



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Taylor Power Systems Inc
947 Industrial Park Drive
Clinton, MS
Hinds 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: **MAR 18 2014**

Expires: **FEB 28 2019**

Permit No. 1080-00257

Agency Interest # 65248

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Activity ID No.: PER20140002

Subject Item Inventory:

ID	Designation	Description
AI65248		Manufacturer of generator sets.
AREA1	AA-100	Facility-wide Load Test Banks [Generator testing area. Including, but not limited to diesel; liquified petroleum gas (LP); natural gas.]
AREA2	AB-100	Facility-wide Metal Working Operations [Including, but not limited to fabrication; cutting; sawing; brazing; soldering; grinding; sanding; drilling; intermittent aerosol usage (coolants; lubricants; oil preservatives; etc.); punch and drill pressing; welding.]
AREA3	AC-100	Facility-wide Surface Coating Operations [Including, but not limited to spray gun application; equipment cleaning; powder coating line.]
EQPT1	AD-101	Twenty-two (22) 0.125 MMBTU/hr Natural Gas-fired Forced Air Space Heaters
EQPT2	AD-102	One Hundred Fifty (150) 0.11 MMBTU/hr Natural Gas-fired Radiant Space Heaters
EQPT3	AD-103	Two (2) 1.49 MMBTU/hr Natural Gas-fired Office (Space Heat) Boilers
EQPT4	AD-104	Four (4) 1.2 MMBTU/hr Natural Gas-fired Test Booth Space Heaters
EQPT5	AD-105	One (1) 2.1 MMBTU/hr Natural Gas-fired Small Paint Booth Space Heater
EQPT6	AD-106	One (1) 5.346 MMBTU/hr Natural Gas-fired Large Paint Booth Space Heater
EQPT7	AD-107	Two (2) 3.5 MMBTU/hr Natural Gas-fired Powder Coat Wash Tank Heaters
EQPT8	AD-108	Two (2) 3.5 MMBTU/hr Natural Gas-fired Powder Coat Rinse Tank Heaters
EQPT9	AD-109	Two (2) 4.0 MMBTU/hr Natural Gas-fired Powder Coat Drying Ovens
EQPT10	AD-110	Two (2) 1.5 MMBTU/hr Natural Gas-fired Powder Coat Curing Ovens
EQPT11	AD-111	One (1) 0.5 MMBTU/hr Natural Gas-fired Wash Bay Steam Cleaner
EQPT12	AD-112	Two (2) 550 HP Diesel-fired Emergency Fire Pumps
EQPT13	AD-113	Two(2) 545 HP Diesel-fired Emergency Generators
EQPT14	AE-101	Three (3) 500 Gallon Engine Oil Storage Tanks
EQPT15	AE-102	One (1) 1000 Gallon Antifreeze Storage Tank
EQPT16	AE-103	One (1) 5000 Gallon Diesel Storage Tank
EQPT17	AE-104	One (1) 500 Gallon Unleaded Gasoline Storage Tank

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ID	Designation	Description
EQPT18	AE-105	Two (2) 300 Gallon Diesel Storage Tanks
EQPT19	AE-106	One (1) 500 Gallon Used Oil Storage Tank
EQPT20	AE-107	One (1) 500 Gallon Waste Antifreeze Storage Tank
EQPT21	AE-108	One (1) 420 Gallon Diesel Storage Tank
EQPT22	AE-109	One (1) 1000 Gallon LPG Storage Tank

Subject Item Groups:

ID	Description	Components
GRPT1	Facility-wide Fuel Burning Equipment [Including, but not limited to space heat; water heat; process heat (ovens); emergency power.]	EQPT1 Twenty-two (22) 0.125 MMBTU/hr Natural Gas-fired Forced Air Space Heaters
		EQPT2 One Hundred Fifty (150) 0.11 MMBTU/hr Natural Gas-fired Radiant Space Heaters
		EQPT3 Two (2) 1.49 MMBTU/hr Natural Gas-fired Office (Space Heat) Boilers
		EQPT4 Four (4) 1.2 MMBTU/hr Natural Gas-fired Test Booth Space Heaters
		EQPT5 One (1) 2.1 MMBTU/hr Natural Gas-fired Small Paint Booth Space Heater
		EQPT6 One (1) 5.346 MMBTU/hr Natural Gas-fired Large Paint Booth Space Heater
		EQPT7 Two (2) 3.5 MMBTU/hr Natural Gas-fired Powder Coat Wash Tank Heaters
		EQPT8 Two (2) 3.5 MMBTU/hr Natural Gas-fired Powder Coat Rinse Tank Heaters

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ID	Description	Components
GRPT1	Facility-wide Fuel Burning Equipment [Including, but not limited to space heat; water heat; process heat (ovens); emergency power.]	EQPT9 Two (2) 4.0 MMBTU/hr Natural Gas-fired Powder Coat Drying Ovens
		EQPT10 Two (2) 1.5 MMBTU/hr Natural Gas-fired Powder Coat Curing Ovens
		EQPT11 One (1) 0.5 MMBTU/hr Natural Gas-fired Wash Bay Steam Cleaner
		EQPT12 Two (2) 550 HP Diesel-fired Emergency Fire Pumps
		EQPT13 Two(2) 545 HP Diesel-fired Emergency Generators
GRPT2	Facility-wide Tank Storage [Including, but not limited to diesel; LPG; new and used antifreeze; new and used oil; unleaded gasoline.]	EQPT14 Three (3) 500 Gallon Engine Oil Storage Tanks
		EQPT15 One (1) 1000 Gallon Antifreeze Storage Tank
		EQPT16 One (1) 5000 Gallon Diesel Storage Tank
		EQPT17 One (1) 500 Gallon Unleaded Gasoline Storage Tank
		EQPT18 Two (2) 300 Gallon Diesel Storage Tanks
		EQPT19 One (1) 500 Gallon Used Oil Storage Tank

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ID	Description	Components
GRPT2	Facility-wide Tank Storage [Including, but not limited to diesel; LPG; new and used antifreeze; new and used oil; unleaded gasoline.]	EQPT20 One (1) 500 Gallon Waste Antifreeze Storage Tank
		EQPT21 One (1) 420 Gallon Diesel Storage Tank
		EQPT22 One (1) 1000 Gallon LPG Storage Tank
GRPT3	Metal Fabrication and Finishing Operations subject to 40 CFR Part 63 Subpart XXXXXX	AREA2 Facility-wide Metal Working Operations [Including, but not limited to fabrication; cutting; sawing; brazing; soldering; grinding; sanding; drilling; intermittent aerosol usage (coolants; lubricants; oil preservatives; etc.); punch and drill pressing; welding.]
		AREA3 Facility-wide Surface Coating Operations [Including, but not limited to spray gun application; equipment cleaning; powder coating line.]

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

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AI0000065248 Manufacturer of generator sets.:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		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. [11 Miss. Admin. Code Pt. 2, R. 1.3.B.]
L-2		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).]
L-3		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.). [11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).]
L-4		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).]
L-5		For the entire facility, the permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-6		For the entire facility, the permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.90 tons per year of any single HAP and no more than 24.90 tons per year of total combined HAP as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-7		For the entire facility, the permittee shall limit nitrogen oxide (NOx) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-8		For the entire facility, the permittee shall limit carbon monoxide (CO) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

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Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For the entire facility, the permittee shall determine the following for each coating, adhesive, solvent, or other VOC or HAP containing material used:</p> <ul style="list-style-type: none">(a) quantity used (gal);(b) the percentage of VOC by weight;(c) the percentage of HAP by weight; and(d) the density (lb/gal). <p>The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 311, 40 CFR Part 63, Appendix A, respectively. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]</p>
M-2		<p>For the entire facility, the permittee shall determine the quantity of fuel used on a monthly basis and in each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

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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) identification of each coating, adhesive, solvent or other VOC or HAP containing material used, and the total gallons of each coating and each solvent used on a monthly basis and in any 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; and(c) the density of each coating, adhesive, solvent or other VOC or HAP containing material(d) the total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per year based on a consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
R-2	<p>For the entire facility, the permittee shall maintain sufficient records to document:</p> <ul style="list-style-type: none">(a) the quantity of fuel used on a monthly basis and in each consecutive 12-month period;(b) nitrogen oxide emissions in tons per year for each consecutive 12-month period; and(c) carbon monoxide emissions in tons per year for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
R-3	<p>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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

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Submittal/Action Requirements:

Condition No.	Condition
S-1	<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) 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 any consecutive 12-month period; and(d) the total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per year based on a consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
S-2	<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 quantity of fuel used;(b) a nitrogen oxide emission rate in tons per year based on a consecutive 12-month period; and(c) a carbon monoxide emission rate in tons per year base on a consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
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>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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p>

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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", [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	<p>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:</p> <p>(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</p> <p>(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]</p>
T-7	<p>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:</p> <p>(a) Violation of any terms or conditions of this permit</p> <p>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or</p> <p>(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.]</p>

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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	<p>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:</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" [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 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.]

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Narrative Requirements:

Condition No.	Condition
T-20	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).]
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 [11 Miss. Admin.Code Pt. 2, R.2.2.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. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>

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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. [11 Miss. Admin.Code Pt. 2, R.1.10.]</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. [11 Miss. Admin.Code Pt. 2, R.1.10.]</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. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p>

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GRPT0000000003 Metal Fabrication and Finishing Operations subject to 40 CFR Part 63 Subpart XXXXXX:

Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 63 Subpart XXXXXX:</p> <p>(a) The permittee is subject to 40 CFR Part 63 Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories.</p> <p>(b) The provisions of this subpart apply to each new and existing affected source listed and defined in paragraphs (1) through (4) of this section if you use materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), defined to be the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead. Materials that contain MFHAP are defined to be materials that contain greater than 0.1 percent for carcinogens, as defined by OSHA at 29 CFR 1910.1200(d)(4), and greater than 1.0 percent for noncarcinogens. For the MFHAP, this corresponds to materials that contain cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (of the metal), and materials that contain manganese in amounts greater than or equal to 1.0 percent by weight (of the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material.</p> <p>(1) A machining affected source is the collection of all equipment and activities necessary to perform machining operations which use materials that contain or have the potential to emit MFHAP.</p> <p>(2) A dry grinding and dry polishing with machines affected source is the collection of all equipment and activities necessary to perform dry grinding and dry polishing with machines operations which use materials that contain or have the potential to emit MFHAP.</p> <p>(3) A spray painting affected source is the collection of all equipment and activities necessary to perform spray-applied painting operations using paints which contain MFHAP. A spray painting affected source includes all equipment used to apply cleaning materials to a substrate to prepare it for paint application (surface preparation) or to remove dried paint; to apply a paint to a substrate (paint application) and to dry or cure the paint after application; or to clean paint operation equipment (equipment cleaning). Affected source(s) subject to the requirements of this paragraph are not subject to the miscellaneous surface coating provisions of 40 CFR Part 63 Subpart HHHHHH.</p> <p>(4) A welding affected source is the collection of all equipment and activities necessary to perform welding operations which use materials that contain or have the potential to emit MFHAP. [40 CFR 63.11514(a)-(b)(1)]</p>

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GRPT0000000003 (continued):

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Condition No.	Condition
T-2	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR MACHINING: If the permittee operates a new or existing machining affected source, the permittee shall implement management practices to minimize emissions of MFHAP as specified in paragraphs (1) and (2) of this section for each machining operation that uses materials that contain or have the potential to emit MFHAP.</p> <p>(1) The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable. (2) The permittee shall operate all equipment associated with machining according to manufacturer's instructions. [40 CFR 63.11516(b)]</p>
T-3	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR DRY GRINDING AND POLISHING WITH MACHINES: If the permittee operates a new or existing dry grinding and dry polishing with machines affected source, the permittee shall comply with the requirements of paragraphs (1) through (3) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain 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, as specified by the requirements in 40 CFR Part 63.11519(c)(4). (2) The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable. (3) 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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GRPT0000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-4	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR CONTROL OF MFHAP IN SPRAY PAINTING:</p> <p>If the permittee operates a new or existing spray painting affected source, as defined in 40 CFR Part 63.11514 (b)(4), the permittee shall implement the management practices in paragraphs (1) through (9) of this section when a spray-applied paint that contains MFHAP is being applied.</p> <p>(1) Standards for spray painting for MFHAP control: All spray-applied painting of objects shall meet the requirements of paragraphs (1)(i) through (iii) of this section.</p> <p>(i) 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 is drawn into the booth and 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>(ii) 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-High Volume Low Pressure) 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 and are not required to perform this measurement.</p> <p>(iii) 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, as detailed in 40 CFR Part 63.11519(c)(5).</p> <p>(iv) 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 (a)(1)(i) through (iii) of this section. [40 CFR 63.11516(d)(1)]</p>

