



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Green Brothers Gravel Company Inc, Bradley Mine Number Six, Plant 15
997 East Marion School Road
Columbia, MS
Marion 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: NOV 27 2012

Expires: OCT 31 2017

Permit No. 1740-00053

Agency Interest # 36668

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Green Brothers Gravel Company Inc, Bradley Mine Number Six, Plant 15

Subject Item Inventory

Permit Number:1740-00053

Activity ID No.: PER20100001

Subject Item Inventory:

ID	Designation	Description
AI36668		
AREA3	AA-001	Wash Water Pump (125-hp diesel)
AREA4	AA-002	Wash Plant Water Pump (210-hp diesel)
AREA5	AA-003	Dredge Water Pump (250-hp diesel)
AREA6	AA-004	Dredge Water Pump (600-hp diesel)
AREA7	AA-005	Wash Plant Power Supply Engine (450-hp diesel)
AREA8	AA-006	Wash Plant Water Pump (120-hp diesel)
AREA9	AA-007	Water Pump (170-hp diesel)
AREA10	AA-008	Gravel Screens (2)
AREA11	AA-009	Aboveground Diesel Tanks (12) (250-900 gal)
AREA12	AA-010	Aboveground Diesel Fuel Storage Tank (7500 gal)
IA1	AA-011	Small misc above ground containers (l.t. 100 gals)

Subject Item Groups:

ID	Description	Components
GRPT1	Facility wide Emissions	AREA10 Gravel Screens (2)
		AREA11 Aboveground Diesel Tanks (12) (250-900 gal)
		AREA12 Aboveground Diesel Fuel Storage Tank (7500 gal)
		AREA3 Wash Water Pump (125-hp diesel)
		AREA4 Wash Plant Water Pump (210-hp diesel)
		AREA5 Dredge Water Pump (250-hp diesel)
		AREA6 Dredge Water Pump (600-hp diesel)
		AREA7 Wash Plant Power Supply Engine (450-hp diesel)
		AREA8 Wash Plant Water Pump (120-hp diesel)

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ID	Description	Components
GRPT1	Facility wide Emissions	AREA9 Water Pump (170-hp diesel) IA 1 Small misc above ground containers (l.t. 100 gals)
GRPT2	40 CFR 63 subpart ZZZZ(hp < 300)	AREA3 Wash Water Pump (125-hp diesel) AREA4 Wash Plant Water Pump (210-hp diesel) AREA5 Dredge Water Pump (250-hp diesel) AREA8 Wash Plant Water Pump (120-hp diesel) AREA9 Water Pump (170-hp diesel)
GRPT3	40 CFR 63 subpart ZZZZ(300<hp<500)	AREA7 Wash Plant Power Supply Engine (450-hp diesel)
GRPT4	40 CFR 63 subpart ZZZZ(hp>500)	AREA6 Dredge Water Pump (600-hp diesel)

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

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AI0000036668:

Submittal/Action Requirements:

Condition No.	Condition
S-1	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-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. [APC-S-2 II.B(11)]

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]

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AI0000036668 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<p>General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:</p> <p>(a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and</p> <p>(b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]</p>
T-7	<p>General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:</p> <p>(a) Violation of any terms or conditions of this permit</p> <p>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or</p> <p>(c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [APC-S-2 II.C]</p>
T-8	<p>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]</p>
T-9	<p>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]</p>
T-10	<p>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]</p>
T-11	<p>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)]</p>

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AI0000036668 (continued):

Narrative Requirements:

Condition No.	Condition
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]
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]

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Narrative Requirements:

Condition No.	Condition
T-17	<p>General Condition: This permit does not authorize a modification as defined in APC-S-2, "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none">(a) routine maintenance, repair, and replacement;(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or(f) any change in ownership of the stationary source" [APC-S-2 I.D(2)]
T-18	<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. [APC-S-2 II.B(15)a]</p>
T-19	<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. [APC-S-2 IX]</p>
T-20	<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. [APC-S-2 II.B(5)]</p>

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AI0000036668 (continued):

Narrative Requirements:

Condition No.	Condition
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>
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>

