

STATE OF MISSOURI

PERMIT BOOK



DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: **012013-007**

Project Number: 2012-11-032
Installation ID: PORT-0687

Parent Company: Lafarge North America, Inc.

Parent Company Address: 8700 West Bryn Mawr Avenue, Suite 300, Chicago, IL 60631

Installation Name: Lafarge North America - PORT-0687

Installation Address: 2000 South River Rd, St. Charles, MO 63303

Location Information: St. Charles County, S7 T46N R4E & 5E

Application for Authority to Construct was made for:
Portable screen plant. This review was conducted in accordance with Section (6),
Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

Standard Conditions (on reverse) are applicable to this permit.

Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

JAN 18 2013

EFFECTIVE DATE

Handwritten signature of Kyla L. Moore in black ink.

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Department's Air Pollution Control Program of the anticipated date of startup of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual startup of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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Permit No.	
Project No.	2012-11-032

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

1. Equipment Identification Requirement

Lafarge North America - PORT-0687 shall maintain easily read permanent markings on each component of the plant. These markings shall be the equipment's serial number or a company assigned identification number that uniquely identifies the individual component. These identification numbers must be submitted to the Air Pollution Control Program no later than 15 days after start-up of the portable rock crushing plant.

2. Relocation of Portable Rock Crushing Plant

A. Lafarge North America - PORT-0687 shall not be operated at any location longer than 24 consecutive months except if the Site Specific Special Conditions of this portable plant, PORT-0687, contain a non-road engine requirement limiting the portable plant at the site specific location to 12 consecutive months.

B. A complete "Portable Source Relocation Request" application must be submitted to the Air Pollution Control Program prior to any relocation of this portable rock crushing plant.

1) If the portable rock crushing plant is moving to a site previously permitted, and if the circumstances at the site have not changed, then the application must be received by the Air Pollution Control Program at least seven days prior to the relocation.

2) If the portable rock crushing plant is moving to a new site, or if circumstances at the site have changed (e.g. the site was only permitted for solitary operation and now another plant is located at the site), then the application must be received by the Air Pollution Control Program at least 21 days prior to the relocation. The application must include written notification of any concurrently operating plants.

3. Record Keeping Requirement

Lafarge North America - PORT-0687 shall maintain all records required by this permit for not less than five years and shall make them available to any Missouri Department of Natural Resources' personnel upon request.

4. Reporting Requirement

Lafarge North America - PORT-0687 shall report to the Air Pollution Control Program Enforcement Section P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedances of the limitations imposed by this permit.

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Project No.	2012-11-032

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

PORT ID Number: PORT-0687

Site ID Number: 183-0008

Site Name: Lafarge North America - St. Charles Quarry

Site Address: 2000 South River Rd St. Charles, MO 63303

Site County: St. Charles S7 T46N R4E & 5E

1. Best Management Practices Requirement
Lafarge North America - PORT-0687 shall control fugitive emissions from all of the haul roads and vehicular activity areas at this site by performing Best Management Practices as defined in Attachment AA.
2. Annual Emission Limit
 - A. Lafarge North America - PORT-0687 shall emit less than 10.0 tons of PM_{2.5} in any 12-month period from the entire installation.
 - B. Lafarge North America - PORT-0687 shall demonstrate compliance with Special Condition 2.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.
3. Ambient Air Impact Limitation
 - A. Lafarge North America - PORT-0687 shall not cause an exceedance of the National Ambient Air Quality Standard (NAAQS) for particulate matter less than ten microns in aerodynamic diameter (PM₁₀) of 150.0 µg/m³ 24-hour average in ambient air.
 - B. Lafarge North America - PORT-0687 shall demonstrate compliance with Special Condition 3.A using Attachment B or other equivalent forms that have been approved by the Air Pollution Control Program, including an electronic forms. Lafarge North America - PORT-0687 shall account for the impacts from other sources of PM₁₀ as instructed in the attachments.
 - C. Lafarge North America - PORT-0687 is exempt from the requirements of Special Condition 3.B when no other plants or other plants that are not owned by Lafarge North America, Inc. are operating at this site.

