations and operating limitations according to the requirements of 40 CFR 63.6635 and 63.6640, specifically Table 6, Sections 9(a) and 10(a). For Emission Point AD-001, Section 10(a) states that the permittee shall perform the following for reducing Carbon Monoxide Emission:</p> <ol style="list-style-type: none">(1) Conduct performance tests every 8,760 hours or 3 years, whichever comes first, for CO to demonstrate that the required CO percent reduction is achieved; and(2) Collect the catalyst inlet temperature data according to 40 CFR 63.6625(b); and(3) Reduce this data to 4-hour rolling averages; and(4) Maintain the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and(5) Measure the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test. <p>. [40 CFR 63_Subpart ZZZZ.6635(a), 40 CFR 63_Subpart ZZZZ.6635(b), 40 CFR 63_Subpart ZZZZ.6635(c), 40 CFR 63_Subpart ZZZZ.6640(a), 40 CFR 63_Subpart ZZZZ.6640(b), 40 CFR 63_Subpart ZZZZ.6640(c)]</p>
M-3		<p>For Emission Point AD-002, the permittee shall:</p> <ol style="list-style-type: none">(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. <p>However, if Emission Point AD-002 is operating during an emergency and it is not possible to shut down the engine in order to perform these work practice requirements, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable. [40 CFR 63_Subpart ZZZZ.6640]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Southwire Company
Facility Requirements
Permit Number:2060-00002
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GRPT0000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-4		For Emission Point AD-002, the permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR 63_Subpart ZZZZ.6625(f)]
M-5		For Emission Point AD-002, the permittee must operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [11 Miss. Admin. Code Pt. 2, R. 6625(e)(2)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep the following records for demonstrating compliance with 40 CFR 63, Subpart ZZZZ:</p> <p>(a) The permittee shall keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.</p> <p>(1) A copy of each notification and report that the permittee submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that the permittee submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).</p> <p>(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.</p> <p>(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).</p> <p>(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.</p> <p>(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.</p> <p>(b) For each CPMS, the permittee shall keep the records listed in paragraphs (b)(1) through (3) of this section.</p> <p>(1) Records described in 40 CFR 63.10(b)(2)(vi) through (xi).</p> <p>(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).</p> <p>(3) Requests for alternatives to the relative accuracy test for CPMS as required in 40 CFR 63.8(f)(6)(i), if applicable.</p> <p>(c) The permittee shall keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the permittee. [40 CFR 63_Subpart ZZZZ.6655(a), 40 CFR 63_Subpart ZZZZ.6655(b), 40 CFR 63_Subpart ZZZZ.6655(c), 40 CFR 63_Subpart ZZZZ.6655(d), 40 CFR 63_Subpart ZZZZ.6655(e), 40 CFR 63_Subpart ZZZZ.6655(f)]</p>

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GRPT0000000003 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-2	The permittee shall keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1), and for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall also keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). [40 CFR 63_Subpart ZZZZ.6660(a), 40 CFR 63_Subpart ZZZZ.6660(b), 40 CFR 63_Subpart ZZZZ.6660(c)]
R-3	For Emission Point AD-002, the permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation. Additionally, the permittee must keep records of the notification of the emergency situation(s), and the date(s), start time(s), and end time(s) of engine operation for these purposes. [40 CFR 63_Subpart ZZZZ.6655(f)]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to the permittee. [40 CFR 63_Subpart ZZZZ.6645(a)]
S-2	If the permittee is required to conduct a performance test, the permittee shall submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). [40 CFR 63_Subpart ZZZZ.6645(g)]
S-3	The permittee shall submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For each subsequent compliance demonstration required in Table 5 to this subpart that includes a performance test conducted according to the requirements in Table 3 to this subpart, the permittee shall submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to 40 CFR 63.10(d)(2). [40 CFR 63_Subpart ZZZZ.6645(h)(2)]

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Southwire Company
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GRPT0000000003 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-4	<p>The permittee shall submit each report according to the requirements of Table 7 of 40 CFR 63, Subpart ZZZZ, and according to the following requirements:</p> <ol style="list-style-type: none">(1) For semiannual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in 40 CFR 63.6595 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in 40 CFR 63.6595.(2) For semiannual Compliance reports, the first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in 40 CFR 63.6595.(3) For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.(4) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. [40 CFR 63_Subpart ZZZZ.6650(a), 40 CFR 63_Subpart ZZZZ.6650(b)]
S-5	<p>For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report shall contain the following:</p> <ol style="list-style-type: none">(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period; and(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. [40 CFR 63_Subpart ZZZZ.6650(d)]
S-6	<p>For Emission Point AD-002, the permittee shall submit an annual report according to the requirements listed in 40 CFR 63.6650(h). [40 CFR 63_Subpart ZZZZ.6650]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Southwire Company
Facility Requirements
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GRPT0000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-1	The permittee is subject to 40 CFR 63, Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as an existing source located at a major source of HAP emissions and shall comply with the applicable provisions. [40 CFR 63_Subpart ZZZZ.6585(b), 40 CFR 63_Subpart ZZZZ.6590(a)(1)i, 40 CFR 63_Subpart ZZZZ.6595(a)]

GENERAL INFORMATION

Southwire Company
103 Airport Road
Starkville, MS
Oktoberbeha County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
2618	Southwire Company	Official Site Name	7/11/1989	
2810500002	Southwire Company	Air-AIRS AFS	10/12/2000	
MSD982769663	Southwire Company	Hazardous Waste-EPA ID	5/1/1991	
206000002	Southwire Company	Air-State Operating	4/27/1999	7/1/1999
206000002	Southwire Company	Air-Construction	4/27/1999	4/27/1999
206000002	Southwire Company	Air-State Operating	6/28/1994	7/1/1999
206000002	Southwire Company	Air-Construction	8/27/1999	
206000002	Southwire Company	Air-State Operating	8/27/1999	7/31/2004
206000002	Southwire Company	Air-State Operating	1/8/1998	7/1/1999
MSR200003	Southwire Company	GP-Primary Metal	7/14/1992	7/14/1992
MS0035262	Southwire Company	Water - NPDES	7/11/1989	7/10/1994
MSP091592	Southwire Company	Water - Pretreatment	10/10/2000	9/30/2005
MSR200003	Southwire Company	GP-Baseline	1/2/2001	2/27/2006
MSP091592	Southwire Company	Water - Pretreatment	10/14/2005	9/30/2010
MSR200003	Southwire Company, Starkville Plant	GP-Baseline	2/27/2006	9/30/2010
2618 001	Southwire Co Starkville Plant	GARD	1/18/2000	
MSR105505	Southwire Company	GP-Construction	6/18/2009	5/31/2010
MSP091592	Southwire Company	Water - Pretreatment	8/10/2010	7/22/2015
MSR200003	Southwire Company	GP-Baseline	11/23/2010	9/28/2015
206000002	Southwire Company	Air-Synthetic Minor Operating	1/18/2011	9/16/2015
MSP091592	Southwire Company	Water - Pretreatment	7/22/2015	6/30/2020
206000002	Southwire Company	Air-Synthetic Minor Operating	9/16/2015	8/31/2020

Basin: Tombigbee River Basin

GENERAL INFORMATION

Location Description:PG- Plant Entrance (General). Data collected by Tammi O'Neal on 1/20/2000. Elevation 357 feet.