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GRPT0000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-5	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR CONTROL OF MFHAP IN SPRAY PAINTING CONTINUED:</p> <p>(2) Standards for spray painting application equipment of all objects painted for MFHAP control: All paints applied via spray-applied painting 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 that is demonstrated to achieve transfer efficiency comparable to one of these spray gun technologies for a comparable operation, and 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 equivalent 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>(3) Spray system recordkeeping: The permittee shall maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods, as detailed in 40 CFR Part 63.11519(c)(7).</p> <p>(4) Spray gun cleaning: All cleaning of paint spray guns shall be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent. Spray gun cleaning may be done with, for example, 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. A combination of these non-atomizing methods may also be used.</p> <p>(5) Spray painting worker certification: All workers performing painting shall be certified that they have completed training in the proper spray application of paints and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described in paragraph (6) of this section. The spray application of paint is prohibited by persons who are not certified as having completed the training described in paragraph (6) of this section. [40 CFR 63.11516(d)(2)-(5)]</p>

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GRPT0000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR CONTROL OF MFHAP IN SPRAY PAINTING CONTINUED:</p> <p>(6) Spray painting training program content: Each permittee of an affected spray painting affected source shall ensure and certify that all new and existing personnel, including contract personnel, who spray apply paints are trained in the proper application of paints as required by paragraph (5) of this section. The training program shall include, at a minimum, the items listed in paragraphs (6)(i) through (iii) of this section.</p> <p>(i) A list of all current personnel by name and job description who are required to be trained.</p> <p>(ii) Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in paragraphs (6)(ii)(A) through (D) of this section.</p> <p>(A) 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>(B) Spray technique for different types of paints to improve transfer efficiency and minimize paint usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke.</p> <p>(C) Routine spray booth and filter maintenance, including filter selection and installation.</p> <p>(D) Environmental compliance with the requirements of this subpart.</p> <p>(iii) 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 (6)(ii) of this section are not required to provide the initial training required by that paragraph to these painters.</p> <p>(7) Records of spray painting training: The permittee shall maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods as detailed in 40 CFR Part 63.11519(c)(8). [40 CFR 63.11516(d)(6)-(7)]</p>

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GRPT0000000003 (continued):

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Condition No.	Condition
T-7	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR CONTROL OF MFHAP IN SPRAY PAINTING CONTINUED:</p> <p>(8) Spray painting training dates: As required by paragraph (a)(5) of this section, all new and existing personnel at an affected spray painting affected source, including contract personnel, who spray apply paints shall be trained by the dates specified in paragraph (8)(i) of this section.</p> <p>(i) If the permittee's source is an existing source, all personnel shall be trained and certified no later than 180 days after hiring. Worker training that was completed within 5 years prior to the date training is required, and that meets the requirements specified in paragraph (6)(ii) of this section, satisfies this requirement and is valid for a period not to exceed 5 years after the date the training is completed.</p> <p>(9) Duration of training validity. 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)(8)-(9)]</p>
T-8	<p>MACT Subpart XXXXXX - 40 CFR 63.11516 STANDARDS FOR WELDING:</p> <p>If the permittee operates a new or existing welding affected source, the permittee shall comply with the requirements in paragraphs (1) and (2) of this section for each welding operation that uses materials that contain or has the potential to emit MFHAP. If the permittee's welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), the permittee shall demonstrate that management practices or fume control measures are being implemented by complying with the requirements in 40 CFR 63.11516 (f)(3) through (8).</p> <p>(1) The permittee shall operate all equipment, capture, and control devices associated with 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, as specified by the requirements in 40 CFR Part 63.11519(c)(4).</p> <p>(2) The permittee shall implement one or more of the management practices specified in paragraphs (2)(i) through (v) of this section to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.</p> <p>(i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW) also called metal inert gas welding (MIG)).</p> <p>(ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates.</p> <p>(iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation.</p> <p>(iv) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated.</p> <p>(v) Use a welding fume capture and control system, operated according to the manufacturer's specifications. [40 CFR 63.11516(f)(1)-(2)]</p>

