February 19, 2014

Jeffrey Thornburg

Environmental Manager

LAFARGE Mid-Atlantic LLC

300 East Joppa Road, Suite 200

Towson, VA 21286

**Re: Permit (#6659-R1) to Operate a Portable Concrete Batch Plant at 880 New Jersey Avenue, SE, Washington, D.C.**

Dear Mr. Thornburg:

Pursuant to sections 200.1 and 200.2 of Title 20 of the District of Columbia Municipal Regulations (20 DCMR), a permit from the Department shall be obtained before any person can construct or operate a stationary source in the District of Columbia. The LAFARGE Mid-Atlantic LLC (“the Permittee”) application for a permit to operate a portable concrete batch plant at 880 New Jersey Avenue, SE has been received. Permission to operate a portable concrete batch plant with associated 2.8 MMBTU/hr No. 2 fuel oil fired hot water heater per the submitted application dated December 31, 2013, is granted subject to the following conditions:

I. General Requirements:

a. The approved portable batch concrete plant and associated hot water heater shall be operated in accordance with all applicable air pollution control requirements of 20 DCMR.

b. This permit expires on August 18, 2014 [20 DCMR 200.4]. If continued operation after this date is desired, the owner or operator shall submit an application for renewal at least 90 days prior to expiration of this permit.

c. Operation of equipment under the authority of this permit shall be considered acceptance of its terms and conditions.

d. The permittee shall allow authorized officials of the District, upon presentation of identification, to:

1. Enter upon the permittee’s premises where a source or emission unit is located,an emissions related activity is conducted, or where records required by this permit are kept;

 2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of this permit;

3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and

 4. Sample or monitor, at reasonable times, any substance or parameter for the purpose of assuring compliance with this permit or any applicable requirement.

e. This permit shall be kept on the premises and produced upon request.

f. Failure to comply with the provisions of this permit may be grounds for suspension or revocation. [20 DCMR 202.2]

II. Emission Limitations:

1. Emissions of dust shall be minimized in accordance with the requirements of 20 DCMR 605 and the “Operational Limitations” of this permit.
2. The emission of fugitive dust from any material handling, screening, crushing, grinding, conveying, mixing, or other industrial-type operation or process is prohibited. [20 DCMR 605.2]

c. The discharge of particulate matter into the atmosphere from any process shall not exceed three hundredths (0.03) grains per dry standard cubic foot of the exhaust. [20 DCMR 603.1]

d. Visible emissions shall not be emitted from these unit except that discharges not exceeding 40% opacity (unaveraged) shall be permitted for two (2) minutes in any sixty (60) minutes period and for an aggregate of twelve (12) minutes in any twenty-four (24) hours period during start-up, cleaning, adjustment of combustion controls, or malfunction of the equipment. (20 DCMR 606.1)

e. An emission into the atmosphere of odorous or other air pollutants from any source in any quantity and of any characteristic, and duration which is, or is likely to be injurious to the public health or welfare, or which interferes with the reasonable enjoyment of life or property is prohibited. [20 DCMR 903.1]

III. Operational Limitations:

a. The portable batch concrete plant shall be operated for no more than one shift [8 hours] per day, five days per week for the duration of this permit.

b. All dust generated must be captured and vented through the dust collector, fabric filter baghouse.

c. The fabric filter (baghouse) shall maintain 99.9% efficiency when the portable batch concrete plant is operating.

d. The proper operation of the dust collector, fabric filter baghouse shall be demonstrated when the differential pressure across the bags maintained between 3 and 6 inches of water. Magnehelic pressure gauge shall be used to monitor the pressure drop.

e. Per the baghouse manufacturer’s recommendation, a set of replacement parts for the dust collectors shall be kept on site at all times.

f. The permittee shall take reasonable precautions to minimize the emission of any fugitive dust into the outdoor atmosphere. These reasonable precautions shall include, but not be limited to the following [20 DCMR 605.1]:

* + - 1. In the case of unpaved roads, unpaved roadways, and unpaved parking lots:

i. Use of clean water in sufficient quantities and at sufficient frequencies to prevent the visible emission of dust due to the movement of vehicles or of the wind (use of binders or other chemicals may only be used with prior approval of the Department); and

ii. Prompt clean-up of any dirt, earth, or other material from the vicinity of the road, roadway, or lot which has been transported from the road, roadway, or lot due to anthropogenic activity or due to natural forces.

* + - 1. In the case of paved roads, paved roadways, and paved parking lots: Maintenance of the road, roadway, lot, or paved shoulder in a reasonably clean condition through reasonably frequent use of water, sweepers, brooms, or other means through reasonably frequent removal of accumulated dirt from curbside gutters, through reasonably prompt repair of pavement, or through any other means;
			2. In the case of vehicles transporting dusty material or material which is likely to become dusty:

i. Fully covering the material in question, with a tarpaulin or other material; and

ii. Operation, maintenance, and loading of the vehicle, distribution of the loaded material on or in the vehicle, and limiting the quantity of material loaded on or in the vehicle, so that there will be no spillage of the material onto the roads;

* + - 1. In the case of vehicles which accumulate dirt on the wheels, undercarriages, and other parts of the vehicle, due to the movement of the vehicle on dusty, dirty or muddy surfaces: Water washing of all of the dirty parts of the vehicle to thoroughly remove the dirt before or immediately after the vehicle leaves the dusty, dirty, or muddy surface.

g. The portable batch concrete plant shall be operated and maintained in accordance with the recommendations of the equipment manufacturers.

h. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the concrete mix in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [20 DCMR 606.3]

IV. Monitoring and Testing Requirements:

a. The permittee shall monitor the operating hours of the concrete mix plant each day to ensure compliance with Condition III(a).

b. The Permittee shall monitor the differential pressure across the baghouse filters to ensure compliance with Condition III(d).

c. At least once per week, during operation of the unit, the Permittee shall conduct visual observations of the emissions from the unit. If visible emissions of fugitive dust or smoke are observed in excess of the limits specified in Conditions II(b), II(c) or II(d), prompt action shall be taken to correct the problem. Operations shall not continue if such exceedances are observable, until such time as the problem has been addressed and the equipment has been returned to compliance.

d. Permittee shall monitor any odor emitted from the facility and take any actions necessary to ensure compliance with Condition II(e).

e. The permittee shall monitor the conditions at the site and take any actions necessary to ensure compliance with the fugitive dust requirements of Condition III(f).

V. Record Keeping Requirements:

 The following information shall be recorded, and maintained in a log at the facility and made available when requested for a period of not less than three years. [20 DCMR 500.8]

a. The permittee shall record in a log the differential pressure reading of the magnehelic pressure gauge at least once each day, during operation of the equipment to ensure compliance with the operational requirements of Conditions III(b), (c), and (d) of this permit.

b. The permittee shall keep a record of the hours of operation of the ready mix concrete batch plant at the site each day. This shall be kept by keeping a log, updated daily, of each start and stop time of the unit with a sum of the total hours of operation that day.

c. The permittee shall keep a record of all deviations from the pressure drop requirements of Condition III(d) and the actions taken to correct each identified deviation.

d. The permittee shall maintain a record of all maintenance performed on the unit to document compliance with Condition III(g).

e. The permittee shall maintain a copy of the concrete mix plant and the fabric filter baghouse manufacturers’ maintenance and operating recommendations and make such available to Department inspectors.

f. The permittee shall maintain a copy of the specifications for the bags used in the baghouse to document compliance with Condition III(c).

g. The permittee shall keep a record of the results of all visible emissions monitoring performed pursuant to Condition III(c).

h. Permittee shall keep records of all odors identified pursuant to Condition IV(d) and the actions taken to correct them.

i. The permittee shall keep records of any fugitive dust exceedances identified pursuant to Condition IV(e) and the actions taken to correct them.

If you have any questions, please call me at (202) 535-1747 or Abraham T. Hagos at (202) 535-1354.

Sincerely,

Stephen S. Ours, P.E.

Chief, Permitting Branch

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