

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8276-APMNYQ

Issue Date: November 22, 2017

Lafarge Canada Inc.
6509 Airport Road
Mississauga, Ontario
L4V 1S7

Site Location: 555 Tenth Line
Collingwood Town, County of Simcoe
L9Y 0W1

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

One (1) ready-mix concrete batching plant having a maximum production rate of 500 cubic metres per day, and consisting of the following:

- One (1) baghouse dust collector controlling emissions from a 70 tonne capacity storage silo designated as Silo #1, equipped with 10.6 square metres of polyester filter material and a reverse pulse-jet type cleaning system, discharging to the air at a volumetric flow rate of 0.5 cubic metre per second through a vent having an exit diameter of 0.13 metre, extending 13.1 metres above grade;
- One (1) baghouse dust collector controlling emissions from a 55 tonne capacity storage silo designated as Silo #2, equipped with 10.6 square metres of polyester filter material and a reverse pulse-jet type cleaning system, discharging to the air at a volumetric flow rate of 0.5 cubic metre per second through a vent having an exit diameter of 0.13 metre, extending 22.6 metres above grade;
- One (1) baghouse dust collector controlling emissions from the transfer of cementitious material to the cement weigh scale, equipped with 10.6 square metres of polyester filter material and a reverse pulse-jet type cleaning system, discharging to the air at a volumetric flow rate of 0.5 cubic metre per second through a vent having an exit diameter of 0.13 metre, extending 12.6 metres above grade;
- One (1) No. 2 fuel oil fired hot water boiler having a maximum heat input of 2.2 million kilojoules per hour, discharging to the air at a volumetric flow rate of 0.41 cubic metre per second through a stack having an exit diameter of 0.3 metre, extending 7.3 metres above the roof and 11 metres above grade;

- Fugitive dust emissions resulting from the delivery, storage, and transfer of materials associated with ready-mix concrete batching operations, including controls and enclosures as described in the *ESDM Report* and *Best Management Practices Plan*.

All in accordance with the Environmental Compliance Approval application signed by Doug England, dated July 23, 2013, and submitted by the Company, the Emission Summary and Dispersion Modelling Report prepared by Adam Draper of BCX Environmental Consulting, dated July 2013, and submitted in support of the application, the supporting information submitted via e-mail by Susanne Pyda of BCX Environmental Consulting on July 20, 2017; the Acoustic Assessment Report prepared by HGC Engineering, dated November 17, 2017 and signed by Corey Kinart, P.Eng.; and all other supporting information and documentation submitted in support of the application.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "*Acoustic Assessment Report*" means the report, prepared in accordance with *Publication NPC-233* submitted in support of the application, that documents all sources of noise emissions and *Noise Control Measures* present at the *Facility*. "*Acoustic Assessment Report*" also means the Acoustic Assessment Report prepared by HGC Engineering, dated November 17, 2017 and signed by Corey Kinart, P.Eng.;
2. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "*Best Management Practices Plan*" means a document or a set of documents which describe measures to minimize dust emissions from the *Facility* and/or *Equipment*;
4. "*Building Code Act, 1992*" means the Building Code Act, S.O. 1992, c.23, as amended and any replacement or successor legislation;
5. "*Company*" means Lafarge Canada Inc., that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
6. "*Director*" means a person appointed for the purpose of section 20.3 of the *EPA* by the *Minister* pursuant to section 5 of the *EPA*;
7. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
8. "*ESDM Report*" means the Emission Summary and Dispersion Modelling Report

prepared by Adam Draper of BCX Environmental Consulting, dated July 2013, and submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;

9. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
10. "*Equipment*" means the equipment and processes described in the *Company's* application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
11. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
12. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
13. "*Minister*" means the Minister of the Environment and Climate Change or such other member of the Executive Council as may be assigned the administration of the *EPA* under the Executive Council Act;
14. "*Ministry*" means the ministry of the government of Ontario responsible for the *EPA* and includes all officials, employees or other persons acting on its behalf;
15. "*Noise Control Measures*" means measures to reduce the noise emission from the *Facility* including, but not limited to silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures outlined in the *Acoustic Assessment Report*;
16. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;
17. "*Publication NPC-300*" means the *Ministry* Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August, 2013, as amended;
18. "*RMC Plant Batch Building*" means the building containing the aggregate bins and aggregate weigh scale; and
19. "*Truck(s)*" means ready-mix truck(s), sand truck(s), or cementitious material tanker truck(s).

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. OPERATION AND MAINTENANCE

1. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
 - a. prepare, not later than three (3) months after the date of this *Approval*, and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Equipment* suppliers;
 - ii. emergency procedures; including spill clean-up procedures;
 - iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
 - iv. the frequency of inspection and replacement of the filter material in the *Equipment*; and
 - v. all appropriate measures to minimize noise and odorous emissions from all potential sources;
 - b. implement the recommendations of the *Manual*.
2. The *Company* shall ensure that all doors of the *RMC Plant Batch Building* remain fully closed when the *Facility* is in operation, except when being used for personnel ingress and egress.