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Condition No.	Condition
T-9	<p>MACT Subpart XXXXXX - 40 CFR 63.11519 NOTIFICATIONS TO SUBMIT:</p> <p>(1) Initial notification: If the permittee operates an area source in one of the nine metal fabrication and finishing source categories, the permittee shall submit the Initial Notification required by 40 CFR Part 63.9(b) for a new affected source no later than 120 days after initial startup. For an existing affected source, the date the permittee was required to have submitted the Initial Notification was July 25, 2011. The permittee's Initial Notification shall provide the information specified in paragraphs (1)(i) through (iv) of this section.</p> <p>(i) The name, address, phone number and e-mail address of the permittee.</p> <p>(ii) The address (physical location) of the affected source.</p> <p>(iii) An identification of the relevant standard (i.e., this subpart).</p> <p>(iv) A brief description of the type of operation. For example, a brief characterization of the types of products, the number and type of processes, and the number of workers usually employed.</p> <p>(2) Notification of compliance status: The permittee operates an existing source, the permittee was required to submit a notification of compliance status on or before November 22, 2011. If the permittee operates a new affected source, the permittee shall submit a notification of compliance status within 120 days after initial startup. The permittee is required to submit the information specified in paragraphs (2)(i) through (iv) of this section with the permittee's notification of compliance status:</p> <p>(i) The permittee's company name and address.</p> <p>(ii) A statement by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart.</p> <p>(iii) If the permittee operates any spray painting affected sources, the information required by 40 CFR Part 63.11516(e)(3)(vi)(C), or 40 CFR Part 63.11516(e)(4)(ix)(C), as applicable.</p> <p>(iv) The date of the notification of compliance status. [40 CFR 63.11519(a)]</p>

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GRPT0000000003 (continued):

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Condition No.	Condition
T-10	<p>MACT Subpart XXXXXX - 40 CFR 63.11519 REPORTS TO SUBMIT:</p> <p>(1) 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 following.</p> <p>(2) Dates: Unless the MDEQ has approved or agreed to a different schedule for submission of reports under 40 CFR Part 63.10(a), the permittee shall prepare and submit each annual certification and compliance report according to the dates specified in paragraphs (2)(i) through (iii) of this section. Note that the information reported for each of the 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>(i) The first annual certification and compliance report shall cover the first annual reporting period which begins the day after the compliance date and ends on December 31.</p> <p>(ii) Each subsequent annual certification and compliance report shall cover the subsequent semiannual reporting period from January 1 through December 31.</p> <p>(iii) 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, each annual certification and compliance report shall be submitted along with the exceedence reports, and postmarked or delivered no later than January 31.</p> <p>(3) General requirements: The annual certification and compliance report shall contain the information specified in paragraphs (3)(i) through (iii).</p> <p>(i) Company name and address.</p> <p>(ii) 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>(iii) 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. [40 CFR 63.11519(b)(1)-(4)]</p>

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GRPT0000000003 (continued):

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Condition No.	Condition
T-11	<p>MACT Subpart XXXXXX - 40 CFR 63.11519 RECORDS TO KEEP:</p> <p>(1) General compliance and applicability records: Maintain each notification and report that the permittee submitted to comply with this subpart, and the documentation supporting each notification and report. The permittee must also maintain the records of the applicability determinations as in 40 CFR Part 63.11514(b)(1) through (5), listing equipment included in its affected source, as well as any changes to that and on what date they occurred. These records shall be maintained for 5 years and be made available for inspector review at any time.</p> <p>(2) Visual determination of fugitive emissions records: Maintain a record of the information specified in paragraphs (2)(i) through (iii) of this section for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR Part 63.11517(a).</p> <p>(i) The date and results of every visual determination of fugitive emissions.</p> <p>(ii) A description of any corrective action taken subsequent to the test.</p> <p>(iii) 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 manufacturer's specifications for the control devices used to comply with 40 CFR Part 63.11516.</p> <p>(4) Spray paint booth filter records: Maintain a record of the filter efficiency demonstrations and spray paint booth filter maintenance activities, performed in accordance with 40 CFR Part 63.11516(d)(1)(ii) and (iii).</p> <p>(5) Waterspray booth or water curtain efficiency tests: Maintain a record of the water curtain efficiency demonstrations performed in accordance with 40 CFR Part 63.11516(d)(1)(ii).</p> <p>(6) HVLP or other high transfer efficiency spray delivery system documentation records: Maintain documentation of HVLP or other high transfer efficiency spray paint delivery systems, in compliance with 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 have obtained written approval for an alternative spray application system in accordance with 40 CFR Part 63.11516(d)(2), 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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GRPT0000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-12	<p>MACT Subpart XXXXXX - 40 CFR 63.11519 RECORDS TO KEEP CONTINUED:</p> <p>(7) HVLP or other high transfer efficiency spray delivery system employee training documentation records: Maintain certification that each worker performing spray painting operations has completed the training specified in 40 CFR Part 63.11516(d)(6), with the date the initial training and the most recent refresher training was completed.</p> <p>(8) Manufacturer's instructions: If the permittee demonstrates compliance by operating any equipment according to manufacturer's instruction, the permittee shall keep these instructions readily available for inspector review.</p> <p>(9) Welding Rod usage: If the permittee operate a new or existing welding affected source which is not required to comply with the requirements of 40 CFR Part 63.11516(f)(3) through (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>(10) The permittee's records shall be maintained according to the requirements in paragraphs (c)(4)(i) through (iii) of this section.</p> <p>(i) The permittee's records shall be in a form suitable and readily available for expeditious review, according to 40 CFR Part 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.</p> <p>(ii) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record.</p> <p>(iii) 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 according to 40 CFR Part 63.10(b)(1). The permittee may keep the records off-site for the remaining 3 years. [40 CFR 63.11519(c)(8)-(15)]</p>

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EQPT0000000012 (AD-112) Two (2) 550 HP Diesel-fired Emergency Fire Pumps:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		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 (40 CFR 63, Subparts ZZZZ and A). [40 CFR 63.6585]
L-2		<p>For an emergency stationary CI RICE the permittee shall:</p> <p>(a) change oil and filter every 500 hours of operation or annually, whichever comes first,</p> <p>(b) inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and</p> <p>(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)]</p>
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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EQPT0000000012 (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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EQPT0000000012 (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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EQPT0000000012 (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 §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 §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 §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 §63.10(b)(2)(vi) through (xi)(b) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3)(c) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in §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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EQPT0000000012 (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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EQPT0000000012 (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 §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)]

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EQPT0000000013 (AD-113) Two(2) 545 HP Diesel-fired Emergency Generators:

Narrative Requirements:

Condition No.	Condition
T-1	The permittee is subject to and shall comply with 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). [40 CFR 63.6585(c), 40 CFR 63.6590(a)(2)(iii) and (c)]
T-2	The permittee is subject to 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in the paragraphs following. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are manufactured after April 1, 2006, and are not fire pump engines. [40 CFR 60.4200(a)]

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-3	<p>NSPS Subpart IIII - 40 CFR 60.4205 EMISSION STANDARDS:</p> <p>(a) Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder shall comply with the emission standards in Table 1 of 40 CFR Part 60, Subpart IIII. Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder shall comply with the emission standards in 40 CFR 94.8(a)(1).</p> <p>(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder shall comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.</p> <p>(c) Owners and operators of emergency stationary CI engines with a displacement of greater than or equal to 30 liters per cylinder shall meet the requirements following:</p> <p>(1) For engines installed prior to January 1, 2012, limit the emissions of NOX in the stationary CI internal combustion engine exhaust to the following:</p> <p>(i) 17.0 g/KW-hr (12.7 g/HP-hr) when maximum engine speed is less than 130 rpm;</p> <p>(ii) $45 * n^{(-0.2)}$ g/KW-hr ($34 * n^{(-0.2)}$ g/HP-hr) when maximum engine speed is 130 or more but less than 2,000 rpm, where n is maximum engine speed; and</p> <p>(iii) 9.8 g/kW-hr (7.3 g/HP-hr) when maximum engine speed is 2,000 rpm or more.</p> <p>(2) For engines installed on or after January 1, 2012, limit the emissions of NOX in the stationary CI internal combustion engine exhaust to the following:</p> <p>(i) 14.4 g/KW-hr (10.7 g/HP-hr) when maximum engine speed is less than 130 rpm;</p> <p>(ii) $44 * n^{(-0.23)}$ g/KW-hr ($33 * n^{(-0.23)}$ g/HP-hr) when maximum engine speed is greater than or equal to 130 but less than 2,000 rpm and where n is maximum engine speed; and</p> <p>(iii) 7.7 g/KW-hr (5.7 g/HP-hr) when maximum engine speed is greater than or equal to 2,000 rpm.</p> <p>(3) Limit the emissions of PM in the stationary CI internal combustion engine exhaust to 0.40 g/KW-hr (0.30 g/HP-hr).</p> <p>(d) Owners and operators of emergency stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests in-use shall meet the NTE standards as indicated in 40 CFR 60.4212. [40 CFR 60.4205(a)-(f)]</p>

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-4	<p>NSPS Subpart IIII - 40 CFR 60.4207 FUEL REQUIREMENTS:</p> <p>(a) Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel shall use diesel fuel that meets the following requirements:</p> <p>(1) Sulfur content: 500 parts per million (ppm) maximum.</p> <p>(2) Cetane index or aromatic content: a minimum cetane index of 40, or a maximum aromatic content of 35 volume percent.</p> <p>(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel shall purchase diesel fuel that meets the following requirements for nonroad diesel fuel:</p> <p>(1) Sulfur content: 15 ppm maximum for NR diesel fuel, or 500 ppm maximum for LM diesel fuel.</p> <p>(2) Cetane index or aromatic content: a minimum cetane index of 40, or a maximum aromatic content of 35 volume percent.</p> <p>(c) Beginning June 1, 2012, owners and operators of stationary CI ICE subject to this subpart with a displacement of greater than or equal to 30 liters per cylinder are no longer subject to the requirements of paragraph (a) of this section, and shall use fuel that meets a maximum per-gallon sulfur content of 1,000 parts per million (ppm). [40 CFR 60.4207(a)-(e)]</p>
T-5	<p>NSPS Subpart IIII - 40 CFR 60.4208 INSTALLATION DEADLINES:</p> <p>(a) After December 31, 2008, owners and operators shall not install stationary CI ICE that do not meet the applicable requirements for 2007 model year engines.</p> <p>(b) After December 31, 2009, owners and operators shall not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) that do not meet the applicable requirements for 2008 model year engines. [40 CFR 60.4208(a)-(i)]</p>
T-6	<p>NSPS Subpart IIII - 40 CFR 60.4209 MONITORING REQUIREMENTS:</p> <p>(a) If the permittee is an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, the permittee shall install a non-resettable hour meter prior to startup of the engine.</p> <p>(b) If the permittee is an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter, the diesel particulate filter shall be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. [40 CFR 60.4209(a)-(b)]</p>

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-7	<p>NSPS Subpart IIII - 40 CFR 60.4211 COMPLIANCE REQUIREMENTS:</p> <p>(a) If the permittee is an owner or operator and shall comply with the emission standards specified in this subpart, the permittee shall do all of the following, except as permitted under paragraph (g) of this section:</p> <p>(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;</p> <p>(2) Change only those emission-related settings that are permitted by the manufacturer; and</p> <p>(3) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply.</p> <p>(b) If the permittee is an owner or operator of a pre-2007 model year stationary CI internal combustion engine and shall comply with the emission standards specified in 40 CFR 60.4205(a), the permittee shall demonstrate compliance according to one of the methods specified in paragraphs (b)(1) through (5) of this section.</p> <p>(1) Purchasing an engine certified according to 40 CFR Part 89 or 40 CFR Part 94, as applicable, for the same model year and maximum engine power. The engine shall be installed and configured according to the manufacturer's specifications.</p> <p>(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test shall have been conducted using the same methods specified in this subpart and these methods shall have been followed correctly.</p> <p>(3) Keeping records of engine manufacturer data indicating compliance with the standards.</p> <p>(4) Keeping records of control device vendor data indicating compliance with the standards.</p> <p>(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212.</p> <p>(c) If the permittee is an owner or operator of a 2007 model year and later stationary CI internal combustion engine and shall comply with the emission standards specified in 40 CFR 60.4205(b), the permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section. [40 CFR 60.4211(a)-(c)]</p>

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-8	<p>NSPS Subpart IIII - 40 CFR 60.4211 COMPLIANCE REQUIREMENTS CONTINUED:</p> <p>(d) If the permittee is an owner or operator and shall comply with the emission standards specified in 40 CFR 60.4205(d), the permittee shall demonstrate compliance according to the requirements specified in the paragraphs following:</p> <p>(1) Conducting an initial performance test to demonstrate initial compliance with the emission standards as specified in 40 CFR 60.4213.</p> <p>(2) Establishing operating parameters to be monitored continuously to ensure the stationary internal combustion engine continues to meet the emission standards. The owner or operator shall petition the Administrator for approval of operating parameters to be monitored continuously and include the information following:</p> <p>(i) Identification of the specific parameters the permittee proposes to monitor continuously;</p> <p>(ii) A discussion of the relationship between these parameters and NOx and PM emissions, identifying how the emissions of these pollutants change with changes in these parameters, and how limitations on these parameters will serve to limit NOx and PM emissions;</p> <p>(iii) A discussion of how the permittee will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;</p> <p>(iv) A discussion identifying the methods and the instruments the permittee will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and</p> <p>(v) A discussion identifying the frequency and methods for recalibrating the instruments the permittee will use for monitoring these parameters.</p> <p>(e) If the permittee is an owner or operator of a modified or reconstructed stationary CI internal combustion engine and shall comply with the emission standards specified in 40 CFR 60.4205(f), the permittee shall demonstrate compliance according to one of the methods specified in the paragraphs following:</p> <p>(1) Purchasing, or otherwise owning or operating, an engine certified to the emission standards in 40 CFR 60.4205(f).</p> <p>(2) Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR 60.4212 or 40 CFR 60.4213. The test shall be conducted within 60 days after the engine commences operation after the modification or reconstruction. [40 CFR 60.4211(d)-(e)]</p>