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AI0000036668 (continued):

Narrative Requirements:

Condition No.	Condition
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p>
T-24	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [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>

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GRPT0000000001 Facility wide Emissions:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Nitrogen oxides	Nitrogen oxides: For the Entire Facility, the permittee shall limit emission of Nitrogen Oxides (NO _x) to no more than 89.0 tons per year (TPY) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Nitrogen oxides	Nitrogen oxides: For the Entire Facility, the permittee shall determine the NO _x emissions as determined by a 12-month consecutive basis. [APC-S-2 II.B(10)]

Record-Keeping Requirements:

Nitrogen oxides:

Condition No.	Condition
R-1	Nitrogen oxides: For the Entire Facility, the permittee shall record on a monthly basis the NO _x emissions as determined by a 12-month consecutive basis. [APC-S-2 II.B(10)]

Submittal/Action Requirements:

Nitrogen oxides:

Condition No.	Condition
S-1	Nitrogen oxides: For the Entire Facility, the permittee shall submit an annual monitoring report providing the NO _x emission rate as determined by a 12-month consecutive basis. The report is due annually by the 31st of January for the preceding calendar year. [APC-S-2 II.B(10)]

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GRPT000000002 40 CFR 63 subpart ZZZZ(hp < 300):

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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GRPT0000000002 (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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GRPT0000000002 (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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GRPT0000000002 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv)(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment(c) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii)(d) Records of all required maintenance performed on the air pollution control and monitoring equipment(e) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)]
R-2	<p>For each CEMS or CPMS, the permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) Records described in §63.10(b)(2)(vi) through (xi)(b) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3)(c) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in §63.8(f)(6)(i), if applicable. [40 CFR 63.6655(b)]
R-3	<p>The permittee shall operate and maintain the emergency stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6655(d)]</p>

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GRPT0000000002 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	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)]
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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GRPT0000000002 (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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GRPT000000003 40 CFR 63 subpart ZZZZ(300<hp<500):

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		For a non-emergency stationary CI RICE greater than 300 and less than or equal to 500 HP, the permittee shall: (a) Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O ₂ ; or (b) Reduce CO emissions by 70 percent or more. [40 CFR 63.6603(Table 2d)]
L-3		For a black start stationary CI RICE the permittee shall: (a) change oil and filter every 500 hours of operation or annually, whichever comes first, (b) inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and (c) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(Table 2d)]
L-4		For a non-emergency stationary CI RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, the permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. [40 CFR 63.6604]
L-5		(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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GRPT0000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall conduct any initial performance test or other initial compliance demonstration according to Tables 4 within 180 days after the compliance date and according to the provisions in §63.7(a)(2).</p> <p>(a) In order to reduce CO emissions the permittee shall measure the O₂ at the inlet and outlet of the control device using a portable CO and O₂ analyzer in accordance with ASTM D6522-00 (incorporated by reference, see 40 CFR 63.14). Measurements to determine O₂ must be made at the same time as the measurements for CO concentration; and</p> <p>(b) In order to reduce CO emissions the permittee shall measure the CO at the inlet and outlet of the control device using a portable CO and O₂ analyzer in accordance with ASTM D6522-00 (incorporated by reference, see 40 CFR 63.14) or Method 10 of 40 CFR Appendix A. The CO concentration must be at 15 percent O₂ dry basis. [40 CFR 63.6612(a)]</p>
M-2		<p>The permittee is not required to conduct an initial performance test on a unit for which a performance test has been previously conducted, but the test must meet all of the conditions described by the following:</p> <p>(a) The test must have been conducted using the same methods specified in this subpart, and these methods must have been followed correctly.</p> <p>(b) The test must not be older than 2 years.</p> <p>(c) The test must be reviewed and accepted by the Administrator.</p> <p>(d) Either no process or equipment changes must have been made since the test was performed, or the permittee must be able to demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process or equipment changes. [40 CFR 63.6612(b)]</p>
M-3		<p>The permittee shall conduct three separate test runs for each performance test required by 40 CFR 63.6620, as specified in 40 CFR 63.7(e)(3). Each test run must last at least one hour. [40 CFR 63.6620(d)]</p>