2. FUGITIVE DUST CONTROL

1. The *Company* shall develop in consultation with the *District Manager*, a *Best Management Practices Plan* for the control of fugitive dust emissions. This *Best Management Practices Plan* shall include, but not be limited to:
 - a. identification of the main sources of fugitive dust emissions such as:
 - i. on-site traffic;
 - ii. paved roads/areas;
 - iii. unpaved roads/areas;
 - iv. material stock piles;
 - v. loading/unloading areas and loading/unloading techniques;
 - vi. material spills;
 - vii. material conveyance systems;
 - viii. exposed openings in process and storage buildings; and
 - ix. general work areas.

- b. potential causes for high dust emissions and opacity resulting from these sources;
 - c. procedures for assessing the moisture level of aggregate material, and application of liquid dust suppressant to dry aggregate material;
 - d. preventative and control measures in place or under development to minimize the likelihood of high dust emissions and opacity from the sources of fugitive dust emissions identified above. Details of the preventative and control measures shall include:
 - i. a description of the control equipment to be installed;
 - ii. a description of the preventative procedures to be implemented; and/or
 - iii. the frequency of occurrence of periodic preventative activities, including material application rates, as applicable.
 - e. an implementation schedule for the *Best Management Practices Plan*, including training of facility personnel;
 - f. inspection and maintenance procedures and monitoring initiatives to ensure effective implementation of the preventative and control measures; and
 - g. a list of all *Ministry* comments received, if any, on the development of the *Best Management Practices Plan*, and a description of how each *Ministry* comment was addressed in the *Best Management Practices Plan*.
2. The *Company* shall submit the *Best Management Practices Plan* to the *District Manager* not later than six months after the date of this *Approval*.
- a. The *District Manager* may not accept the *Best Management Practices Plan* if the minimum requirements described in Condition 2.1 were not included in the *Best Management Practices Plan*.
 - b. If the *Best Management Practices Plan* is not accepted by the *District Manager*, the *Company* shall submit a *Best Management Practices Plan* acceptable to the *District Manager* not later than nine months after the date of this *Approval*;
3. Upon acceptance of the *Best Management Practices Plan* by the *District Manager*, the *Company* shall immediately implement the *Best Management Practices Plan* for the control of fugitive dust emissions to provide effective dust suppression measures to any potential sources of fugitive dust emissions resulting from the operation of the *Facility*.

4. The *Best Management Practices Plan* shall be updated as necessary or at the direction of the *District Manager*.

3. RECORD RETENTION

1. The *Company* shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this *Approval*, and make these records available for review by staff of the *Ministry* upon request. The *Company* shall retain:
 - a. all records on the maintenance, repair and inspection of the *Equipment*;
 - b. all records on the environmental complaints; including:
 - i. a description, time, date and location of each incident;
 - ii. wind direction and other weather conditions at the time of the incident;
 - iii. a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future, and the outcome of the measures taken.

4. NOTIFICATION OF COMPLAINTS

1. The *Company* shall notify the *District Manager*, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
 - a. a description of the nature of the complaint;
 - b. the time, date and location of the incident.

5. NOISE

1. The *Company* shall:
 - a. implement the *Noise Control Measures* not later than twelve (12) months after the issuance of an above grade building permit under the *Building Code Act, 1992*, for a noise sensitive building on the vacant rural zoned lands west of the *Facility*;
 - b. at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*;
 - c. limit *Trucks* arrivals and departures during the day-time hours of 7 a.m. to 7 p.m., in accordance with the following:
 - i. a maximum of seven (7) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of four (4) aggregate trucks per sixty (60) minute

- period;
 - iii. a maximum of one (1) cementitious material tanker truck per sixty (60) minute period;
 - d. limit *Trucks* arrivals and departures during the evening-time hours of 7 p.m to 11 p.m., in accordance with the following:
 - i. a maximum of two (2) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of two (2) aggregate trucks per sixty (60) minute period;
 - e. limit *Trucks* arrivals and departures during the night-time hours of 11 p.m. to 7 a.m., in accordance with the following:
 - i. a maximum of two (2) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of two (2) aggregate trucks per sixty (60) minute period;
2. The *Company* shall restrict the operation of the cementitious material tanker trucks to the daytime hours from 7 a.m. to 7 p.m.

The reasons for the imposition of these terms and conditions are as follows:

1. Conditions No. 1 and 2 are included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the regulations and this *Approval*.
2. Condition No. 3 is included to require the *Company* to keep records and to provide information to staff of the *Ministry* so that compliance with the *EPA*, the regulations and this *Approval* can be verified.
3. Condition No. 4 is included to require the *Company* to notify staff of the *Ministry* so that compliance with the *EPA*, the regulations and this *Approval* can be verified.
4. Condition No. 5.1 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from operation of the *Facility*.
5. Condition No. 5.2 is included to ensure that operation of the cementitious material tanker trucks is not extended beyond the stated hours to prevent an adverse effect resulting from the operation of the *Equipment*.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, S.O. 1993, c. 28 (Environmental Bill of Rights), the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Environmental
Commissioner
1075 Bay Street, Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and Climate
Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ebr.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 22nd day of
November, 2017

Rudolf Wan, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

NR/
c: District Manager, MOECC Barrie District Office
Adam Draper, BCX Consulting