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-9	<p>NSPS Subpart IIII - 40 CFR 60.4211 COMPLIANCE REQUIREMENTS CONTINUED:</p> <p>(f) Emergency stationary ICE 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. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance and testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing beyond 100 hours per year. Emergency stationary ICE may operate 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 non-emergency power as part of a financial arrangement with another entity.</p> <p>(g) If the permittee does not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance as follows:</p> <p>If the permittee is an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, the permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. [40 CFR 60.4211(f)-(g)]</p>

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	<p>NSPS Subpart IIII - 40 CFR 60.4212 TESTING METHODS: Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant to this subpart shall do so according to paragraphs (a) through (e) of this section.</p> <p>(a) The performance test shall be conducted according to the in-use testing procedures in 40 CFR Part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR Part 1042, Subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder.</p> <p>(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR Part 1039 shall not exceed the not-to-exceed (NTE) standards for the same model year and maximum engine power as required in 40 CFR 1039.101(e) and 40 CFR 1039.102(g)(1), except as specified in 40 CFR 1039.104(d). This requirement starts when NTE requirements take effect for nonroad diesel engines under 40 CFR Part 1039.</p> <p>(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, shall not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard, determined from the following equation: NTE requirement for each pollutant = $(1.25) \times (\text{STD})$ Where:STD = The standard specified for that pollutant as applicable. Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines may follow the testing procedures specified in 40 CFR 60.4213 of this subpart, as appropriate.</p> <p>(d) Exhaust emissions from stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in 40 CFR 60.4205(a) shall not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard, determined from the equation in paragraph (c) of this section.</p> <p>(e) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR Part 1042 shall not exceed the NTE standards for the same model year and maximum engine power as required in 40 CFR 1042.101(c). [40 CFR 60.4212(a)-(e)]</p>

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EQPT0000000013 (continued):

Narrative Requirements:

Condition No.	Condition
T-11	<p>NSPS Subpart IIII - 40 CFR 60.4213 TESTING METHODS: Owners and operators of stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder shall conduct performance tests according to the paragraphs following:</p> <p>(a) Each performance test shall be conducted according to the requirements in 40 CFR 60.8 and under the specific conditions that this subpart specifies in Table 7 of 40 CFR Part 60, Subpart IIII. The test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load.</p> <p>(b) The permittee shall not conduct performance tests during periods of startup, shutdown, or malfunction.</p> <p>(c) The permittee shall conduct three separate test runs for each performance test required in this section, as specified in 40 CFR 60.8(f). Each test run shall last at least 1 hour.</p> <p>(d) To determine compliance with the percent reduction requirement, the permittee shall follow the requirements as specified in 40 CFR Part 60.4213 (d)(1) through (3). [40 CFR 60.4213(a)-(d)]</p>
T-12	<p>NSPS Subpart IIII - 40 CFR 60.4214 REPORTING REQUIREMENTS:</p> <p>(a) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in Table 5 of 40 CFR Part 60, Subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner shall record the time of operation of the engine and the reason the engine was in operation during that time.</p> <p>(b) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator shall keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. [40 CFR 60.4214(b)-(c)]</p>

GENERAL INFORMATION

Taylor Power Systems Inc
947 Industrial Park Drive
Clinton, MS
Hinds County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
65248	The Taylor Group, Inc.	Official Site Name	1/15/2014	
108000257	Taylor Power Systems Inc	Air-Construction	3/18/2014	
108000257	Taylor Power Systems Inc	Air-Synthetic Minor Operating	3/18/2014	2/28/2019

Basin: Big Black River Basin

Location Description: