



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Taylor Machine Works Inc
650 North Church Avenue
Louisville, MS
Winston 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: JAN 10 2013

Expires: DEC 31 2017

Permit No. 2980-00003

Agency Interest # 1389

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Taylor Machine Works Inc
 Subject Item Inventory
 Permit Number:2980-00003
 Activity ID No.: PER20120001

Subject Item Inventory:

ID	Designation	Description
AI1389		Metal Working, Surface Coating, and Assembly Operations
AREA1	AA-001	Facility Wide Calibration and Testing of Manufactured Lift Equipment
AREA2	AA-100	Building 1: Research and Development Shop including but not limited to surface coating and metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. oil; hydraulic fluid; diesel; coolant; compressor condensate).
AREA3	AA-200	Building 2: Maintenance Shop including but not limited to metal working operations and miscellaneous fuel burning equipment.
AREA4	AA-300	Building 3: Welding Shop including but not limited to surface coating and metal working operation, miscellaneous fuel burning equipment, and tank storage (i.e. acetone; compressor condensate).
AREA5	AA-400	Building 4: Warehouse including but not limited to metal working operations.
AREA6	AA-500	Building 5: Machine Final Rigout/Customer Assurance Inspection Building including but not limited to surface coating and metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. acetone).
AREA7	AA-600	Building 6: Line Assembly Building including but not limited to metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. coolant; oil; hydraulic fluid; oil and water separator).
AREA8	AA-700	Building 7: Fleet Maintenance and Transportation Building including but not limited to metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. gasoline, diesel, coolant; oil; oil and water separator).
AREA9	AA-800	Building 8: Machine Shop including but not limited to metal working operations, miscellaneous fuel burning equipment, an emergency backup generator, and tank storage (i.e. diesel).
AREA10	AA-900	Building 9: Burning Shop including but not limited to metal working operations and miscellaneous fuel burning equipment.
AREA11	AA-1000	Building 10: Shearing, Forming, and Welding Building including but not limited to metal working operations and miscellaneous fuel burning equipment.
AREA12	AA-1100	Building 11: Old Paint Shop including but not limited to metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. oil and water separator).
AREA13	AA-1200	Building 12: Blacksmith Shop including but not limited to metal working and lead counterweight operations and miscellaneous fuel burning equipment.
AREA14	AA-1300	Building 13: Warehouse and Wiring Harness Assembly Building including but not limited to metal working operations and miscellaneous fuel burning equipment.
AREA15	AA-1900	Building 19: Welding Shop (Large Weldments) including but not limited to metal working operations and miscellaneous fuel burning equipment.
AREA16	AA-2000	Building 20: Sudden Service, Inc. Offices including but not limited to an emergency backup generator and miscellaneous fuel burning equipment.

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ID	Designation	Description
AREA17	AA-2100	Building 21: Line Assembly Building including but not limited to metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. coolant; oil; hydraulic fluid; compressor condensate; diesel).
AREA18	AA-2200	Building 22: Welding Shop (Small Weldments) including but not limited to surface coating and metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. acetone).
AREA19	AA-2300	Building 23: Line Assembly Building including but not limited to metal working operations and miscellaneous fuel burning equipment.
AREA20	AA-2400	Building 24: Line Assembly Building including but not limited to metal working operations, miscellaneous fuel burning equipment, and tank storage (i.e. oil; compressor condensate).
AREA21	AA-2500	Building 25: Finish Prep Building including but not limited to surface coating and metal working operations, and miscellaneous fuel burning equipment.

Subject Item Groups:

ID	Description	Components
GRPT2	Operations Subject to 40 CFR 63 Subpart XXXXXX	AI 1389 Metal Working, Surface Coating, and Assembly Operations
GRPT3	Operations Subject to 40 CFR 63 Subpart ZZZZ	AREA16 Building 20: Sudden Service, Inc. Offices including but not limited to an emergency backup generator and miscellaneous fuel burning equipment. AREA9 Building 8: Machine Shop including but not limited to metal working operations, miscellaneous fuel burning equipment, an emergency backup generator, and tank storage (i.e. diesel).

KEY

ACT = Activity	AI = Agency Interest
AREA = Area	CAFO = Concentrated Animal Feeding Operation
CONT = Control Device	EQPT = Equipment
IA = Insignificant Activity	MAFO = Animal Feeding Operation
RPNT = Release Point	TRMT = Treatment

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TRMT = Treatment

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AI0000001389 Metal Working, Surface Coating, and Assembly Operations:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Taylor Machine Works, Inc. (Permit No 2980-00003), Taylor Machine Works, Inc., Plant Number 2 (Permit No 2980-00017), and Taylor Machine Works, Inc., Plant Number 3 (Permit No 2980-00023) are considered contiguous/adjacent, these facilities are under common control/ownership, and all are included in the same single major industrial grouping (have the same two-digit code); therefore, they are considered one source for permitting purposes. [APC-S-6 , I.A.17.a(1)]
L-2		For the entire facility, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity to obscure an observer's view to a degree in excess of 40%, as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.2]
L-3		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. [APC-S-1 3.4(a)(1)]
L-4		For the entire facility, the permittee shall not allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship $E = (4.1) \cdot (p^{0.67})$, 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.). [APC-S-1 3.6(a)]
L-5		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. [APC-S-1 4.1(a)]
L-6		For the entire facility, the permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-7		For the entire facility, the permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.90 tons/year (TPY) of any single HAP and no more than 24.90 TPY of total combined HAPs as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]

