STATE OF MISSISSIPPI
AND FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT AT A SYNTHETIC MINOR SOURCE

THIS CERTIFIES THAT

PACCAR Engine Company
1000 PACCAR Drive
Columbus, Lowndes County, Mississippi

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

Krystal Rudolph

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: April 7, 2022 **Permit No.: 1680-00072**

Effective Date: As specified herein.

Expires: March 31, 2027

35384 PER20210001

SECTION 1

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)

2. 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.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.4.D.)

3. Any activities not identified in the application are not authorized by this permit.

   (Ref.: Miss. Code Ann. 49-17-29 1.b)

4. 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.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)

5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)

6. 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.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)

7. 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.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)

8. The permittee shall allow the Mississippi Department of Environmental Quality (MDEQ) 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.

(Ref.: Miss. Code Ann. 49-17-21)

9. 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.

(Ref.: Miss. Code Ann. 49-17-39)

10. 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(7).)

11. This permit does not authorize a modification as defined in Mississippi Administrative Code, Title 11, Part 2, Chapter 2 – "Permit Regulations for the Construction and/or Operation of Air Emission Equipment". A modification may require a Permit to Construct and a modification of this permit.

"Modification" is defined as [a]ny physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:

(a) Routine maintenance, repair, and replacement;

(b) Use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;

(c) Use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;

(d) Use of an alternative fuel or raw material by a stationary source which:

(1) 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 Part 51 – Subpart I, or 40 CFR 51.166; or

(2) The source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51 – Subpart I, or 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 52.21 or under regulations approved pursuant to 40 CFR Part 51 – Subpart I or 40 CFR 51.166; or

(f) Any change in ownership of the stationary source.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.C(15).)

B. GENERAL OPERATIONAL CONDITIONS

1. 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 or, in the absence of an approved schedule, with the appropriate requirements specified in Mississippi Administrative Code, Title 11, Part 2, Chapter 3 – "Regulations for the Prevention of Air Pollution Emergency Episodes" – for the level of emergency declared.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.10.)

2. Any diversion from or bypass of collection and control facilities is prohibited, except as provided for in Mississippi Administrative Code, Title 11, Part 2, Chapter 1, Rule 1.10 – "Provisions for Upsets, Startups, and Shutdowns".

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

3. 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.

   (Ref.: Miss. Code Ann. 49-17-29 1.a(i and ii.))

4. Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, start-ups, and shutdowns.

   (a) Upsets

      (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:

         (i) An upset occurred and that the source can identify the cause(s) of the upset;

         (ii) The source was at the time being properly operated;

         (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;

(iv) That within five (5) working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;

(v) That as soon as practicable but no later than twenty-four (24) hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.

(2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.

(3) This provision is in addition to any upset provision contained in any applicable requirement.

(4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit the EPA or third party enforcement actions.

(b) Start-ups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)

(1) Start-ups and shutdowns are part of normal source operation. Emission limitations apply during start-ups and shutdowns unless source specific emission limitations or work practice standards for start-ups and shutdowns are defined by an applicable rule, regulation, or permit.

(2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in Mississippi Administrative Code, Title 11, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for start-ups and shutdowns. Source specific emission limitations or work practice standards established for start-ups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).

(3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

5. *Compliance Testing*: Regarding compliance testing:

(a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations of this permit and in units of mass per time.

(b) Compliance testing will be performed at the expense of the permittee.

(c) Each emission sampling and analysis report shall include but not be limited to the following:

(1) Detailed description of testing procedures;

(2) Sample calculation(s);

(3) Results; and

(4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), and (6).)

C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION

1. 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.

   If the applicant submits a timely and complete application pursuant to this paragraph and the Permit Board, through no fault of the applicant, fails to act on the application on or before the expiration date of the existing permit, the applicant shall continue to operate the stationary source under the terms and conditions of the expired permit, which shall remain in effect until final action on the application is taken by the Permit Board. Permit expiration terminates the source's ability to operate unless a timely and complete renewal application has been submitted.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.8.)

2. The permittee shall furnish to the MDEQ within a reasonable time any information the 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 the 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 the MDEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(d).)

3. The permit and/or any part thereof may be modified, revoked, reopened and reissued, or terminated for cause. Sufficient cause for a 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 permit condition.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).)

4. 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) Persistent 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 federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.C.)

5. This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)

SECTION 2
EMISSION POINT DESCRIPTION

The permittee is authorized to operate air emissions equipment, as described in the following table.

Emission Point	Description
AA-000	Facility Wide Emissions from the Engine Machining, Assembly, and Testing Facility
AA-101	Block Machining equipped with environmental enclosures routed to two-stage coolant mist collection and recovery systems followed by HEPA filters which are exhausted inside the building
AA-101a	Two (2) Bearing Cap Cracking Machines with emissions from each controlled by a dust collector
AA-102	Head Machining equipped with environmental enclosures routed to two-stage coolant mist collection and recovery systems followed by HEPA filters which are exhausted inside the building.
AA-402*	Ten (10) Functional Test Cells including two (2) capable of performing Conformity of Production (COP) Tests.
AA-406**	Four (4) R&D Engine Test Cells
AA-501	Robotic Spray Booth with a waterwash Venturi scrubber and mist eliminator
AA-502	Manual Spray Booth (vented to AA-501)
AA-503	Small Parts Washer in Paint Area
AA-504	Aerosol Paint Touch-up
AA-601	Facility Wide Comfort Heating with a total combined design capacity of 9.29 MMBTU/hr
AA-602	Miscellaneous Combustion Sources with a total combined design capacity of 2.3 MMBTU/hr
AA-603	Paint Line Air Supply House (ASH) equipped with a 6.0 MMBTU/hr natural gas-fired burner
AA-604	Wash Dry Off Oven equipped with a 1.6 MMBTU/hr natural gas-fired burner
AA-605	Paint Cure Oven equipped with a 1.2 MMBTU/hr natural gas-fired burner
AA-606	Washer Tanks Hot Water Generator equipped with a 6.0 MMBTU/hr natural gas-fired burner
AA-701	15,000-Gallon Diesel Fuel Storage Tank
AA-702	15,000-Gallon Engine Oil Storage Tank
AA-703	5,000-Gallon Waste Oil Storage Tank
AA-704	1,500-Gallon Protectant Storage Tank

Emission Point	Description
AA-705	6,500-Gallon Protectant and/or Waste Protectant Storage Tank
AA-706	6,500-Gallon Oily Waste/Reserve Storage Tank
AA-707	10,000-Gallon Coolant Storage Tank
AA-708	1,500-Gallon Storage Tank for Engine Oil and/or Protectant
AA-709	16,000-Gallon Coolant Storage Tank
AA-710	16,000-Gallon Coolant Storage Tank
AA-711	15,000-Gallon Diesel Fuel Storage Tank
AA-712	15,000-Gallon Coolant Storage Tank
AA-801	440 kW (670 HP) Diesel-Fired Emergency Generator; Model Year: 2008
AA-802	240 HP (179 kW) Diesel-Fired Emergency Fire Water Pump Engine; Model Year: 2007
AA-803	15 kW (27.1 HP) Diesel-Fired Emergency Generator; Model Year: 2009
AA-901	Two (2) Small Parts Washers for Maintenance Areas
AA-902	Internal and External Pallet Washers
AA-903	Pre-Washer in Head Assembly
AA-904	Parts Washer in Heavy Repair Area
*For Emission Point AA-402, it is important to note that only five (5) test cells have been constructed to date. **Emission Point AA-406 has not yet been constructed as of the reissuance of this permit.	

SECTION 3
EMISSION LIMITATIONS AND STANDARDS

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant / Parameter	Limitation / Standard
Facility Wide	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.1	Opacity	Opacity from any point source shall not exceed 40% unless otherwise specified
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2		Visual obscuration caused by uncombined water droplets does not apply to the 40% Opacity limitation.
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	3.3	PM (*filterable only)*	$E = 4.1 (p^{0.67})$
AA-601 through AA-606 and AA-801 through AA-803	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.4	PM (*filterable only)*	0.6 lbs. / MMBTU
AA-101a AA-501	11 Miss. Admin Code Pt. 2, R. 2.2.B(10).	3.5	PM / PM_{10} (*filterable only*)	Operate emissions control devices at all times during operation
AA-402 AA-406 AA-501 AA-502 AA-503 AA-504 AA-901 AA-902 AA-903 AA-904	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	3.6	VOCs	95.0 tpy (12-month rolling total)
		3.7	HAPs	9.0 tpy (Individual) 24.0 tpy (Combined) (both limits expressed as 12-month rolling totals)
AA-801 AA-802 AA-803	40 CFR 60, Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines 40 CFR 60.4200(a)(2)(i-ii), Subpart IIII	3.8	HAPs	Applicability
	40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) 40 CFR 63.6580; 63.6585(a) and (c); and 63.6590(a)(2)(iii) and (c)(1), Subpart ZZZZ	3.9		
	40 CFR 60.4209(a), Subpart IIII	3.10	Hours of operation	Install a non-resettable hour meter prior to start-up

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant / Parameter	Limitation / Standard
AA-801 AA-802 AA-803	40 CFR 60.4211(a)(1-3), (c), and (f)(1-3), Subpart IIII	3.11	Operating requirements	Operating requirements
	40 CFR 60.4207(b), Subpart IIII	3.12	Fuel Requirements	Sulfur content of 15 ppm max., **AND** Minimum cetane index of 40, **OR** Maximum aromatic content of 35 volume percent
AA-801	40 CFR 60.4205(b) and 60.4202(a)(2), Subpart IIII	3.13	$NMHC+NO_X$ CO PM	· 4.0 g/kW-hr · 3.5 g/kW-hr · 0.20 g/kW-hr
	40 CFR 60.4205(b) and 60.4202(a)(2), Subpart IIII	3.14	Opacity	· 20% during acceleration; · 15% during lugging; and · 50% during peaks in either acceleration or lugging
AA-802	40 CFR 60.4205(c) and Table 4 to Subpart IIII	3.15	$NMHC+NO_X$ CO PM	· 7.8 g/HP-hr · 2.6 g/HP-hr · 0.40 g/HP-hr
AA-803	40 CFR 60.4205(b), 60.4202(a)(1)(ii), and Table 2 to Subpart IIII	3.16	$NMHC+NO_X$ CO PM	· 7.5 g/kW-hr · 6.6 g/kW-hr · 0.40 g/kW-hr
	40 CFR 60.4205(b) and 60.4202(a)(1)(ii), Subpart IIII	3.17	Opacity	· 20% during acceleration; · 15% during lugging; and · 50% during peaks in either acceleration or lugging

3.1 Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) & (b).

(a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.

(b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)

3.2 Except as otherwise specified or limited herein, 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 as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Condition 3.1. This shall not apply to vision obscuration caused by uncombined water droplets.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

3.3 For the entire facility, the permittee shall limit the emissions of Particulate Matter (PM) to no more than the rate determined by the following 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).)

3.4 For Emission Points AA-601 through AA-606 and AA-801 through AA-803, 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

3.5 For Emission Points AA-101a and AA-501, in order to minimize the emissions of PM and Particulate Matter with a diameter of 10 microns (PM_{10}), the permittee shall operate all accompanying emissions control devices at all times in which these processes are in operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.6 For Emission Points AA-402, AA-406, AA-501, AA-502, AA-503, AA-504, AA-901, AA-902, AA-903, and AA-904, the permittee shall limit the emissions of Volatile Organic Compounds (VOCs) to no more than 95.0 tons per year (tpy) for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(10).)

3.7 For Emission Points AA-402, AA-406, AA-501, AA-503, AA-504, AA-901, AA-902, AA-903, and AA-904, the permittee shall limit the emissions of Hazardous Air Pollutants (HAPs) to no more than 9.0 tpy for any individual HAP and 24.0 tpy for all combined HAPs for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss Admin. Code Pt. 2, R. 2.2.B(10).)

3.8 Emission Points AA-801, AA-802, and AA-803 are subject to and shall comply with all applicable requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart IIII.

(Ref.: 40 CFR 60.4200(a)(2)(i-ii), Subpart IIII)

3.9 Emission Points AA-801, AA-802, and AA-803 are subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ.

Emission Points AA-801 through AA-803 are located at an area source of HAPs and were constructed after June 12, 2006, and are therefore considered to be "new stationary RICE". As such, these engines shall meet the requirements of Subpart ZZZZ by complying with the applicable requirements of 40 CFR Part 60, Subpart IIII.

(Ref.: 40 CFR 63.6580; 63.6585(a) and (c); and 63.6590(a)(2)(iii) and (c)(1), Subpart ZZZZ)

3.10 For Emission Points AA-801, AA-802, and AA-803, the permittee shall install non-resettable hour meters prior to the start-up of each affected engine.

(Ref.: 40 CFR 60.4209(a), Subpart IIII)

3.11 For Emission Points AA-801, AA-802, and AA-803, the permittee shall install, operate, and maintain the engines according to the manufacturer's emission related written instructions, may change only those emissions related settings that are permitted by the manufacturer, and the engines must be certified to meet the emissions limitations contained in Conditions 3.13, 3.15, and 3.16.

The permittee shall operate the emergency engines in accordance with (a) through (c) below so that the engines may continue to be considered "emergency engines". Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year as described in (a) through (c) below is prohibited.

(a) There is no time limit on the use of the engines in emergency situations.

(b) The engines may each be operated for a maximum of 100 hours per calendar year for maintenance checks and readiness testing, provided the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engines. The permittee may petition the MDEQ for approval of additional hours to be used for maintenance checks and readiness testing, but such a petition is not required if the permittee keeps records indicating that federal, state, or local standards require maintenance and testing of the engines for more than 100 hours per calendar year.

(c) The engines may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing contained in (b). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electrical grid or otherwise supply power as part of a financial agreement with another entity. If the source does have a financial agreement with another entity, the 50 hours of non-emergency operation may be used as long as ALL the conditions in 40 CFR 60.4211(f)(3)(i)(A through E) are met.

If the affected engines do not operate in accordance with the requirements in (1) through (3) above, then the engines will not be considered emergency engines and must meet all requirements for non-emergency engines.

(Ref.: 40 CFR 60.4211(a)(1-3), (c), and (f)(1-3), Subpart IIII)

3.12 For Emission Points AA-801, AA-802, and AA-803, the permittee shall use diesel fuel that meets the following requirements:

(a) Sulfur content
  (1) 15 ppm maximum for non-road diesel fuel

(b) Cetane index or aromatic content
  (1) A minimum cetane index of 40; or
  (2) A maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 60.4207(b), Subpart IIII)

3.13 For Emission Point AA-801, the permittee shall limit the emission rate of Non-Methane Hydrocarbon + Nitrogen Oxides (NMHC+NO_X) to no more than 4.0 grams per kilowatt-hour (g/kW-hr), the emission rate of Carbon Monoxide (CO) to no more than 3.5 g/kW-hr, and the emission rate of PM to no more than 0.20 g/kW-hr.

(Ref.: 40 CFR 60.4205(b) and 60.4202(a)(2), Subpart IIII)

3.14 For Emission Point AA-801, the permittee shall limit the opacity of the exhaust from both engines to no more than 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes.

(Ref.: 40 CFR 60.4205(b) and 60.4202(a)(2), Subpart IIII)

3.15 For Emission Point AA-802, the permittee shall limit the emission rate of Non-Methane Hydrocarbon + Nitrogen Oxides (NMHC+NO_X) to no more than 7.8 grams per horsepower-hour (g/HP-hr), the emission rate of Carbon Monoxide (CO) to no more than 2.6 g/HP-hr, and the emission rate of PM to no more than 0.40 g/HP-hr.

(Ref.: 40 CFR 60.4205(c) and Table 4 to Subpart IIII)

3.16 For Emission Point AA-803, the permittee shall limit the emission rate of Non-Methane Hydrocarbon + Nitrogen Oxides (NMHC+NO_X) to no more than 7.5 grams per kilowatt-hour (g/kW-hr), the emission rate of Carbon Monoxide (CO) to no more than 6.6 g/kW-hr, and the emission rate of PM to no more than 0.40 g/kW-hr.

(Ref.: 40 CFR 60.4205(b), 60.4202(a)(1)(ii), and Table 2 to Subpart IIII)

3.17 For Emission Point AA-803, the permittee shall limit the opacity of the exhaust from both engines to no more than 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes.

(Ref.: 40 CFR 60.4205(b) and 60.4202(a)(1)(ii), Subpart IIII)

SECTION 4
WORK PRACTICES

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Limitation / Standard
AA-101a AA-501	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).	4.1	PM/PM_{10} (*filterable only*)	Operate emissions control devices according to manufacturer's recommendations and perform routine maintenance

4.1 For Emission Points AA-101a and AA-501, the permittee shall operate all accompanying emissions control devices according to the respective manufacturer's recommended specifications. Furthermore, the permittee shall perform routine maintenance on these devices according to the respective manufacturer's recommendation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

SECTION 5
MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Monitoring / Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
AA-101a AA-501	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	PM / PM_{10} (*filterable only*)	Perform weekly visible emissions observations
AA-402 AA-406 AA-501 AA-502 AA-503 AA-504 AA-901 AA-902 AA-903 AA-904	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.3	VOC HAPs	· Keep monthly records of VOC/HAP containing material usage · Keep monthly records of the number of engines tested · Keep records of the VOC/HAP content of all materials used · Calculate monthly and 12-month rolling VOC and HAP emissions
AA-801 AA-802 AA-803	40 CFR 60.4214(b), Subpart IIII	5.4	Exhaust Emissions	Record the number of hours of operation for each affected engine

5.1 The permittee shall retain all required records, monitoring data, supporting 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.9.)

5.2 For Emission Points AA-101a and AA-501, in order to demonstrate that the emissions control devices are operating effectively, the permittee shall perform weekly visible emissions observations for at least six minutes for each emission point. These weekly observations shall be completed in accordance with EPA Method 22 or an equivalent test method approved by the MDEQ prior to the required observation. In the event that visible emissions are observed, the permittee shall immediately determine if the control device is operating properly and perform any repairs or maintenance required in order to restore the control device to normal operation. Upon completing any corrective action, a second visible emissions observation shall be conducted. Furthermore, the permittee shall maintain a log detailing the following items:

(a) The emission point, date, and time of the visible emissions observations and name of the person conducting the observation;

(b) The duration of any visible emissions noted;

(c) If visible emissions were noted, the actions taken in order to return the equipment to proper operating conditions.

A copy of this log shall be kept on-site and shall be made readily available upon request.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

5.3 For Emission Points AA-402, AA-406, AA-501, AA-502, AA-503, AA-504, AA-901, AA-902, AA-903, and AA-904, in order to demonstrate compliance with Conditions 3.6 and 3.7, the permittee shall keep records of the total gallons of each VOC/HAP containing material used on a monthly basis and the number of engines tested during each month. Furthermore, the permittee shall keep records of the following information for each VOC/HAP containing material used:

(a) The identification of each VOC/HAP containing material used;

(b) The VOC/HAP content of each material, including a description of the method used to determine the VOC/HAP contents; and

(c) The density of each VOC/HAP material used.

These records shall be used to calculate the monthly VOC/HAP emissions in tons and the 12-month rolling total VOC/HAP emissions in tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

5.4 For Emission Points AA-801, AA-802, and AA-803, the permittee shall keep records of the operation of each engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee shall record the time and reason that each engine is being operated.

(Ref.: 40 CFR 60.4214(b), Subpart IIII)

SECTION 6
REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1	Report permit deviations within five (5) working days.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Submit certified annual monitoring report.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
AA-801 AA-802 AA-803	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.4	Reporting of changes in the status of affected engines

6.1 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. The report shall be made within five (5) working days of the time the deviation began.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.2 Except as otherwise specified herein, the permittee shall submit a certified annual synthetic minor monitoring report postmarked no later than January 31 for the preceding calendar year. This report shall include a summary of the weekly visible emissions observations, including a summary of any observations resulting in corrective action, as specified in Condition 5.2, for the preceding year. Furthermore, the annual report shall include a summary of the 12-month rolling total VOC and HAP emissions required by Condition 5.3. All instances of deviations from permit requirements must be clearly identified in the report.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.3 Any document required by this permit to be submitted to the MDEQ shall contain a certification signed by a responsible official stating that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.4 For Emission Points AA-801, AA-802, and AA-803, if any of the affected engines begin to operate as a non-emergency engine, as defined in Condition 3.11, the permittee shall submit a new application for a modification to this operating permit within sixty (60) days of the change in operating status.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)