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SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

4. Moisture Content Testing Requirement

- A. Lafarge North America - PORT-0687 shall verify that the moisture content of the processed rock is greater than or equal to 1.5 percent by weight.
- B. Testing shall be conducted according to the method prescribed by the American Society for Testing Materials (ASTM) D-2216, C-566 or another method approved by the Director.
- C. The initial test shall be conducted no later than 45 days after the start of operation. A second test shall be performed the calendar year following the initial test during the months of July or August.
- D. The test samples shall be taken from rock that has been processed by the plant or from each source of aggregate (e.g. quarry).
- E. The written analytical report shall include the raw data and moisture content of each sample, the test date and the original signature of the individual performing the test. The report shall be filed on-site or at the Lafarge North America - PORT-0687 main office within 30 days of completion of the required test.
- F. If the moisture content of either of the two tests is less than the moisture content in Special Condition 4.A, another test may be performed within 15 days of the noncompliant test. If the results of that test also exceed the limit, Lafarge North America - PORT-0687 shall either:
 - 1) Apply for a new permit to account for the revised information, or
 - 2) Submit a plan for the installation of wet spray devices to the Compliance/Enforcement Section of the Air Pollution Control Program within ten days of the second noncompliant test. The wet spray devices shall be installed and operational within 40 days of the second noncompliant test.
- G. In lieu of testing, Lafarge North America - PORT-0687 may obtain test results that demonstrate compliance with the moisture content in Special Condition 4.A from the supplier of the aggregate.

5. Minimum Distance to Property Boundary Requirement

The primary emission point shall be located at least 650 feet from the nearest property boundary.

6. Primary Equipment Requirement

Lafarge North America - PORT-0687 shall process all rock through the screen (EU-2). Bypassing the screen is prohibited.

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SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

7. **Non-road Engine Requirement**
PORT-0687 cannot operate at this site longer than 12 consecutive months in order for the diesel engine to meet the definition of a non-road engine as stated in 40 CFR 89.2(1)(i).
8. **Record Keeping Requirement**
Lafarge North America - PORT-0687 shall maintain all records required by this permit for not less than five years and make them available to any Missouri Department of Natural Resources personnel upon request.
9. **Reporting Requirement**
Lafarge North America - PORT-0687 shall report to the Air Pollution Control Program Enforcement Section P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedances of the limitations imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW

Project Number: 2012-11-032

Installation ID Number: PORT-0687

Permit Number:

Lafarge North America - PORT-0687
2000 South River Rd
St. Charles, MO 63303

Complete: November 13, 2012

Parent Company:
Lafarge North America, Inc.
8700 West Bryn Mawr Avenue, Suite 300
Chicago, IL 60631

St. Charles County, S7 T46N R4E & 5E

PROJECT DESCRIPTION

Lafarge North America - St. Charles Quarry is a limestone quarry that produces aggregates in St. Charles, Missouri. The existing rock crushing plant is adding a portable screening plant. The new portable plant (PORT-0687) is a 2011 Powerscreen Gabion Stone Conveyor with Powergrid rated at 600 tons per hour. A 70 hp diesel engine and two discharge conveyors belts accompany the screen and grizzly feeder. The portable screening plant will be located near existing storage piles that were created by the stationary crusher already permitted at this site. The only haul road that will be added is the road connecting the portable plant to the gate and used for sales hauling of the screened material.

The current permit (Permit # 082005-020) for the stationary rock crusher located at this site already requires the facility to test for inherent moisture content of the rock to show it is greater than 1.5% by weight. Because of this, the inherent moisture of the rock going through the screening plant will also have a moisture content great than 1.5% by weight and controlled emission factors were used in the permit calculations. Also in this permit (Permit # 082005-020), the existing haul roads are required to be maintained by best management practices. Likewise, the applicant is using one of the methods described in Attachment AA, "Best Management Practices," to control emissions from haul roads and vehicular activity areas for this portable plant.