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AI0000001389 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-8		For the entire facility, the permittee shall limit total particulate matter (PM/PM10/PM2.5) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-9		For the entire facility, the permittee shall limit nitrogen oxide (NO _x) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-10		For the entire facility, the permittee shall limit carbon monoxide (CO) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For the entire facility, the permittee shall determine, on a monthly basis, the following for PM emissions:</p> <ul style="list-style-type: none">(a) The amount of abrasive blasting medium consumed;(b) The amount of welding electrodes and/or medium consumed; <p>The permittee may utilize data supplied by the manufacturer, or analysis of Total PM emissions by EPA Test Methods 1-5, 40 CFR 60 Appendix A, and/or an alternate EPA approved test method(s). [APC-S-2 II.B(10)]</p>

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Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used:</p> <ul style="list-style-type: none">(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); <p>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. [APC-S-2 II.B(11)]</p>
M-3		<p>For the entire facility, the permittee shall monitor, on a monthly basis, the amount of fuel used (including but not limited to: natural gas; gasoline; methane gas; acetylene) for determining NOx and CO emissions.</p> <p>The permittee may utilize data supplied by the manufacturer, or analysis of NOx and CO emissions by EPA Test Methods 7 and 10, 40 CFR 60 Appendix A, and/or an alternate EPA approved test method(s). [APC-S-2 II.B(11)]</p>

Record-Keeping Requirements:

Condition No.	Condition
R-1	<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 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. 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;(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/yr for each consecutive 12-month period. [APC-S-2 II.B(10)]

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Record-Keeping Requirements:

Condition No.	Condition
R-2	For the entire facility, the permittee shall maintain sufficient records to document: (a) The amount of abrasive blasting medium consumed on a monthly basis and in each consecutive 12-month period; (b) The amount of welding electrodes and/or medium consumed on a monthly basis and in each consecutive 12-month period; (c) The total PM emission rate in tons per month and tons per year for each consecutive 12-month period; [APC-S-2 II.B(10)]
R-3	For the entire facility, the permittee shall maintain sufficient records, on a monthly basis and for each consecutive 12-month period, of the amount of fuel used (including but not limited to: natural gas; gasoline; methane gas; acetylene) for determining NOx and CO emissions. [APC-S-2 II.B(11)]
R-4	For the entire facility, the permittee shall maintain copies of all records and reports on site for at least five (5) years and shall make them available upon request by Mississippi Department of Environmental Quality (MDEQ) personnel. [APC-S-2 II.B(10)]

Submittal/Action Requirements:

Condition No.	Condition
S-1	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: (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used; (b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used; (c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used 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 TPY for each consecutive 12-month period. [APC-S-2 II.B(11)]
S-2	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: (a) The amount of abrasive blasting medium consumed on a monthly basis and in each consecutive 12-month period; (b) The amount of welding electrodes and/or medium consumed on a monthly basis and in each consecutive 12-month period; (c) The total PM emission rate in tons per month and tons per year for each consecutive 12-month period. [APC-S-2 II.B(11)]

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Submittal/Action Requirements:

Condition No.	Condition
S-3	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: (a) The amount of fuel used (including but not limited to: natural gas; gasoline; methane gas; acetylene) for determining NOx and CO emissions; (b) The amount of fuel usage on a monthly basis and in each consecutive 12-month period; (c) The total NOx and CO emission rates in tons per month and tons per year for each consecutive 12-month period. [APC-S-2 II.B(11)]
S-4	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. [APC-S-2 II.B(11)]
S-5	General Condition: 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. [APC-S-2 II.B(10)]

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. [APC-S-2 V.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 Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 Section 10]

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Narrative Requirements:

Condition No.	Condition
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. [APC-S-2 X]
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. [APC-S-2 II.C]
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. [APC-S-2 II.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. [APC-S-2 II.B(15)c]

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AI0000001389 (continued):

Narrative Requirements:

Condition No.	Condition
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. [APC-S-2 II.B(7)]
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [APC-S-2 XVI.B]
T-13	General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D(1)]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.D. [APC-S-2 IV.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. [APC-S-2 I.D(7)]
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. [APC-S-2 II.B(15)d]

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AI0000001389 (continued):

Narrative Requirements:

Condition No.	Condition
T-17	<p>General Condition: This permit does not authorize a modification as defined in APC-S-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:</p> <ul style="list-style-type: none">(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" [APC-S-2 I.D(2)]
T-18	<p>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. [APC-S-2 II.B(15)a]</p>
T-19	<p>General Condition: 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. [APC-S-2 IX]</p>
T-20	<p>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. [APC-S-2 II.B(5)]</p>

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AI0000001389 (continued):

Narrative Requirements:

Condition No.	Condition
T-21	<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 [APC-S-2 II.B(10)]</p>
T-22	<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. [APC-S-1 Section 10]</p>

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AI0000001389 (continued):

Narrative Requirements:

Condition No.	Condition
T-23	<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. [APC-S-1 Section 10]</p>
T-24	<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. [APC-S-1 Section 10]</p>
T-25	<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. [APC-S-2 VIII]</p>

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GRPT000000002 Operations Subject to 40 CFR 63 Subpart XXXXXX:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to 40 CFR 63 Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants (NESHAP), Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. [40 CFR 63.11514(a)-(c)]
L-2		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following dry abrasive blasting standards, Sections (1) and (2), as applicable. These requirements do not apply when using any materials not containing MFHAP or do not have the potential to emit MFHAP.</p> <p>(1) If the permittee operates a dry abrasive blasting affected source that is totally enclosed and unvented, the permittee shall implement management practices to minimize emissions of MFHAP.</p> <p>(A) The permittee shall minimize dust generation during emptying of abrasive blasting enclosures.</p> <p>(B) The permittee shall operate all adbrasive blasting equipment according to the manufacturer's instructions.</p> <p>(2) If the permittee operates a dry abrasive blasting affected source which has a vent allowing any air or blast material to escape, the permittee shall comply with paragraphs (2)(A) and (B). Dry abrasive blasting operations where items exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in Condition L-3 [40 CFR 63.11516(a)(3)]</p> <p>(A) The permittee shall capture emissions and vent them to a filtration control device. The permittee shall operate the filtration control device according to manufacturer's instructions, and the permittee shall maintain a record of the manufacturer's specifications for the filtration control devices.</p> <p>(B) The permittee shall implement the management practices to minimize emissions of MFHAP as specified in paragraphs (2)(B)(i) through (iii).</p> <p>(i) The permittee shall take measures necessary to minimize excess dust in the surrounding area, as practicable.</p> <p>(ii) The permittee shall enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials.</p> <p>(iii) The permittee shall operate all dry abrasive blasting equipment according to manufacturer's instructions. [40 CFR 63.11516(a)(1)-(2)]</p>

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GRPT0000000002 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-3		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with Sections (1) through (4) concerning dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension. The permittee shall implement management practices to minimize emissions of MFHAP instead of the practices required by Condition L-2 [40 CFR 63.11516 (a) (1)-(2)]</p> <p>(1) Management practices for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension are specified in paragraphs (1)(A) through (E).</p> <p>(A) The permittee shall take measures necessary to minimize excess dust in the surrounding area, as practicable.</p> <p>(B) The permittee shall enclose abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive material.</p> <p>(C) The permittee shall operate all dry abrasive blasting equipment according to manufacturer's instructions.</p> <p>(D) The permittee shall not re-use dry abrasive blasting media unless contaminants have been removed, and the abrasive material conforms to its original size.</p> <p>(E) Whenever practicable, the permittee shall switch from high particulate matter (PM)-emitting blast media to low PM-emitting blast media.</p> <p>(2) The permittee shall perform visual determinations of fugitive emissions as applicable.</p> <p>(A) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed outdoors, the permittee shall perform visual determinations of fugitive emissions at the property border nearest to the blasting operation.</p> <p>(B) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed indoors, the permittee shall perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening.</p> <p>(3) The permittee shall keep a record of all visual determinations of fugitive emissions and any corrective actions taken.</p> <p>(4) If visible fugitive emissions are detected, the permittee shall perform corrective actions until the visible fugitive emissions are eliminated, then permittee shall comply with the requirements in paragraphs (4)(A) and (B).</p> <p>(A) The permittee shall perform a follow-up inspection for visible fugitive emissions.</p> <p>(B) The permittee shall report all instances where visible emissions are detected, of any corrective actions taken, and the results of subsequent follow-up inspections for visible emissions with the annual certification and compliance report. [40 CFR 63.11516(a)(3)]</p>

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Limitation Requirements:

Condition No.	Parameter	Condition
L-4		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with Sections (1) and (2) concerning machining. The permittee shall implement management practices to minimize emissions of MFHAP for each machining operation that uses materials that contain MFHAP or has the potential to emit MFHAP.</p> <p>(1) The permittee shall take practicable measures necessary to minimize dust in the surrounding area to reduce emissions. (2) The permittee shall operate all equipment associated with machining according to manufacturer's instructions. [40 CFR 63.11516(b)]</p>
L-5		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for dry grinding and dry polishing with machines. The permittee shall comply with the requirements of Sections (1) and (2) for operations that use materials that contain MFHAP or have the potential to emit MFHAP.</p> <p>(1) The permittee shall capture emissions and vent them to a filtration control device. The permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices. (2) The permittee shall implement management practices to minimize emissions of MFHAP as specified in paragraphs (2)(A) and (B). (A) The permittee shall take practicable measures necessary to minimize dust in the surrounding area to reduce emissions; (B) The permittee shall operate all equipment associated with the operation of dry grinding and dry polishing with machines, including the filtration control device, according to manufacturer's instructions. [40 CFR 63.11516(c)]</p>

