



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Caterpillar Remanufactured Components Group
100 Caterpillar Drive
Booneville, MS
Prentiss County

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

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: **MAR 16 2015**

Expires: **APR 30 2019**

Permit No. 2340-00048

Agency Interest # 1110

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Caterpillar Remanufactured Components Group

Subject Item Inventory

Permit Number:2340-00048

Activity ID No.: PER20140002

Subject Item Inventory:

ID	Designation	Description
AI1110		Remanufacturer of Diesel Engine Components
AREA82	AA-100	Facility-wide Surface Coating Operations [Including, but not limited to spray applications (arc wire; robotic weld; flame; rust preventative); parts dunker tanks.]
AREA84	AB-100	Facility-wide Metal Working Operations [Including, but not limited to blasting (ceramic bead; metal shot; slurry); grinding; polishing; detailing; welding; machining; equipped with controls.]
AREA50	AC-101	Rod Final Wash [Including, but not limited to one (1) 490 gallon tank; one (1) 420 gallon tank.]
AREA51	AC-102	Rod Rough Wash [Including, but not limited to one (1) 625 gallon tank; two (2) 325 gallon tanks.]
AREA53	AC-103	New Parts Dunker - Groups 1 & 2 [Including, but not limited to four (4) 500 gallon tanks.]
AREA54	AC-104	Water/Oil Pump Final Wash [Including, but not limited to one (1) 560 gallon tank; one (1) 1400 gallon tank.]
AREA56	AC-105	Fuel System Final Wash [Including, but not limited to one (1) 305 gallon tank; four (4) 220 gallon tanks.]
AREA57	AC-106	Fuel System Rough Wash [Including, but not limited to five (5) 330 gallon tanks.]
AREA59	AC-107	Five (5) Stage Oil Cooler Cleaning [Including, but not limited to two (2) 350 gallon tanks; two (2) 200 gallon tanks.]
AREA60	AC-108	Cam Shaft Tarp Wash [Including, but not limited to one (1) 350 gallon tank.]
AREA69	AC-109	Typhoon Fuel System Wash [Including, but not limited to one (1) 130 gallon tank.]
AREA70	AC-110	Rod Belt Wash [Including, but not limited to one (1) 200 gallon tank.]
AREA71	AC-111	Rocker Arm Wash [Including, but not limited to one (1) 190 gallon tank; one (1) 175 gallon tank; three (3) stage washer consisting of three (3) 300 gallon tanks.]
AREA72	AC-112	Aluminum Parts Wash [Including, but not limited to one (1) 1252 gallon tank.]
AREA74	AC-113	Pin Wash [Including, but not limited to one (1) 300 gallon tank.]
AREA79	AC-114	Piston Wash [Including, but not limited to one (1) 275 gallon tank; three (3) stage washer consisting of one (1) 400 gallon tank and two (2) 275 gallon tanks.]
AREA88	AC-115	Flywheel Operation
AREA67	AC-116	Crown Rough Wash [Including, but not limited to one (1) 190 gallon tank; one (1) 175 gallon tank.]
AREA68	AC-117	Crown Final Wash [Including, but not limited to one (1) 175 gallon tank.]
AREA75	AC-118	Red Parts Washers

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ID	Designation	Description
EQPT55	AD-101	One (1) 0.8 MMBTU/hr Natural Gas-fired Burner
EQPT56	AD-102	Two (2) 0.2 MMBTU/hr Natural Gas-fired Burners
EQPT57	AD-103	Two (2) 1.5 MMBTU/hr Natural Gas-fired Burners
EQPT58	AD-104	One (1) 3.0 MMBTU/hr Natural Gas-fired Burner
EQPT59	AD-105	Two (2) 1.0 MMBTU/hr Natural Gas-fired Burners
EQPT62	AD-106	Natural Gas-fired Rooftop Air Makeup and Conditioning Units [Including, but not limited to a total capacity of 5.703 MMBTU/hr.]
EQPT54	AD-107	One (1) 0.92 MMBTU/hr (361 HP) Diesel-fired Backup Generator
EQPT63	AD-108	Two (2) 0.25 MMBTU/hr Natural Gas-fired Ovens
EQPT64	AD-109	One (1) 0.7 MMBTU/hr Natural Gas-fired Burner
AREA87	AE-100	Facility-wide Miscellaneous Operations [Including, but not limited to fuel system assembly and testing; battery charge; induction heat cam shaft gears; disassembly; assembly and packaging; oil and chemical use (miscellaneous; maintenance; machining); component flush station.]

Subject Item Groups:

ID	Description	Components
GRPT2	Facility-wide Washing/Cleaning Operations [Including, but not limited to engine connecting rod; new parts; oil and wash pump (rough and final); fuel system (rough and final); four stage oil cooler; cam shaft tarp; crown (rough and final); typhoon fuel system; rod belt; rocker arm (rough); aluminum parts; heat pin; red tool and minor parts; various dunker tanks and washers; piston flush station; immersion tank.]	AREA50 Rod Final Wash [Including, but not limited to one (1) 490 gallon tank; one (1) 420 gallon tank.]

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		AREA53 New Parts Dunker - Groups 1 & 2 [Including, but not limited to four (4) 500 gallon tanks.]
		AREA54 Water/Oil Pump Final Wash [Including, but not limited to one (1) 560 gallon tank; one (1) 1400 gallon tank.]
		AREA56 Fuel System Final Wash [Including, but not limited to one (1) 305 gallon tank; four (4) 220 gallon tanks,]

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		AREA59 Five (5) Stage Oil Cooler Cleaning [Including, but not limited to two (2) 350 gallon tanks; two (2) 200 gallon tanks.]
		AREA60 Cam Shaft Tarp Wash [Including, but not limited to one (1) 350 gallon tank.]
		AREA69 Typhoon Fuel System Wash [Including, but not limited to one (1) 130 gallon tank.]

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		AREA71 Rocker Arm Wash [Including, but not limited to one (1) 190 gallon tank; one (1) 175 gallon tank; three (3) stage washer consisting of three (3) 300 gallon tanks.]
		AREA72 Aluminum Parts Wash [Including, but not limited to one (1) 1252 gallon tank.]
		AREA74 Pin Wash [Including, but not limited to one (1) 300 gallon tank.]

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		AREA88 Flywheel Operation
		AREA67 Crown Rough Wash [Including, but not limited to one (1) 190 gallon tank; one (1) 175 gallon tank.]
		AREA68 Crown Final Wash [Including, but not limited to one (1) 175 gallon tank.]

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ID	Description	Components
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GRPT3	Facility-wide Fuel Burning Equipment [Including, but not limited to natural gas-fired burners; ovens; dryer(s); air makeup and conditioning units; diesel-fired backup generator.]	EQPT55 One (1) 0.8 MMBTU/hr Natural Gas-fired Burner
		EQPT56 Two (2) 0.2 MMBTU/hr Natural Gas-fired Burners
		EQPT57 Two (2) 1.5 MMBTU/hr Natural Gas-fired Burners
		EQPT58 One (1) 3.0 MMBTU/hr Natural Gas-fired Burner
		EQPT59 Two (2) 1.0 MMBTU/hr Natural Gas-fired Burners
		EQPT62 Natural Gas-fired Rooftop Air Makeup and Conditioning Units [Including, but not limited to a total capacity of 5.703 MMBTU/hr.]

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ID	Description	Components
GRPT3	Facility-wide Fuel Burning Equipment [Including, but not limited to natural gas-fired burners; ovens; dryer(s); air makeup and conditioning units; diesel-fired backup generator.]	EQPT54 One (1) 0.92 MMBTU/hr (361 HP) Diesel-fired Backup Generator
		EQPT63 Two (2) 0.25 MMBTU/hr Natural Gas-fired Ovens
		EQPT64 One (1) 0.7 MMBTU/hr Natural Gas-fired Burner

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 1110 Remanufacturer of Diesel Engine Components	Discharges Into	Tuscumbia River

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

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KEY

WDPT = Withdrawal Point

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AI0000001110 Remanufacturer of Diesel Engine Components:

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 89.0 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 9.60 tons per year of any single HAP and no more than 22.60 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 total particulate matter (PM/PM10/PM2.5) emissions to no more than 89.0 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 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) in accordance with 63.6585(c) and 63.6590(a)(1)(iii). [40 CFR 63.6585(c) and 63.6590(a)(1)(iii)]

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AI0000001110 (continued):

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 PM/PM10/PM2.5 producing materials which may include, but is not limited to, abrasive blasting medium, welding wire, electrodes consumed/used, etc. used on a monthly basis and in any consecutive 12-month period.</p> <p>The permittee may utilize data supplied by the manufacturer, or analysis of PM/PM10/PM2.5 emissions by EPA Test Methods 1-5, 40 CFR 60 Appendix A, and/or an alternate EPA approved test method(s). [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 PM/PM10/PM2.5 producing materials which may include, but is not limited to, abrasive blasting medium, welding wire, electrodes, etc. consumed/used on a monthly basis and in any consecutive 12-month period; and(b) total particulate emissions in tons per year for any 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 PM/PM10/PM2.5 producing materials which may include, but is not limited to, abrasive blasting medium, welding wire, electrodes, etc. consumed/used; and(b) the total particulate 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-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 Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, R. 1.10.]
T-5	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin. Code Pt. 2, R. 2.10.]
T-6	<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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AI0000001110 (continued):

Narrative Requirements:

Condition No.	Condition
T-8	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of the permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).]
T-9	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]
T-10	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).]
T-11	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).]
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin. Code Pt. 2, R. 2.1.D(1).]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.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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AI0000001110 (continued):

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 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" [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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AI0000001110 (continued):

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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AI0000001110 (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. [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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EQPT0000000054 (AD-107) One (1) 0.92 MMBTU/hr (361 HP) Diesel-fired Backup Generator:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AD-107, the permittee shall comply with the following requirements: (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(a) and Table 2d]

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EQPT0000000054 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For Emission Point AD-107, the permittee shall comply with the following monitoring requirements:</p> <p>(a) operate and maintain according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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;</p> <p>(b) install a non-resettable hour meter;</p> <p>(c) 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 non-startup emission limitations apply; and</p> <p>(d) the permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee shall change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee shall change the oil within 2 days or before commencing operation, whichever is later. The permittee shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63.6625(e), (f), (h) and (i)]</p>

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EQPT0000000054 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>For Emission Point AD-107, the permittee shall comply with the following continuous compliance requirements:</p> <p>(a) work or management practices by operating and maintaining according to the manufacturer's emission-related operation and maintenance instructions or by developing and following a maintenance plan which shall 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;</p> <p>(b) report each instance in which an emission or operating limitation (that applies) was not met according to 40 CFR 63.6650;</p> <p>(c) report each instance in which a general provisions requirement (that applies) was not met;</p> <p>(d) operate in accordance with the following:</p> <p>(1) there is no time limit on the use of emergency stationary RICE in emergency situations.</p> <p>(2) 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 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. [40 CFR 63.6605, 40 CFR 63.6640(a), (b), (e) and (f)]</p>

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EQPT0000000054 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>For Emission Point AD-107, the permittee shall comply with the following recordkeeping requirements:</p> <ul style="list-style-type: none">(a) a copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status 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; and(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;(f) keep the records required in Table 6 of this subpart (as stated in 40 CFR 63.6605 and 63.6640) to show continuous compliance with each emission or operating limitation that applies;(g) keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan; and(h) 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). [40 CFR 63.6655(a), (d), (e) and (f)]

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EQPT0000000054 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-2	<p>For Emission Point AD-107, the permittee shall comply with the following recordkeeping requirements:</p> <p>(a) records shall be in a form suitable and readily available for expeditious review according to 63.10(b)(1);</p> <p>(b) as specified in 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record; and</p> <p>(c) keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 63.10(b)(1). [40 CFR 63.6660]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>For Emission Point AD-107, the permittee shall comply with the reporting requirement: if an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. The permittee shall report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR 63_Subpart ZZZZ., Table 2d (Footnote 2)]</p>

GENERAL INFORMATION

Caterpillar Remanufactured Components Group
100 Caterpillar Drive
Booneville, MS
Prentiss County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
1110	Caterpillar, Remanufactured Components Group	Official Site Name	4/19/1995	
2811700048	Caterpillar Remanufactured Components Gr	Air-AIRS AFS	10/12/2000	
MSR000002402	Caterpillar, Remanufactured Components Group	Hazardous Waste-EPA ID	12/2/1997	
234000048	Caterpillar, Remanufactured Components Group	Air-Construction	10/9/1998	
234000048	Caterpillar, Remanufactured Components Group	Air-State Operating	5/14/1996	5/1/2001
234000048	Caterpillar, Remanufactured Components Group	Air-Construction	7/3/1998	
234000048	Caterpillar, Remanufactured Components Group	Air-State Operating	5/14/1998	5/1/2001
234000048	Caterpillar, Remanufactured Components Group	Air-State Operating	10/9/1998	5/1/2001
234000048	Caterpillar, Remanufactured Components Group	Air-Construction	5/2/2000	5/2/2000
234000048	Caterpillar, Remanufactured Components Group	Air-State Operating	5/2/2000	
MSR100494	Caterpillar, Remanufactured Components Group	GP-Construction	4/19/1995	12/11/1996
MSR110147	Caterpillar, Remanufactured Components Group	GP-Sara Title III	5/15/1996	2/7/2001
MSP091313	Caterpillar, Remanufactured Components Group	Water - Pretreatment	6/12/1997	8/12/1999
234000048	Caterpillar, Remanufactured Components Group	Air-Construction	12/10/2001	
234000048	Caterpillar, Remanufactured Components Group	Air-State Operating	12/10/2001	11/30/2002
MSR110147	Caterpillar, Remanufactured Components Group	GP-Baseline	2/7/2001	4/3/2006
234000048	Caterpillar Remanufactured Components Group	Air-Synthetic Minor Operating	12/23/2003	11/30/2008
MSR110147	Caterpillar, Remanufactured Components Group	GP-Baseline	4/3/2006	10/9/2008
1110	Caterpillar Remanufactured Components Group	No Exposure Certification	10/10/2008	6/28/2012
234000048	Caterpillar Remanufactured Components Group	Air-Synthetic Minor Operating	8/10/2009	5/30/2014
MSR002091	Caterpillar Remanufactured Components Group	GP-Baseline	6/28/2012	9/28/2015
234000048	Caterpillar Remanufactured Components Group	Air-Synthetic Minor Operating	5/30/2014	4/30/2019

Basin: Tombigbee River Basin

GENERAL INFORMATION

Location Description:PG- Plant Entrance (General). Data collected by Randy Jones on 11/01/2005.