The plant will be powered by 70 horsepower diesel engine. It meets the definition of non-road engine as defined in 40 CFR 89.2 (1)(i). Therefore, the emissions of the engine were not included. Although a portable plant is allowed to operate at a site for 24 consecutive months, this screening plant is only allowed to operate at this site (183-008) for 12 consecutive months since the diesel engine is classified as a non-road engine.

Table 1: List of Emission Points

Unit Identification	Description
EP1	Loading from Pile
EP2	Powerscreen
EP3	Conveyor
EP4	Grizzly Hopper
EP5	Conveyor
EP6	Haul Road
EP7a	Loading into Storage Pile
EP7b	Wind Erosion
EP7c	Vehicular Activity
EP7d	Load Out

This installation is located in St. Charles County, a nonattainment area for the 8-hour ozone standard and the PM_{2.5} standard and an attainment area for all other criteria pollutants.

This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.

This is a new portable plant, therefore no permits have been issued from the Air Pollution Control Program.

TABLES

The table below summarizes the emissions of this project. The potential emissions of the process equipment, which excluded emissions from haul roads and wind erosion, are site specific should not vary from site to site. Since this is a new portable plant, there are no existing actual emissions. The potential emissions of the application represent the emissions of all equipment and activities assuming continuous operation (8760 hours per year). The conditioned potential emissions include emissions from sources that will limit their production to ensure compliance with the annual emission limit.

Table 2: Emissions Summary (tons per year)

Air Pollutant	De Minimis Level/SMAL	Potential Emissions of Process Equipment (tons/yr)	Existing Actual Emissions (2012 EIQ)	^a Potential Emissions of the Application	Conditioned Potential Emissions
PM	25.0	6.69	N/A	157.58	73.16
PM ₁₀	15.0	2.27	N/A	58.12	25.13
PM _{2.5}	10.0	0.24	N/A	21.54	<10.0
SO _x	40.0	N/A	N/A	N/A	N/A
NO _x	40.0	N/A	N/A	N/A	N/A
VOC	40.0	N/A	N/A	N/A	N/A
CO	100.0	N/A	N/A	N/A	N/A
Total HAPs	25.0	N/A	N/A	N/A	N/A

N/A = Not Applicable; N/D = Not Determined

^aIncludes site specific haul road and storage pile emissions

Table 3: Ambient Air Quality Impact Analysis

Pollutant	^a NAAQS/RAL (µg/m ³)	Averaging Time	^b Maximum Modeled Impact (µg/m ³)	Limited Impact (µg/m ³)	Background (µg/m ³)	Daily Limit (tons/day)
^c PM ₁₀ (same)	150.0	24-hour	25.32	N/A	20.0	14,400

^aNational Ambient Air Quality Standards (NAAQS) and Risk Assessment Level (RAL)

^bModeled impact at maximum capacity with controls

^cSame owner operation only

EMISSIONS CALCULATIONS

Emissions for the project were calculated using emission factors found in the United States Environmental Protection Agency (EPA) document AP-42 *Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources*, Fifth Edition (AP-42).

Emissions from the screening equipment were calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004. The controlled emission factors were used because the inherent moisture content of the crushed rock is greater than 1.5 percent (%) by weight.

Emissions from haul roads and vehicular activity areas were calculated using the predictive equation from AP-42 Section 13.2.2 "Unpaved Roads," November 2006. A 90% control efficiency for PM and PM₁₀ and a 40% control efficiency for PM_{2.5} are applied to the emission calculations for the use of BMPs. Emissions from load-in and load-out of storage piles were calculated using the predictive equation from AP-42 Section 13.2.4. The moisture content of the aggregate is 1.5% by weight. Emissions from wind erosion of storage piles were calculated using an equation found in the Air Pollution Control Program's Emissions Inventory Questionnaire Form 2.8 "Storage Pile Worksheet."

The engine emissions were not evaluated for this review as the diesel engine at this site is classified as a non-road engine. 40 CFR 63 Subpart ZZZZ, "National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines" and 40 CFR 60 Subpart IIII, "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" does not apply. However, if the self-contained plant were to remain in one location for longer than 12 consecutive months, it would not be in compliance with this permit because engine emissions were not evaluated. It may also not be in compliance with MACT ZZZZ. NSPS IIII does not apply unless the engine is modified or reconstructed and the self-contained plant is in one location for longer than 12 consecutive months.