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GRPT0000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-4		For compliance with the percent reduction requirement, the permittee shall comply with the requirements listed in 40 CFR 63.6620(e) and (f). [40 CFR 63.6620(e)]
M-5		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-6		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-7		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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GRPT0000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-8		<p>If operating an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, the permittee shall comply with either paragraph (a) or paragraph (b) of this requirement. The permittee shall follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements.</p> <p>(a) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or</p> <p>(b) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals. [40 CFR 63.6625(g)]</p>
M-9		<p>(a) The permittee shall demonstrate initial compliance with all applicable emission and operating limitation.</p> <p>(b) During the initial performance test, the permittee shall establish operating limitation in Table 2b.</p> <p>(c) The permittee shall submit the Notification of Compliance Status containing the results of the initial compliance demonstration in accordance with the requirements in 40 CFR 63.6645. [40 CFR 63.6630]</p>
M-10		<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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GRPT0000000003 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv)(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment(c) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii)(d) Records of all required maintenance performed on the air pollution control and monitoring equipment(e) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)]
R-2	<p>For each CEMS or CPMS, the permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) Records described in §63.10(b)(2)(vi) through (xi)(b) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3)(c) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in §63.8(f)(6)(i), if applicable. [40 CFR 63.6655(b)]
R-3	<p>The permittee shall operate and maintain the emergency stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6655(d)]</p>

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GRPT0000000003 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall submit all of the notifications in 40 CFR 63.7(b) and(c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h), if applicable, by the dates specified. [40 CFR 63.6645(a)]
S-2	The permittee shall submit a Notification of intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). [40 CFR 63.6645(g)]
S-3	The permittee shall submit a Notification of Compliance Status in accordance with 40 CFR 63.9(h)(2)(ii). [40 CFR 63.6645(h)]
S-4	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)]
S-5	The Compliance report shall contain the following information: <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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GRPT0000000003 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-6	<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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GRPT0000000004 40 CFR 63 subpart ZZZZ(hp>500):

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		For a non-emergency stationary CI RICE greater than 500 HP, the permittee shall: (a) Limit concentration of CO in the stationary RICE exhaust to 23 ppmvd at 15 percent O ₂ ; or (b) Reduce CO emissions by 70 percent or more. [40 CFR 63.6603(Table 2d)]
L-3		For a black start stationary CI RICE the permittee shall: (a) change oil and filter every 500 hours of operation or annually, whichever comes first, (b) inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and (c) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(Table 2d)]
L-4		For compliance with CO emissions reduction using an oxidation catalyst, the permittee shall: (a) maintain catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst that was measured during the initial performance test; and (b) maintain the temperature of the RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450 degrees F and less than or equal to 1350 degrees F. [40 CFR 63.6603(Table 2b)]

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GRPT0000000004 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-5		For a non-emergency stationary CI RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, the permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. [40 CFR 63.6604]
L-6		<p>(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.</p> <p>(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]</p>

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall conduct any initial performance test or other initial compliance demonstration according to Tables 4 within 180 days after the compliance date and according to the provisions in §63.7(a)(2).</p> <p>(a) In order to reduce CO emissions the permittee shall measure the O2 at the inlet and outlet of the control device using a portable CO and O2 analyzer in accordance with ASTM D6522-00 (incorporated by reference, see 40 CFR 63.14). Measurements to determine O2 must be made at the same time as the measurements for CO concentration; and</p> <p>(b) In order to reduce CO emissions the permittee shall measure the CO at the inlet and outlet of the control device using a portable CO and O2 analyzer in accordance with ASTM D6522-00 (incorporated by reference, see 40 CFR 63.14) or Method 10 of 40 CFR Appendix A. The CO concentration must be at 15 percent O2 dry basis. [40 CFR 63.6612(a)]</p>

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GRPT0000000004 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>The permittee is not required to conduct an initial performance test on a unit for which a performance test has been previously conducted, but the test must meet all of the conditions described by the following:</p> <ul style="list-style-type: none">(a) The test must have been conducted using the same methods specified in this subpart, and these methods must have been followed correctly.(b) The test must not be older than 2 years.(c) The test must be reviewed and accepted by the Administrator.(d) Either no process or equipment changes must have been made since the test was performed, or the permittee must be able to demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process or equipment changes. [40 CFR 63.6612(b)]
M-3		<p>The permittee shall conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first. [40 CFR 63.6615]</p>
M-4		<p>The permittee shall conduct three separate test runs for each performance test required by 40 CFR 63.6620, as specified in 40 CFR 63.7(e)(3). Each test run must last at least one hour. [40 CFR 63.6620(d)]</p>
M-5		<p>For compliance with the percent reduction requirement, the permittee shall comply with the requirements listed in 40 CFR 63.6620(e) and (f). [40 CFR 63.6620(e)]</p>

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GRPT0000000004 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-6		<p>If operating an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, the permittee shall comply with either paragraph (a) or paragraph (b) of this requirement. The permittee shall follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements.</p> <p>(a) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or</p> <p>(b) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals. [40 CFR 63.6625(g)]</p>
M-7		<p>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)]</p>
M-8		<p>(a) The permittee shall demonstrate initial compliance with all applicable emission and operating limitation.</p> <p>(b) During the initial performance test, the permittee shall establish operating limitation in Table 2b.</p> <p>(c) The permittee shall submit the Notification of Compliance Status containing the results of the initial compliance demonstration in accordance with the requirements in 40 CFR 63.6645. [40 CFR 63.6630]</p>

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GRPT0000000004 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-9		<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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GRPT0000000004 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv)(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment(c) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii)(d) Records of all required maintenance performed on the air pollution control and monitoring equipment(e) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)]
R-2	<p>For each CEMS or CPMS, the permittee shall keep the following records:</p> <ul style="list-style-type: none">(a) Records described in §63.10(b)(2)(vi) through (xi)(b) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3)(c) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in §63.8(f)(6)(i), if applicable. [40 CFR 63.6655(b)]
R-3	<p>The permittee shall operate and maintain the emergency stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6655(d)]</p>

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GRPT0000000004 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall submit all of the notifications in 40 CFR 63.7(b) and(c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h), if applicable, by the dates specified. [40 CFR 63.6645(a)]
S-2	The permittee shall submit a Notification of intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). [40 CFR 63.6645(g)]
S-3	The permittee shall submit a Notification of Compliance Status in accordance with 40 CFR 63.9(h)(2)(ii). [40 CFR 63.6645(h)]
S-4	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)]
S-5	<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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GRPT0000000004 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-6	<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)]

GENERAL INFORMATION

Green Brothers Gravel Company Inc, Bradley Mine Number Six, Plant 15
997 East Marion School Road
Columbia, MS
Marion County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
36668	Green Brothers Gravel Company, Inc.	Official Site Name	1/22/2008	
A1672	Green Brothers Gravel Company, Inc., Bradley Mine Number Six	Geology-Mining-Application	1/22/2008	4/9/2008
MSR321746	Green Brothers Gravel Company Inc, Bradley Mine Number Six	GP-Mining	4/1/2008	9/30/2012
P08010	Green Brothers Gravel Company Inc, Bradley Mine Number Six	Geology-Mining-Permit	4/9/2008	3/31/2013
A1672A	Green Brothers Gravel Company Inc, Bradley Mine #6	Geology-Mining-Application	10/27/2009	1/12/2010
A1672AA	Green Brothers Gravel Company Inc, Bradley Mine #6	Geology-Mining-Application	6/22/2011	8/8/2011
P08010A	Green Brothers Gravel Company Inc, Bradley Mine Number Six, Plant 15	Geology-Mining-Permit	1/12/2010	8/8/2011
P08010AA	Green Brothers Gravel Company Inc, Bradley Mine Number Six, Plant 15	Geology-Mining-Permit	8/8/2011	7/31/2016
174000053	Green Brothers Gravel Company Inc, Bradley Mine Number Six, Plant 15	Air-Synthetic Minor Operating	11/27/2012	10/31/2017

Basin: Pearl River Basin

Location Description: