

**State of Mississippi**

**FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT**

**Permit to Operate Air Emissions Equipment at a Synthetic Minor Source**

**THIS CERTIFIES**  
**PACCAR Engine Company**  
**1000 PACCAR Drive**  
**Columbus, MS**  
**Lowndes 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: OCT 17 2012

Expires: SEP 30 2017

Permit No. 1680-00072

Agency Interest # 35384

Table of Contents

Subject Item Inventory.....i

Facility Requirements.....1

General Information.....A-1

Other Relevant Documents:

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company

Subject Item Inventory

Permit Number:1680-00072

Activity ID No.: PER20120001

### Subject Item Inventory:

ID	Designation	Description
AI35384	AA-000	Facility Wide Emissions from the Engine Machining, Assembly and Testing Facility
AREA2	AA-101	Block Machine Line
AREA25	AA-101a	Two (2) Bearing Cap Cracking Machines
AREA3	AA-102	Head Machine Line
AREA5	AA-200	Component Assembly
AREA6	AA-300	Engine Assembly
AREA8	AA-402	Ten (10) Functional non-COP Hot Test Cells
AREA9	AA-403	One (1) COP Test Cell
AREA12	AA-406	Four (4) R&D Engine Test Cells
AREA13	AA-501	Robotic Spray Booth
AREA14	AA-502	Manual Spray Booth (vents to AA-501)
AREA22	AA-503	Small Parts Washer
AREA24	AA-504	Paint Touch-up
AREA15	AA-601	Facility Wide Comfort Heating with a total combined design capacity of 9.29 MMBTU/Hr.
AREA16	AA-602	Miscellaneous Combustion Sources with a total combined design capacity of 2.3 MMBTU/Hr.
AREA17	AA-603	Paint Line ASH equipped with a 6.00 MMBTU/Hr burner.
AREA18	AA-604	Wash Dry Off Oven equipped with a 1.6 MMBTU/Hr burner.
AREA19	AA-605	Paint Cure Oven equipped with a 1.2 MMBTU/Hr burner.
AREA20	AA-606	Washer Tanks Hot Water Generator equipped with a 6.0 MMBTU/Hr burner.
EQPT1	AA-701	One (1) 15,000 Gallon Diesel Fuel Storage Tank
EQPT2	AA-702	One (1) 15,000 Gallon Engine Oil Storage Tank
EQPT3	AA-703	One (1) 5,000 Gallon Waste Oil Storage Tank

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company

Subject Item Inventory

Permit Number:1680-00072

Activity ID No.: PER20120001

ID	Designation	Description
EQPT4	AA-704	One (1) 1,500 Gallon Protectant Storage Tank
EQPT5	AA-705	One (1) 6,500 Gallon Waste Protectant and/or Waste Protectant Storage Tank
EQPT6	AA-706	One (1) 6,500 Gallon Oily Waste/Reserve Storage Tank
EQPT9	AA-707	One (1) 10,000 Gallon Coolant Storage Tank
EQPT11	AA-708	One (1) 1,500 Gallon Storage Tank for Engine Oil and/or Protectant
EQPT8	AA-801	One (1) 440 kW Diesel Fired Emergency Generator
EQPT10	AA-802	One (1) 240 hP Diesel Fired Emergency Fire Water Pump
AREA23	AA-901	Two (2) Small Parts Washers for Maintenance Areas
AREA26	AA-902	Internal and External Pallet Washers
EQPT13	AA-803	One (1) 15 kW Diesel Fired Emergency Generator

### Subject Item Groups:

ID	Description	Components
GRPT1	Facility Wide Engine Component Machining	AREA2 Block Machine Line
		AREA25 Two (2) Bearing Cap Cracking Machines
		AREA3 Head Machine Line
GRPT2	Facility Wide Engine Test Cells (Functional Test, COP Test, Engine Test Lab)	AREA8 Ten (10) Functional non-COP Hot Test Cells
		AREA9 One (1) COP Test Cell
		AREA12 Four (4) R&D Engine Test Cells
GRPT3	Facility Wide Paint/Surface Coating and Miscellaneous/Maintenance Activities	AREA13 Robotic Spray Booth
		AREA14 Manual Spray Booth (vents to AA-501)
		AREA22 Small Parts Washer

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company

Subject Item Inventory

Permit Number:1680-00072

Activity ID No.: PER20120001

ID	Description	Components
GRPT3	Facility Wide Paint/Surface Coating and Miscellaneous/Maintenance Activities	AREA24 Paint Touch-up
GRPT4	Facility Wide Natural Gas Combustion	AREA15 Facility Wide Comfort Heating with a total combined design capacity of 9.29 MMBTU/Hr. AREA16 Miscellaneous Combustion Sources with a total combined design capacity of 2.3 MMBTU/Hr. AREA17 Paint Line ASH equipped with a 6.00 MMBTU/Hr burner. AREA18 Wash Dry Off Oven equipped with a 1.6 MMBTU/Hr burner. AREA19 Paint Cure Oven equipped with a 1.2 MMBTU/Hr burner. AREA20 Washer Tanks Hot Water Generator equipped with a 6.0 MMBTU/Hr burner.
GRPT5	Facility Wide Storage Tanks	EQPT1 One (1) 15,000 Gallon Diesel Fuel Storage Tank EQPT2 One (1) 15,000 Gallon Engine Oil Storage Tank EQPT3 One (1) 5,000 Gallon Waste Oil Storage Tank EQPT4 One (1) 1,500 Gallon Protectant Storage Tank EQPT5 One (1) 6,500 Gallon Waste Protectant and/or Waste Protectant Storage Tank EQPT6 One (1) 6,500 Gallon Oily Waste/Reserve Storage Tank EQPT9 One (1) 10,000 Gallon Coolant Storage Tank EQPT11 One (1) 1,500 Gallon Storage Tank for Engine Oil and/or Protectant
GRPT6	Facility Wide Standby/Emergency Generator	EQPT13 One (1) 15 kW Diesel Fired Emergency Generator EQPT8 One (1) 440 kW Diesel Fired Emergency Generator EQPT10 One (1) 240 hP Diesel Fired Emergency Fire Water Pump
GRPT7	Facility Wide Miscellaneous Processes and/or Equipment	AREA23 Two (2) Small Parts Washers for Maintenance Areas AREA26 Internal and External Pallet Washers

### Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 35384 Facility Wide Emissions from the Engine Machining, Assembly and Testing Facility	Discharges Into	Catalpa Creek
	Then Into	Tenn Tom Waterway

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company

Subject Item Inventory

Permit Number:1680-00072

Activity ID No.: PER20120001

Subject Item	Relationship	Receiving Stream
AI 35384 Facility Wide Emissions from the Engine Machining, Assembly and Testing Facility	Then Into	Tombigbee River

### **KEY**

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company

Facility Requirements

Permit Number:1680-00072

Activity ID No.: PER20120001

Page 1 of 14

### AI0000035384 (AA-000) Facility Wide Emissions from the Engine Machining, Assembly and Testing Facility:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall limit emissions to no more than 99.0 tons per year (TPY) as determined for each consecutive 12-month period on a rolling basis. [APC-S-2 II.B(10)]
L-2	Nitrogen oxides	Nitrogen oxides: The permittee shall limit emissions to no more than 99.0 tons per year (TPY) as determined for each consecutive 12-month period on a rolling basis. [APC-S-2 II.B(10)]
L-3		The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.2]
L-4		The maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [APC-S-1 3.4(a)1]
L-5		The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [APC-S-1 4.1(a)]
L-6		Facility-Wide Emission Limitations The permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-7		Facility-Wide Emission Limitations The permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.9 tons/year (TPY) of any single HAP and no more than 24.9 TPY of total combined HAPs as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-8		The permittee shall limit emissions of Particulate Matter/Particulate Matter-10 (PM/PM10) to no more than 99.0 tons per year as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 2 of 14

**AI0000035384 (continued):**

### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Carbon Monoxide	Carbon Monoxide: The permittee shall monitor the fuel quantity and quality for determining the emission rate. [APC-S-2 II.B(10)]
M-2	Nitrogen oxides	Nitrogen oxides: The permittee shall monitor the fuel quantity and quality for determining the emission rate. [APC-S-1 II.B(10)]
M-3		<p>Monitoring Requirements</p> <p>For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used:</p> <ul style="list-style-type: none"><li>(a) The quantity used (gallons);</li><li>(b) The percentage of VOCs by weight;</li><li>(c) The percentage of each individual HAP and total HAP by weight;</li><li>(d) The density (lbs/gal);</li></ul> <p>The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method. [APC-S-2 II.B(11)]</p>
M-4		The permittee shall monitor particulate matter emissions for determining the emission rate. [APC-S-2 II.B(10)]

### Record-Keeping Requirements:

#### Carbon Monoxide:

Condition No.	Condition
R-1	Carbon Monoxide: The permittee shall keep monthly records of the fuel quantity and quality and utilize this data for determining the emission rate as determined by a 12-month consecutive basis on a rolling total. [APC-S-2 II.B(10)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 3 of 14

### AI0000035384 (continued):

#### Record-Keeping Requirements:

##### Nitrogen oxides:

Condition No.	Condition
R-2	Nitrogen oxides: The permittee shall keep monthly records of the fuel quantity and quality and utilize this data for determining the emission rate as determined by a 12-month consecutive basis on a rolling total. [APC-S-2 II.B(10)]

Condition No.	Condition
R-3	<p>Recordkeeping Requirements</p> <p>For the entire facility, the permittee shall maintain sufficient records to document:</p> <p>(a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material and the total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used on a monthly basis and in each consecutive 12-month period;</p> <p>(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;</p> <p>(c) The density of each coating, adhesive, solvent or other VOC or HAP containing material used;</p> <p>(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/yr for each consecutive 12-month period. [APC-S-2 II.B(10)]</p>
R-4	<p>Recordkeeping Requirements</p> <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. [APC-S-2 II.B(10)]</p>
R-5	The permittee shall keep monthly records of the Particulate Matter/Particulate Matter-10 (PM/PM10) emission sources and utilize this data for determining the emission rate as determined by a 12-month consecutive basis on a rolling total. [APC-S-2 II.B(10)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 4 of 14

### AI0000035384 (continued):

#### Submittal/Action Requirements:

##### Carbon Monoxide:

Condition No.	Condition
S-1	Carbon Monoxide: The permittee shall submit annual reports due on January 31st for the preceding calendar year of the fuel quantity and quality and subsequent emission rate as determined by a 12-month consecutive basis on a rolling total. [APC-S-2 II.B(10)]

##### Nitrogen oxides:

Condition No.	Condition
S-2	Nitrogen oxides: The permittee shall submit annual reports due on January 31st for the preceding calendar year of the fuel quantity and quality and subsequent emission rate as determined by a 12-month consecutive basis on a rolling total. [APC-S-2 II.B(10)]

Condition No.	Condition
S-3	General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [APC-S-2 II.B(10)]
S-4	Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [APC-S-2 II.B(11)]
S-5	For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following: (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used; (b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used; (c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used in each consecutive 12-month period; (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and TPY for each consecutive 12-month period. [APC-S-2 II.B(11)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 5 of 14

### AI0000035384 (continued):

#### Submittal/Action Requirements:

Condition No.	Condition
S-6	The permittee shall submit annual reports due on January 31st for the preceding calendar year of the Particulate Matter/Particulate Matter-10 (PM/PM10) emission sources and subsequent emission rate as determined by a 12-month consecutive basis on a rolling total. [APC-S-2 II.B(10)]

#### Narrative Requirements:

Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [APC-S-2 V.A]
T-3	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 Section 10]
T-5	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [APC-S-2 X]
T-6	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 6 of 14

### AI0000035384 (continued):

#### Narrative Requirements:

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

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 7 of 14

### AI0000035384 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-15	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [APC-S-2 I.D(7)]
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [APC-S-2 II.B(15)d]
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"><li>(a) routine maintenance, repair, and replacement;</li><li>(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;</li><li>(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;</li><li>(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;</li><li>(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</li><li>(f) any change in ownership of the stationary source" [APC-S-2 I.D(2)]</li></ul>
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. [APC-S-2 II.B(15)a]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 8 of 14

### AI0000035384 (continued):

#### Narrative Requirements:

Condition No.	Condition
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. [APC-S-2 IX]
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. [APC-S-2 II.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 [APC-S-2 II.B(10)]</p>

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 9 of 14

### AI0000035384 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-22	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [APC-S-1 Section 10]</p>
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p>

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 10 of 14

### AI0000035384 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-24	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p>
T-25	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [APC-S-2 VIII]</p>

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 11 of 14

### EQPT0000000008 (AA-801) One (1) 440 kW Diesel Fired Emergency Generator:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AA-801, the permittee is subject to 40 CFR 60, Subpart IIII-New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines. [40 CFR 60.4200(a)(2)i]
L-2		For Emission Point AA-801, the permittee shall comply with the emission standards in 40 CFR 60.4202 by purchasing an engine from a manufacturer that certifies the engine for all pollutants for the model year. [40 CFR 60.4205(b)]
L-3		For Emission Point AA-801, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(a). [40 CFR 60.4207(a)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 12 of 14

### EQPT0000000010 (AA-802) One (1) 240 hP Diesel Fired Emergency Fire Water Pump:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AA-802, the permittee is subject to 40 CFR 60, Subpart IIII-New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines. [40 CFR 60.4200(a)(2)ii]
L-2		For Emission Point AA-802, the permittee shall comply with the emission standards in 40 CFR 60, Table 4, for all pollutants. [40 CFR 60.4205(c)]
L-3		For the Emission Point AA-802, the permittee shall purchase diesel fuel that meets the requirements of 40 CFR 80.510(a) for nonroad diesel fuel. [40 CFR 60.4207(a)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company  
Facility Requirements  
Permit Number:1680-00072  
Activity ID No.: PER20120001

Page 13 of 14

### EQPT0000000013 (AA-803) One (1) 15 kW Diesel Fired Emergency Generator:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AA-803, the permittee is subject to 40 CFR 60, Subpart IIII-New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines. [40 CFR 60.4200(a)(2)i]
L-2		For Emission Point AA-803, the permittee shall comply with the emission standards in 40 CFR 60.4202 by purchasing an engine from a manufacturer that certifies the engine for all pollutants for the model year. [40 CFR 60.4205(b)]
L-3		For Emission Point AA-803, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b). [40 CFR 60.4207(b)]

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

PACCAR Engine Company

Facility Requirements

Permit Number:1680-00072

Activity ID No.: PER20120001

Page 14 of 14

### GRPT0000000006 (AA-800) Facility Wide Standby/Emergency Generator:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For Emission Point AA-800, the permittee shall comply with the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For Emission Point AA-800, the permittee shall operate and maintain according to the manufacturer's emission-related written instructions and change only those emission-related settings that are permitted by the manufacture and meet the applicable requirements of 40 CFR parts 89, 94 and/or 1068. [40 CFR 60.4211(a)(1 thru 3)]
M-2		For Emission Point AA-800, the permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [40 CFR 60.4211(c)]
M-3		For Emission Point AA-800, the permittee may operate the emergency stationary ICE 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. 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. For emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year is prohibited. [40 CFR 60.4211(f)]

## GENERAL INFORMATION

PACCAR Engine Company  
1000 PACCAR Drive  
Columbus, MS  
Lowndes County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
35384	PACCAR Engine Company	Official Site Name	3/15/2007	
WQC2007038	Lowndes County Industrial Development Authority, Jupiter Industrial Facility	WQC Number	5/1/2007	
SAM20070336NSB	Lowndes County Industrial Development Authority, Jupiter Industrial Facility	COE Public Notice/ Permit Number	3/16/2007	4/15/2007
MSR104726	PACCAR Engine Company	GP-Construction	7/17/2007	8/16/2011
168000072	PACCAR Engine Company	Air-Construction	11/20/2007	
168000072	PACCAR Engine Company	Air-Synthetic Minor Operating	11/20/2007	10/17/2012
MSP092177	PACCAR Engine Company	Water - Pretreatment	7/28/2008	6/30/2013
MSR001949	PACCAR Engine Company	GP-Baseline	6/15/2010	11/29/2010
2808700072	PACCAR Engine Company	Air-AIRS AFS	3/15/2007	
MSR001949	PACCAR Engine Company	GP-Baseline	11/29/2010	9/28/2015
168000072	PACCAR Engine Company	Air-Synthetic Minor Operating	10/17/2012	9/30/2017

**Basin:** Tombigbee River Basin

**Location Description:**