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GRPT0000000002 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-6		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for control of MFHAP in spray painting. The permittee shall implement the management practices in Section (1) when using a paint that contains MFHAP.</p> <p>(1) All spray-applied painting of objects shall meet the requirements of paragraphs (1)(A) through (D). These requirements do not apply to affected sources located at Fabricated Structural Metal Manufacturing Facilities, or affected sources that spray paint objects greater than 15 feet that are not spray painted in spray booths or spray rooms.</p> <p>(A) Spray booths or spray rooms shall have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered. The spray booths or spray rooms shall be ventilated so that air leaves only through the filter. The roof may contain narrow slots for connecting fabricated products to overhead cranes, and/or for cords or cables.</p> <p>(B) All spray booths or spray rooms shall be fitted with a type of filter technology that is demonstrated to achieve at least 98 percent capture of MFHAP. The procedure used to demonstrate filter efficiency shall be consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1. The test coating for measuring filter efficiency shall be a high-solids bake enamel delivered at a rate of at least 135 grams per minute from a conventional (non-HVLP) air-atomized spray gun operating at 40 psi air pressure; the air flow rate across the filter shall be 150 feet per minute. Permittee may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement.</p> <p>(C) The permittee shall perform regular inspection and replacement of the filters in all spray booths or spray rooms according to manufacturer's instructions, and maintain documentation of these activities.</p> <p>(D) As an alternative compliance requirement, spray booths or spray rooms equipped with a water curtain, called "waterwash" or "waterspray" booths or spray rooms that are operated and maintained according to the manufacturer's specifications and that achieve at least 98 percent control of MFHAP, may be used in lieu of the spray booths or spray rooms requirements of paragraphs (1)(A) through (C). [40 CFR 63.11516(d)]</p>

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GRPT0000000002 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-7		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for control of MFHAP in spray painting. The permittee shall implement the management practices in Sections (1) through (4) when using a paint that contains MFHAP.</p> <p>(1) All paints shall be applied with a high-volume, low-pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology for which written approval has been obtained from the MDEQ. The procedure used to demonstrate that spray gun transfer efficiency is equivalent to that of an HVLP spray gun shall be equal to the California South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989" and "Guidelines for Demonstrating Equivalency with District Approved Transfer Efficient Spray Guns, September 26, 2002", Revision 0.</p> <p>(2) The permittee shall maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods.</p> <p>(3) All cleaning of paint spray guns shall be done with either non-HAP gun cleaning solvents, or with an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used cleaning solvent. Spray gun cleaning may be done by hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer.</p> <p>(4) All workers performing painting shall be certified that they have completed training in the proper spray application, setup and maintenance of spray equipment. The requirements of this paragraph do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor, or to operators of robotic or automated painting operations. [40 CFR 63.11516(d)(2)-(5)]</p>

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GRPT0000000002 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-8		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for control of MFHAP in spray painting. The permittee shall implement the management practices in Sections (1) through (4) when using a paint that contains MFHAP.</p> <p>(1) Each permittee shall ensure and certify that all new and existing personnel who spray apply paints are trained in the proper application of paints. The training program shall include, at a minimum, the items listed in paragraphs (1)(A) through (C).</p> <p>(A) A list of all current personnel by name and job description who are required to be trained;</p> <p>(B) Hands-on, or in-house or external classroom instruction that addresses, initial and refresher training in the topics following:</p> <p>(i) Spray gun equipment selection, set up, and operation, including measuring paint viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.</p> <p>(ii) Spray technique for different types of paints to improve transfer efficiency and minimize paint usage and overspray, including maintaining the correct distance and angle, using proper banding and overlap, and reducing lead and lag spraying.</p> <p>(iii) Routine spray booth and filter maintenance, including filter selection and installation.</p> <p>(iv) Environmental compliance with the requirements of this subpart.</p> <p>(C) A description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Alternatively, permittees who can show by documentation or certification that a painter's work experience and/or training has resulted in training equivalent to the training required in paragraph (1)(B) of this section are not required to provide the initial training to these painters.</p> <p>(2) The permittee shall maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods.</p> <p>(3) If the permittee's source is an existing source, all personnel shall be trained and certified no later than July 25, 2011, or 180 days after hiring, whichever is later. Worker training that was completed within 5 years prior to the date training is required, thus satisfying this requirement and is valid for a period not to exceed 5 years after the date the training is completed.</p> <p>(4) Training and certification will be valid for a period not to exceed 5 years after the date the training is completed. All personnel shall receive refresher training that meets the requirements of this section and be re-certified every 5 years. [40 CFR 63.11516(d)(6)-(9)]</p>

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GRPT0000000002 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-9		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for welding. The permittee shall comply with the requirements in Sections (1) through (4) for each welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP. If the permittee's welding source uses greater than 2,000 pounds per consecutive 12 month period of welding rod containing one or more MFHAP, the permittee shall demonstrate that management practices or fume control measures are being implemented.</p> <p>(1) The permittee shall operate all equipment, capture, and control devices for welding operations according to manufacturer's instructions. The permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices.</p> <p>(2) The permittee shall implement one or more of the management practices specified in paragraphs (2)(A) through (E) to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.</p> <p>(A) Use welding processes with reduced fume generation capabilities;</p> <p>(B) Use welding process variations which can reduce fume generation rates;</p> <p>(C) Use welding carrier or shielding gases, filler metals, or other materials which are capable of reduced welding fume generation;</p> <p>(D) Optimize welding process variables to reduce the amount of welding fume generated;</p> <p>(E) Use a welding fume capture and control system to the manufacturer's specifications.</p> <p>(3) Tier 1 compliance requirements for welding: The permittee shall perform visual determinations of welding fugitive emissions, at the primary vent, stack, exit, or opening from the building containing the welding operations. The permittee shall keep a record of all visual determinations of fugitive emissions along with any corrective action taken.</p> <p>(4) If visible fugitive emissions are detected during occasional determination, the permittee shall comply with the requirements</p>

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The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for welding. The permittee shall comply with the requirements in Sections (1) through (3) for each welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP.

(1) Tier 2 requirements: If visible fugitive emissions are detected more than once during any consecutive 12 month period, the permittee shall comply with paragraphs (1)(A) through (D).

(A) Within 24 hours of the end of the visual determination of fugitive emission, the permittee shall conduct a visual determination of emissions opacity at the primary vent, stack, exit, or opening from the building containing the welding operations.

(B) In lieu of the requirement of Condition L-9 Section (3) [40 CFR 63.11516 (f)(3)], the permittee shall perform visual determinations of emissions opacity using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(C) The permittee shall keep a record of each visual determination of emissions opacity performed in accordance with paragraphs (1)(B) or (C), along with any subsequent corrective action taken.

(D) The permittee shall report the results of all visual determinations of emissions opacity performed, along with any subsequent corrective action taken, and submit with the permittee's annual certification and compliance report.

(2) For each visual determination of emissions opacity performed where the average of the six-minute average opacities recorded less than 20 percent but greater than zero, the permittee shall perform corrective actions, including inspection of all welding fume sources, and evaluation of the operation and effectiveness of the management practices or fume control measures.

(3) Tier 3 requirements: For each visual determination of emissions opacity performed for which the average of the six-minute average opacities recorded exceeds 20 percent, the permittee shall comply with the following:

(A) The permittee shall submit a report of exceedance of 20 percent opacity with the annual certification and compliance report.

(B) Within 30 days of the opacity exceedance, The permittee shall prepare and implement a Site-Specific Welding Emissions Management Plan. If the permittee have already prepared a Site-Specific Welding Emissions Management Plan, the permittee shall prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days.

(C) While preparing the Site-Specific Welding Emissions Management Plan, the permittee shall perform daily visual determinations of emissions opacity, using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(D) The permittee shall maintain records of daily visual determinations of emissions opacity performed during preparation of the Site-Specific Welding Emissions Management Plan.

(E) The permittee shall include the records in the annual certification and compliance report. [40 CFR 63.11516(f)(5)-(7)]

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GRPT0000000002 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-11		<p>The permittee is subject to the Management Practice Standards of 40 CFR 63.11516 and shall comply with the following standards for welding. The permittee shall comply with the requirements in Section (1) for each welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP.</p> <p>(1) The Site-Specific Welding Emissions Management Plan shall comply with the requirements in paragraphs (1)(A) through (C).</p> <p>(A) Site-Specific Welding Emissions Management Plan shall contain the information in paragraphs (1)(A) (i) through (vi).</p> <p>(i) Company name and address.</p> <p>(ii) A list and description of all welding operations which currently comprise the welding affected source;</p> <p>(iii) A description of all management practices and/or fume control methods in place at the time of the opacity exceedence;</p> <p>(iv) A list and description of all management practices and/or fume control methods currently employed for the welding affected source;</p> <p>(v) A description of additional management practices and/or fume control methods to be implemented, and the projected date of implementation;</p> <p>(vi) Any revisions to a Site-Specific Welding Emissions Management Plan shall contain copies of all previous plan entries.</p> <p>(B) The Site-Specific Welding Emissions Management Plan shall be updated annually to contain current information, and submitted with the permittee's annual certification and compliance report.</p> <p>(C) The permittee shall maintain a copy of the current Site-Specific Welding Emissions Management Plan in the permittee's records in a readily-accessible location for inspector review. [40 CFR 63.11516(f)(8)]</p>

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GRPT0000000002 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee is subject to Monitoring for Fugitive Emissions of 40 CFR 63.11517 and shall comply with Sections (1) through (2) for abrasive blasting operations on objects greater than 8 feet in one direction and for welding operations where less than 2000 pounds of welding rod is used per consecutive 12 month period:</p> <p>(1) Visual determination of fugitive emissions, general: Visual determination of fugitive emissions shall be performed according to the procedures of EPA Method 22, of 40 CFR part 60, Appendix A-7. The permittee shall conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test shall be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period.</p> <p>(2) Visual determination of fugitive emissions, graduated schedule: Visual determinations of fugitive emissions shall be performed in accordance with Section (1) and according to the schedule in paragraphs (2)(A) through (D).</p> <p>(A) Daily Method 22 Testing. Perform visual determination of fugitive emissions once per day, on each day the process is in operation, during operation of the process.</p> <p>(B) Weekly Method 22 Testing. If no visible fugitive emissions are detected in consecutive daily EPA Method 22 tests, performed in accordance with paragraph (2)(A) for 10 days of work day operation of the process, the permittee may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible fugitive emissions are detected during these tests, the permittee shall resume EPA Method 22 testing of that operation once per day during each day that the process is in operation, in accordance with paragraph (2)(A).</p> <p>(C) Monthly Method 22 Testing. If no visible fugitive emissions are detected in four consecutive weekly EPA Method 22 tests performed in accordance with paragraph (2)(B), the permittee may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible fugitive emissions are detected during these tests, the permittee shall resume weekly EPA Method 22 in accordance with paragraph (2)(B).</p> <p>(D) Quarterly Method 22 Testing. If no visible fugitive emissions are detected in three consecutive monthly EPA Method 22 tests performed in accordance with paragraph (2)(C), the permittee may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible fugitive emissions are detected during these tests, the permittee shall resume monthly EPA Method 22 testing in accordance with paragraph (2)(C). [40 CFR 63.11517(a)-(b)]</p>

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GRPT000000002 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>The permittee is subject to Monitoring for Fugitive Emissions of 40 CFR 63.11517 and shall comply with Sections (1) and (2) for welding operations that use more than 2000 pounds of welding rod in a consecutive 12 month period:</p> <p>(1) Visual determination of emissions opacity for welding Tier 2 or 3, general: Visual determination of emissions opacity shall be performed in accordance with the procedures of EPA Method 9, of 40 CFR part 60, Appendix A-4, and while the affected source is operating under normal conditions. The duration of the EPA Method 9 test shall be thirty minutes.</p> <p>(2) Visual determination of emissions opacity for welding Tier 2 or 3, graduated schedule. The permittee shall perform visual determination of emissions opacity in accordance with Condition M-1 Section (3) [40 CFR 63.11517 (d) (1)-(5)] and according to the schedule in paragraphs (2)(A) through (E).</p> <p>(A) Daily testing: Tier 2 or 3. Perform visual determination of emissions opacity once per day during each day that the process is in operation.</p> <p>(B) Weekly testing: Tier 2 or 3. If the average of the six minute opacities recorded during any of the daily consecutive EPA Method 9 tests performed in accordance with paragraph (2)(A) does not exceed 20 percent for 10 days of operation of the process, the permittee may decrease the frequency of EPA Method 9 testing to once per five days of consecutive work day operation. If opacity greater than 20 percent is detected during any of these tests, the permittee shall resume testing every day of operation of the process according to the requirements of paragraph (2)(A).</p> <p>(C) Monthly testing: If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with paragraph (2)(B) does not exceed 20 percent for four consecutive weekly tests, the permittee may decrease the frequency of EPA Method 9 testing to once per every 21 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any monthly test, the permittee shall resume testing every five days of operation of the process according to the requirements of paragraph (1)(B).</p> <p>(D) Quarterly testing: If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with paragraph (2)(C) does not exceed 20 percent for three consecutive monthly tests, the permittee may decrease the frequency of EPA Method 9 testing to once per every 120 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any quarterly test, the permittee shall resume testing every 21 days (month) of operation of the process according to the requirements of paragraph (2)(C).</p> <p>(E) Return to Method 22 testing for welding, as in Condition M-2 Section (2) (C) and (D) [40 CFR 63.11517 (b) (3)-(4)] , if after two consecutive months of testing, the average of the six minute opacities recorded during any of the monthly EPA Method 9 tests performed in accordance with paragraph (2)(C) does not exceed 20 percent. In lieu of this, the permittee may elect to continue performing EPA Method 9 tests in accordance with paragraphs (2)(C) and (D). [40 CFR 63.11517(c)-(d)]</p>

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Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee is subject to 40 CFR 63.11519 (c) and shall comply with the following recordkeeping requirements of. The permittee shall collect and keep records of the data and information specified in Sections (1) through (7) of this condition.</p> <p>(1) Maintain information specified in paragraphs (1)(A) through (B) for each affected source.</p> <p>(A) Each notification and report that the permittee submitted to comply with this subpart, and the documentation supporting each notification and report.</p> <p>(B) Records of the applicability determinations as in Condition L-1 [40 CFR Part 63.11514(b)], listing equipment included in its affected source, as well as any changes to that and on what date they occurred, shall be maintained for 5 years and be made available for inspector review at any time.</p> <p>(2) Maintain a record of the information specified in paragraphs (2)(A) through (C) for each affected source which performs visual determination of fugitive emissions in accordance with Condition M-1 Section (1) [40 CFR 63.11517 (a)].</p> <p>(A) The date and results of every visual determination of fugitive emissions;</p> <p>(B) A description of any corrective action taken subsequent to the test;</p> <p>(C) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions.</p> <p>(3) Maintain a record of the information specified in paragraphs (3)(A) through (C) for each affected source which performs visual determination of emissions opacity in accordance with Condition M-1 Section (3) [40 CFR 63.11517 (c)].</p> <p>(A) The date of every visual determination of emissions opacity;</p> <p>(B) The average of the six-minute opacities measured by the test;</p> <p>(C) A description of any corrective action taken subsequent to the test.</p> <p>(4) Maintain a record of the manufacturer's specifications for the control devices as required in Conditions L-1 through L-11 [40 CFR 63.11516].</p> <p>(5) Maintain a record of the filter efficiency demonstrations and spray paint booth filter maintenance activities as required by Condition L-6 Section (1) (B)-(C) [40 CFR 63.11516 (d)(1)(ii)-(iii)].</p> <p>(6) Maintain a record of the water curtain efficiency demonstrations as required in Condition L-6 Section (1) (B) [40 CFR 63.11516 (d)(1)(ii)].</p> <p>(7) Maintain documentation of HVLP or other high transfer efficiency spray paint delivery systems, in compliance with Condition L-7 Section (2) [40 CFR Part 63.11516 (d)(3)]. This documentation shall include the manufacturer's specifications for the equipment and any manufacturer's operation instructions. If the permittee has obtained written approval for an alternative spray application system, the permittee shall maintain a record of that approval along with documentation of the demonstration of equivalency. [40 CFR 63.11519(c)(1)-(7)]</p>

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GRPT0000000002 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-2	<p>The permittee is subject to 40 CFR 63.11519 (c) and shall comply with the following recordkeeping requirements of. The permittee shall collect and keep records of the data and information specified in Sections (1) through (6) of this condition.</p> <p>(1) Maintain certification that each worker performing spray painting operations has completed the training, with the date the initial training and the most recent refresher training was completed.</p> <p>(2) The permittee shall maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Specific Welding Emissions Management Plan.</p> <p>(3) If the permittee has been required to prepare a Site Specific Welding Emissions Management Plan, The permittee shall maintain a copy of the current version in the permittee's records and it shall be readily available for inspector review.</p> <p>(4) If the permittee complies with any condition by operating any equipment according to manufacturer's instruction, the permittee shall keep these instructions readily available for inspector review.</p> <p>(5) If the permittee operates a welding affected source which is not required to comply with the requirements of Condition L-9 Sections (3) and (4) or Conditions L-10 and L-11 [40 CFR 63.11516 (f) (3)-(8)], because it uses less than 2,000 pounds per year of welding rod (on a rolling 12-month basis), the permittee shall maintain records demonstrating the permittee's welding rod usage on a rolling 12-month basis.</p> <p>(6) The permittee's records shall be maintained according to the requirements in paragraphs (6)(A) through (C).</p> <p>(A) The permittee's records shall be in a form suitable and readily available for expeditious review. Where appropriate, the records may be maintained as electronic spreadsheets or as a database.</p> <p>(B) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record.</p> <p>(C) The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record. The permittee may keep the records off-site for the remaining 3 years. [40 CFR 63.11519(c)(8),(11-15)]</p>

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GRPT000000002 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>The permittee is subject to the Reporting Requirements of 40 CFR 63.11519 (b) and shall comply with the following requirements concerning annual certification and compliance reports. The permittee shall prepare and submit annual certification and compliance reports for each affected source according to the requirements of paragraphs (1) through (5) of this condition.</p> <p>(1) The permittee shall prepare and submit each annual certification and compliance report according to the dates specified in paragraphs (1)(A) through (C) unless otherwise approved by the MDEQ. Note that the information reported for each of the months will be based on the last 12 months of data prior to the date of each monthly calculation.</p> <p>(A) The first annual certification and compliance report shall cover the reporting period which begins the day after the compliance date and ends on December 31.</p> <p>(B) Each subsequent annual certification and compliance report shall cover the subsequent semiannual reporting period from January 1 through December 31.</p> <p>(C) Each annual certification and compliance report shall be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedence has occurred during the year, submit exceedence reports along with annual certification and compliance report and postmark no later than January 31.</p> <p>(2) The annual certification and compliance report shall contain the information specified in Sections (2) through (4) as applicable.</p> <p>(A) Company name and address;</p> <p>(B) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report</p> <p>(C) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.</p> <p>(3) The annual certification and compliance report shall contain the information specified in paragraphs (3)(A) through (C) for each affected source which performs visual determination of fugitive emissions.</p> <p>(A) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions;</p> <p>(B) A description of the corrective actions taken subsequent to the test;</p> <p>(C) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions.</p> <p>(4) Visual determination of emissions opacity requirements. The annual certification and compliance report shall contain the information specified in paragraphs (4)(A) through (C) for each affected source which performs visual determination of emissions opacity.</p> <p>(A) The date of every visual determination of emissions opacity;</p> <p>(B) The average of the six-minute opacities measured by the test;</p> <p>(C) A description of any corrective action taken subsequent to the test.</p> <p>(5) Site-specific Welding Emissions Management Plan reporting. The permittee shall submit a copy of the records of daily visual determinations of emissions, and a copy of the permittee's Site-Specific Welding Emissions Management Plan and any subsequent revisions to the plan, along with the permittee's annual</p>

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certification and compliance report. [40 CFR 63.11519(b)(1)-(9)]

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GRPT0000000003 Operations Subject to 40 CFR 63 Subpart ZZZZ:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Beginning May 3, 2013, the permittee is subject to and shall comply with National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and General Provisions for the emergency backup generators located at emission points AA-008 and AA-020 (40 CFR 63, Subparts ZZZZ and A). [40 CFR 63.6585]
L-2		For an emergency stationary CI RICE the permittee shall: (a) change oil and filter every 500 hours of operation or annually, whichever comes first, (b) inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and (c) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(Table 2d)]
L-3		The permittee shall operate and maintain the emergency stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their 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. [40 CFR 63.6625(e)]
L-4		The permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]
L-5		The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to the subpart apply. [40 CFR 63.6625(h)]

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GRPT0000000003 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-6		<p>The permittee shall operate the emergency stationary RICE in accordance with the following requirements:</p> <p>(a) There is no time limit on the use of the emergency stationary RICE in emergency situations</p> <p>(b) The emergency stationary RICE may be operated 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 associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.</p> <p>(c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving 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; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by the conditions of this requirement, as long as the power provided by the financial arrangement is limited to emergency power.</p> <p>Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in the conditions of this requirement, is prohibited. If the engine is not operated according to conditions (a)-(c) in this requirement, the engine will not be considered an emergency engine under the subpart and will need to meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]</p>

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GRPT0000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For compliance with emission and operating limits, the permittee shall monitor and collect data according to the following:</p> <p>(a) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee shall monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(b) The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The permittee must, however, use all the valid data collected during all other periods. [40 CFR 63.6635]</p>

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GRPT0000000003 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv)(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment(c) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii)(d) Records of all required maintenance performed on the air pollution control and monitoring equipment(e) 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. [40 CFR 63.6655(a)]
R-2	<p>For each CEMS or CPMS, the permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) Records described in 40 CFR 63.10(b)(2)(vi) through (xi)(b) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3)(c) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR 63.8(f)(6)(i), if applicable. [40 CFR 63.6655(b)]
R-3	<p>The permittee shall operate and maintain the emergency stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6655(d)]</p>
R-4	<p>The permittee shall keep records of the maintenance conducted on the emergency stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to your the permittee's maintenance plan. [40 CFR 63.6655(e)]</p>

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GRPT0000000003 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-5	The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall 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. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall report each instance in which the operating limit in Table 2d of the subpart was not met. These instances are deviations from the emission and operating limitations of the subpart. These deviations must be reported according to the requirements in 40 CFR 63.6550. [40 CFR 63.6640(b)]
S-2	The permittee shall submit an annual compliance report covering the annual reporting period from January 1 through December 31. The first compliance report shall be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date, and each subsequent report shall be postmarked or delivered no later than January 31. [40 CFR 63.6650(a)]

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GRPT0000000003 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-3	<p>The Compliance report shall contain the following information:</p> <ul style="list-style-type: none">(a) Company name and address.(b) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.(c) Date of report and beginning and ending dates of the reporting period.(d) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.(e) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.(f) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. [40 CFR 63.6650(c)]

GENERAL INFORMATION

Taylor Machine Works Inc
650 North Church Avenue
Louisville, MS
Winston County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
1389	Taylor Machine Works, Inc.	Official Site Name	10/12/1993	
2815900003	Taylor Machine Works Inc	Air-AIRS AFS	10/12/2000	
MSD003398294	Taylor Machine Works, Inc.	Hazardous Waste-EPA ID	5/24/2000	
298000003	Taylor Machine Works, Inc.	Air-Title V Operating	8/17/1999	9/25/2002
298000003	Taylor Machine Works, Inc.	Air-Construction	1/28/1997	
298000003	Taylor Machine Works, Inc.	Air-Construction	7/15/1998	
298000003	Taylor Machine Works, Inc.	Air-Construction	1/22/1999	
MSR001426	Taylor Machine Works, Inc.	GP-Baseline	5/10/2000	12/8/2000
MSR001426	Taylor Machine Works, Inc.	GP-Baseline	12/8/2000	12/29/2005
MSS048496	Taylor Machine Works, Inc.	Water - NPDES	10/12/1993	10/11/1998
298000003	Taylor Machine Works, Inc.	Air-Synthetic Minor Operating	9/26/2002	8/31/2007
MSR001426	Taylor Machine Works, Inc.	GP-Baseline	12/29/2005	2/10/2011
298000003	Taylor Machine Works Inc	Air-Synthetic Minor Operating	1/8/2008	12/31/2012
1389	Taylor Machine Works	Air-Notification	5/26/2009	
MSR001426	Taylor Machine Works, Inc.	GP-Baseline	2/10/2011	9/28/2015
298000003	Taylor Machine Works Inc	Air-Synthetic Minor Operating	1/10/2013	12/31/2017

Basin: Pearl River Basin

Location Description:PG - Plant Entrance (General). Data collected by David Burchfield on 6/12/01. Elevation noted at 619 feet MSL.