AMBIENT AIR QUALITY IMPACT ANALYSIS

An ambient air quality impact analysis (AAQIA) was performed to determine the impact of the pollutants listed in Table 3. The Air Pollution Control Program requires an AAQIA of PM₁₀ for all asphalt, concrete and rock-crushing plants regardless of the level of PM₁₀ emissions if a permit is required. An AAQIA is required for other pollutants if their emissions exceed their respective de minimis or screening model action level (SMAL). The AAQIA was performed using the Air Pollution Control Program's generic nomographs and when appropriate the EPA modeling software SCREEN3. For each pollutant that was modeled, the maximum concentration that occurs at or beyond the site boundary was compared to the National Ambient Air Quality Standard (NAAQS) or Risk Assessment Level (RAL) for the pollutant. If during continuous operation the modeled concentration of a pollutant is greater than the applicable NAAQS or RAL, the plant's production is limited to ensure compliance with the standard. In cases where the plant is providing material for a highway project, the ambient impact is evaluated in accordance with a memorandum issued by the Air Pollution Control Program titled "Permitting Asphalt/Concrete Plants for Temporary Highway Projects," dated April 10, 2000. This memorandum states that air quality should be analyzed at the nearest residence or location where the public could reasonably expected to be found instead of all ambient air. This practice generally allows for a less restrictive daily production level while protecting the public.

This plant uses BMPs to control emissions from haul roads and vehicular activity areas, so emissions from these sources were not included in the AAQIA. Instead they were addressed as a background concentration of 20 µg/m³ of PM₁₀ in accordance with the Air Pollution Control Program's BMPs interim policy.

OPERATING SCENARIOS

The plant is permitted to operate with other plants located at the site as long as the NAAQS is not exceeded. The following scenarios explain how Lafarge North America - St. Charles Quarry, Inc. shall demonstrate compliance with the NAAQS:

- When no other plants are operating at this site, Lafarge North America - PORT-0687 does not have to calculate the daily impact of PORT-0687.

- When plants that are owned by Lafarge North America - St. Charles Quarry, Inc. which are referred to as same owner plants, are located at the site, Lafarge North America - St. Charles Quarry, Inc. must calculate the daily impact of each plant and limit the total impact of all plants below the NAAQS using Attachment B.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of PM_{2.5} are conditioned below de minimis levels. Potential emissions of PM and PM₁₀ are above de minimis levels but below major source levels.

APPLICABLE REQUIREMENTS

Lafarge North America - PORT-0687 shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved.

GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110.
- No Operating Permit is required for this installation.
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

- None of the National Emission Standards for Hazardous Air Pollutants (NESHAPS) or National Emission Standards for Hazardous Air Pollutants for Source Categories (MACTS) apply to the proposed equipment.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Kathy Kolb
New Source Review Unit

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated November 11, 2012, received November 13, 2012, designating Lafarge North America, Inc. as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.

Attachment A: PM_{2.5} Annual Emissions Tracking Sheet
Lafarge North America - PORT-0687
Project Number: 2012-11-032
Permit Number:

Site Name: Lafarge North America - St. Charles Quarry
 Site Address: 2000 South River Rd, St. Charles, MO 63303
 Site County: St. Charles County

This sheet covers the period from _____ to _____ (Copy as needed)
 (Month, Day Year) (Month, Day Year)

Month	Production (tons)	Emission Factor (lb/ton)	Monthly Emissions ¹ (lbs)	Monthly Emissions ² (tons)	12-Month Total Emissions ³ (tons)
<i>Example</i>	200,000	0.0082	1640	0.82	<i>11 previous months + 0.82</i>
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¹Multiply the monthly production by the emission factor.

²Divide the monthly emissions (lbs) by 2000.

³Add the monthly emissions (tons) to the sum of the monthly emissions from the previous eleven months. A total of less than 10.0 of PM_{2.5} is necessary for compliance.

Attachment B: Ambient Impact Tracking Sheet
 For Same Owner Operations
 Lafarge North America - PORT-0687
 Project Number: 2012-11-032
 Permit Number:

Site Name: Lafarge North America - St. Charles Quarry
 Site Address: 2000 South River Rd, St. Charles, MO 63303
 Site County: St. Charles County

This sheet covers the period from _____ to _____ (Copy as needed)
 (Month, Day Year) (Month, Day Year)

Date	Lafarge North America - PORT-0687			Same Owner Plant Plant Name: Crusher Plant ID:183-0008 Permit #:082005-020	Same Owner Plant Plant Name: Plant ID: Permit #:	Same Owner Plant Plant Name: Plant ID: Permit #:	Back- ground ($\mu\text{g}/\text{m}^3$)	Total Impact ³ ($\mu\text{g}/\text{m}^3$)
	Daily Production (tons)	Impact Factor ($\mu\text{g}/\text{m}^3/\text{ton}$)	Impact ¹ ($\mu\text{g}/\text{m}^3$)	Impact ² ($\mu\text{g}/\text{m}^3$)	Impact ² ($\mu\text{g}/\text{m}^3$)	Impact ² ($\mu\text{g}/\text{m}^3$)		
<i>Example</i>	9,000	0.0018	16.2	<i>i.e. 100.0</i>	<i>N/A</i>	<i>N/A</i>	20.0	136.2
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¹Calculate the impact for PORT-0687 by multiplying the daily production by the impact factor.
²Input the impact for any plants owned by Lafarge North America, Inc. that are operating on the site.
³Calculate the total impact by adding the applicable impacts and background. A total of 150 $\mu\text{g}/\text{m}^3$ or less is necessary for compliance.

Attachment AA: Best Management Practices

Haul roads and vehicular activity areas shall be maintained in accordance with at least one of the following options when the portable plant is operating.

1. Pavement
 - A. The operator shall pave the area with materials such as asphalt, concrete or other materials approved by the Air Pollution Control Program. The pavement will be applied in accordance with industry standards to achieve control of fugitive emissions¹ while the plant is operating.
 - B. Maintenance and repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall periodically wash or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Application of Chemical Dust Suppressants
 - A. The operator shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to unpaved areas.
 - B. The quantities of the chemical dust suppressant shall be applied and maintained in accordance with the manufacturer's recommendation (if available) and in sufficient quantities to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator shall keep these records with the plant for not less than five (5) years and make these records available to Department of Natural Resources personnel upon request.

3. Application of Water-Documented Daily
 - A. The operator shall apply water to unpaved areas. Water shall be applied at a rate of 100 gallons per day per 1,000 square feet of unpaved or untreated surface area while the plant is operating.
 - B. Precipitation may be substituted for watering if the precipitation is greater than one quarter of one inch and is sufficient to control fugitive emissions.
 - C. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads.
 - D. The operator shall record the date, volume of water application and total surface area of active haul roads or the amount of precipitation that day. The operators shall also record the rationale for not watering (e.g. freezing conditions or not operating).
 - E. The operator shall keep these records with the plant for not less than five (5) years, and the operator shall make these records available to Department of Natural Resources personnel upon request.

¹For purposes of this document, Control of Fugitive Emissions means to control particulate matter that is not collected by a capture system and visible emissions to the extent necessary to prevent violations of the air pollution law or regulation. (Note: control of visible emission is not the only factor to consider in protection of ambient air quality.)

Mr. Bruce Champion
Plant Manager
Lafarge North America - PORT-0687
14580 Missouri Bottom Rd.
Bridgeton, MO 63044

RE: New Source Review Permit - Project Number: 2012-11-032

Dear Mr. Champion:

Enclosed with this letter is your permit to construct. Please study it carefully. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you have any questions regarding this permit, please do not hesitate to contact Kathy Kolb, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Susan Heckenkamp
New Source Review Unit Chief

SH:kkk

Enclosures

c: St. Louis Regional Office
PAMS File: 2012-11-032

Permit Number: