



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Hammett Gravel Company Inc, Kuhn Mine Number One
Coxburg Zeigler Road
Lexington, MS
Holmes County

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

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: **MAR 14 2016**

Expires: **FEB 28 2021**

Permit No. 1140-00059

Agency Interest # 53098

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Hammett Gravel Company Inc, Kuhn Mine Number One

Subject Item Inventory

Permit Number:1140-00059

Activity ID No.: PER20140003

Subject Item Inventory:

ID	Designation	Description
AI53098		Surface Mining Operations
AREA2	AA-001	Gravel Screening Operations [Including, but not limited to crushing and screening.]
EQPT1	AA-002	Tank Storage [Including, but not limited to diesel; motor oil; hydraulic oil; used oil.]
EQPT2	AB-001	Diesel-fired Engine (REf. EP-01)
EQPT3	AB-002	Diesel-fired Engine (REf. EP-03)
EQPT4	AB-003	Diesel-fired Engine (REf. EP-04)
EQPT5	AB-004	Diesel-fired Engine (REf. EP-06)
EQPT6	AB-005	Diesel-fired Engine (REf. EP-07)
EQPT7	AB-006	Diesel-fired Engine (REf. EP-08)
EQPT8	AC-001	Diesel-fired Engine (REf. EP-02)
EQPT9	AC-002	Diesel-fired Engine (REf. EP-05)

Subject Item Groups:

ID	Description	Components
GRPT1	Fuel burning equipment subject to 40 CFR Part 63, Subpart ZZZZ. [Less than or equal to 300 HP; existing; non-emergency; compression ignition.]	EQPT2 Diesel-fired Engine (REf. EP-01)
		EQPT3 Diesel-fired Engine (REf. EP-03)
		EQPT4 Diesel-fired Engine (REf. EP-04)
		EQPT5 Diesel-fired Engine (REf. EP-06)

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ID	Description	Components
GRPT1	Fuel burning equipment subject to 40 CFR Part 63, Subpart ZZZZ. [Less than or equal to 300 HP; existing; non-emergency; compression ignition.]	EQPT6 Diesel-fired Engine (Ref. EP-07)
		EQPT7 Diesel-fired Engine (Ref. EP-08)

<u>KEY</u>	
ACT = Activity	AI = Agency Interest
AREA = Area	CAFO = Concentrated Animal Feeding Operation
CONT = Control Device	EQPT = Equipment
IA = Insignificant Activity	IMPD = Impoundment
MAFO = Animal Feeding Operation	PCS = PCS
RPNT = Release Point	TRMT = Treatment
WDPT = Withdrawal Point	

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AI0000053098 Surface Mining Operations:

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 nitrogen oxide (NOx) 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 is subject to and shall comply with 40 CFR Part 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants. [40 CFR 60.670]
L-7		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). [40 CFR 63.6585(a) and (c)]

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AI0000053098 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For the entire facility, the permittee shall determine the quantity of fuel used on a monthly basis and in each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Record-Keeping Requirements:

Condition No.	Condition
R-1	For the entire facility, the permittee shall maintain sufficient records to document: (a) the quantity of fuel used on a monthly basis and in each consecutive 12-month period; and (b) nitrogen oxide emissions in tons per year for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Submittal/Action Requirements:

Condition No.	Condition
S-1	For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following: (a) the quantity of fuel used; and (b) the nitrogen oxide emission rate in tons per year based on each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
S-2	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).]

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AI0000053098 (continued):

Submittal/Action Requirements:

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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]

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AI0000053098 (continued):

Narrative Requirements:

Condition No.	Condition
T-1	<p>For each affected source, the permittee shall be aware of the following definitions for a stationary RICE and a mobile RICE (non-road engine) in accordance with 40 CFR Part 63, Subpart ZZZZ:</p> <p>(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.</p> <p>(b) In accordance with 40 CFR 1068.30, a nonroad engine means:</p> <p>(1) Except as discussed in paragraph (2) of this definition, a nonroad engine is an internal combustion engine that meets any of the following criteria:</p> <p>(i) It is (or will be) used in or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling itself and performing another function (such as garden tractors, off-highway mobile cranes and bulldozers).</p> <p>(ii) It is (or will be) used in or on a piece of equipment that is intended to be propelled while performing its function (such as lawnmowers and string trimmers).</p> <p>(iii) By itself or in or on a piece of equipment, it is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.</p> <p>(2) An internal combustion engine is not a nonroad engine if it meets any of the following criteria:</p> <p>(i) The engine is used to propel a motor vehicle, an aircraft, or equipment used solely for competition.</p> <p>(ii) The engine is regulated under 40 CFR part 60, (or otherwise regulated by a federal New Source Performance Standard promulgated under section 111 of the Clean Air Act (42 U.S.C. 7411)).</p> <p>(iii) The engine otherwise included in paragraph (1)(iii) of this definition remains or will remain at a location for more than 12 consecutive months or a shorter period of time for an engine located at a seasonal source. A location is any single site at a building, structure, facility, or installation. Any engine (or engines) that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period. An engine located at a seasonal source is an engine that remains at a seasonal source during the full annual operating period of the seasonal source. A seasonal source is a stationary source that remains in a single location on a permanent basis (i.e., at least two years) and that operates at that single location approximately three months (or more) each year. See 40 CFR 1068.31 for provisions that apply if the engine is removed from the location. [40 CFR 63.6585(a) and 1068.30]</p>
T-2	<p>General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]</p>
T-3	<p>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.]</p>

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AI0000053098 (continued):

Narrative Requirements:

Condition No.	Condition
T-4	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-5	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-6	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-7	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]
T-8	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. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]
T-9	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-10	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]

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AI0000053098 (continued):

Narrative Requirements:

Condition No.	Condition
T-11	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-12	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-13	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-14	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-15	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]
T-16	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).]
T-17	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).]

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AI0000053098 (continued):

Narrative Requirements:

Condition No.	Condition
T-18	<p>General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none">(a) routine maintenance, repair, and replacement;(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or(f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]
T-19	<p>General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]</p>
T-20	<p>General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]</p>
T-21	<p>General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]</p>

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AI0000053098 (continued):

Narrative Requirements:

Condition No.	Condition
T-22	<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-23	<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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AI0000053098 (continued):

Narrative Requirements:

Condition No.	Condition
T-24	<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-25	<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-26	<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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GRPT000000001 (AB-000) Fuel burning equipment subject to 40 CFR Part 63, Subpart ZZZZ. [Less than or equal to 300 HP; existing; non-emergency; compression ignition.]:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Beginning May 3, 2013, the permittee is subject to and shall comply with National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and General Provisions (40 CFR 63, Subparts ZZZZ and A). [40 CFR 63.6585]
L-2		<p>For a non-emergency CI stationary RICE \leq 300 HP, the permittee shall:</p> <ul style="list-style-type: none">(a) Change oil and filter every 1,000 hours of operation or annually, whichever comes first;(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. <p>During periods of startup the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which the time the non-startup emission limitations apply. [40 CFR 63.6603 (Table 2d)]</p>
L-3		<ul style="list-style-type: none">(a) The permittee shall demonstrate continuous compliance with each emission limitation and operating limitation in Tables 2a and 2b, and Table 2d that are applicable in accordance with methods specified in Table 6 of the subpart.(b) The permittee shall report each instance in which the operating limit in Table 2d of the subpart was not met. These instances are deviations from the emission and operating limitations of the subpart. These deviations must be reported according to the requirements in 40 CFR 63.6550. [40 CFR 63.6640]

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GRPT0000000001 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall operate and maintain the emergency stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e)]
M-2		The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to the subpart apply. [40 CFR 63.6625(h)]
M-3		The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart. The analysis program must 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 engine owner or operator must 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(i)]

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GRPT0000000001 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-4		<p>For compliance with emission and operating limits, the permittee shall monitor and collect data according to the following:</p> <p>(a) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee shall monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(b) The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The permittee must, however, use all the valid data collected during all other periods. [40 CFR 63.6635]</p>

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Hammett Gravel Company Inc, Kuhn Mine Number One

Facility Requirements

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GRPT000000001 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv)(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment(c) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii)(d) Records of all required maintenance performed on the air pollution control and monitoring equipment(e) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)]
R-2	<p>The permittee shall operate and maintain the emergency stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6655(d)]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>The permittee shall submit an annual compliance report covering the annual reporting period from January 1 through December 31. The first compliance report shall be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date, and each subsequent report shall be postmarked or delivered no later than January 31. [40 CFR 63.6650(a)]</p>

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Hammett Gravel Company Inc, Kuhn Mine Number One

Facility Requirements

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GRPT0000000001 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>The Compliance report shall contain the following information:</p> <ul style="list-style-type: none">(a) Company name and address.(b) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.(c) Date of report and beginning and ending dates of the reporting period.(d) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.(e) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.(f) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. [40 CFR 63.6650(c)]

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GRPT0000000001 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-3	<p>For each deviation from an emission or operating limitation occurring when using a CMS to comply with the emission and operating limitations in this subpart, the permittee shall also include the following in the compliance report:</p> <ul style="list-style-type: none">(a) The date and time that each malfunction started and stopped.(b) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.(c) The date, time, and duration that each CMS was out-of-control, including the information in §63.8(c)(8).(d) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.(e) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.(f) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.(g) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.(h) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.(i) A brief description of the stationary RICE.(j) A brief description of the CMS.(k) The date of the latest CMS certification or audit.(l) A description of any changes in CMS, processes, or controls since the last reporting period. [40 CFR 63.6650(e)]

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AREA000000002 (AA-001) Gravel Screening Operations [Including, but not limited to crushing and screening.]:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>The permittee shall meet the following limits and compliance requirements utilizing Method 9, Appendix A (40 CFR Part 60) within 60 days after achieving the maximum production rate at which the affected source will be operated, but not later than 180 days after initial startup as required by 40 CFR 60.8:</p> <p>(a) 10 percent opacity for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected source (as defined in 40 CFR 60.670 and 60.671); and</p> <p>(b) 15 percent opacity for crushers at which a capture system is not used. [40 CFR 60.672 (Table 3), 40 CFR 60.675]</p>
L-2		<p>If any transfer point on a conveyor belt or any other affected source is enclosed in a building, then each enclosed affected source shall comply with the emission limits in 40 CFR 60.672(b), or the building enclosing the affected source or sources shall comply with the following emission limits:</p> <p>(a) fugitive emissions from the building openings (except for vents as defined in 40 CFR 60.671) shall not exceed 7 percent opacity; and</p> <p>(b) vents (as defined in 40 CFR 60.671) in the building shall meet the applicable stack emission limits and compliance requirements in Table 2 of this subpart. [40 CFR 60.672(e)]</p>

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AREA0000000002 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee of an affected source that uses wet suppression to control emissions from the affected source shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken (in the logbook required under 40 CFR 60.676(b)).</p> <p>(a) If an affected source relies on water carryover from upstream water sprays to control fugitive emissions, then that affected source is exempt from the 5-year repeat testing requirement specified in Table 3 of this subpart provided that the affected source meets the following criteria:</p> <p>(1) the permittee conducts periodic inspections (according to 40 CFR 60.676(b)) of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected source; and</p> <p>(2) the permittee designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under 40 CFR 60.675.</p> <p>(b) If an affected source that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under 40 CFR 60.676(b) shall specify the control mechanism being used instead of the water sprays. [40 CFR 60.674]</p>

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Hammett Gravel Company Inc, Kuhn Mine Number One

Facility Requirements

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AREA0000000002 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee of any affected source shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672(b) and (e), including reports of opacity observations made using Method 9 (Appendix A, 40 CFR Part 60) to demonstrate compliance. [40 CFR 60.676(f)]
S-2	The permittee of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11. [40 CFR 60.676(g)]

GENERAL INFORMATION

Hammett Gravel Company Inc, Kuhn Mine Number One
Coxburg Zeiglerville Road
Lexington, MS
Holmes County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
53098	Hammett Gravel Company, Inc., Kuhn Mine Number One	Official Site Name	4/21/2010	
A1760	Hammett Gravel Company, Inc, Kuhn #1 Mine	Geology-Mining-Application	4/21/2010	8/2/2010
MSR321999	Hammett Gravel Company, Inc., Kuhn Mine Number One	GP-Mining	6/1/2010	11/28/2012
P10020	Hammett Gravel Company, Kuhn #1 Mine	Geology-Mining-Permit	8/2/2010	3/4/2014
MSR321999	Hammett Gravel Company, Inc., Kuhn Mine Number One	GP-Mining	11/28/2012	8/31/2017
A1760A	Hammett Gravel Company, Kuhn #1 Mine	Geology-Mining-Application	12/30/2013	
P10020A	Hammett Gravel Company Inc, Kuhn Mine Number One	Geology-Mining-Permit	3/4/2014	2/28/2019
A1760AA	Hammett Gravel Company, Inc, Kuhn Mine Number One	Geology-Mining-Application	10/22/2014	
114000059	Hammett Gravel Company Inc, Kuhn Mine Number One	Air-Title V Fee Customer	6/11/2014	
P10-020AA	Hammett Gravel Company, Inc, Kuhn Mine Number One	Geology-Mining-Permit	8/2/2010	7/31/2019
P10020	Hammett Gravel Company, Inc, Kuhn Mine #1	Geology-Mining-Permit	8/2/2010	7/31/2020
114000059	Hammett Gravel Company Inc, Kuhn Mine Number One	Air-Synthetic Minor Operating	3/14/2016	2/28/2021

Basin: Yazoo River Basin

Location Description: