

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7373-BEEP3C

Issue Date: September 19, 2019

St. Marys Cement Inc. (Canada)
55 Industrial St
Toronto, Ontario
M4G 3W9

Site Location: 651 Commissioners Street
Toronto City,
M4M 1A5

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 ready-mix concrete production rate of 1,600 cubic metres per day, consisting of the following equipment and emission sources:

- one (1) baghouse dust collector to control dust emissions from the plant dust collection system, equipped with 56.7 square metres of cloth filter material and a reverse pulse-jet cleaning system, discharging into the air at a volumetric flow rate of 2.36 cubic metres per second, through a stack having the exit dimensions of 0.3 metre by 0.4 metre, extending 3.2 metres above grade;
- one (1) compartment cementitious material storage silo, having one (1) compartment with storage capacity of 160 tonnes, one (1) compartment with storage capacity of 100 tonnes, and three (3) compartments each with storage capacity of 80 tonnes, each compartment equipped with 16.7 square metres of polyester filter material and a reverse pulse-jet cleaning system, discharging into the air through a stack, having the exit diameter of 0.2 metre, extending 29.0 metres above grade;
- one (1) baghouse dust collector to control the emissions from a cementitious material storage silo having a storage capacity of 90 tonnes, equipped with 24.5 square metres of filtering material and a reverse pulse-jet cleaning system, discharging into the air through a stack having an equivalent exit diameter of 0.12 metre, and extending 27.1 metres above grade;
- one (1) natural gas-fired hot water boiler, having a maximum thermal input rating of 9,487,800 kilojoules per hour, discharging into the air through a stack, having an exit diameter of 0.6 metre and extending 2.4 metres above roof and 8.5 metres above grade;

- one (1) natural gas-fired unit providing heat for the aggregate bin, having a maximum thermal input rating of 3,600,000 kilojoules per hour; and
- fugitive dust emissions resulting from the delivery, storage, and transfer of materials associated with the concrete batching operations;

one (1) ready-mix concrete batching plant, having a maximum ready-mix concrete production rate of 900 cubic metres per day, consisting of the following equipment and emission sources:

- one (1) baghouse dust collector, to control emissions from the cement weigh scale; the loading point; and three (3) cementitious material storage silos, having storage capacities of 50 tonnes, 45 tonnes and 32 tonnes, respectively, complete with polyester filter material, a pulse-jet type cleaning system, and discharging into the air at a volumetric flow rate of 4.72 cubic metres per second through a vent having an exit diameter of 0.34 metre and height of 7.9 metres above grade;
- fugitive dust emissions resulting from the delivery, storage, and transfer of materials associated with the concrete batching operations;

all in accordance with the application for an Environmental Compliance Approval (Air) submitted by St. Marys Cement Inc. (Canada), dated August 29, 2018, and signed by Colin Evans; and the supporting information, including the Emission Summary and Dispersion Modelling Report prepared by BCX Environmental Consulting, dated September 5, 2018, and signed by Ailee Ho, and the revised Emission Summary and Dispersion Modelling Report prepared by BCX Environmental Consulting, dated July 9, 2019, and signed by Jaime Anderson.

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

1. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "*Best Management Practices Plan*" means the document titled "CBM Ready-Mix Fugitive Dust Control Best Management Practices Plan, CBM Portlands Ready-Mix", dated 2017 and prepared by the *Company*;
3. "*Company*" means St. Marys Cement Inc. (Canada), that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
4. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;

5. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended ;
6. "*Equipment*" means the equipment described in the *Company's* application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
7. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
8. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
9. "*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;
10. "*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.

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. all appropriate measures to minimize noise and odorous emissions from all potential sources; and
 - v. the frequency of inspection and replacement of the filter material in the *Equipment*;

b. implement the recommendations of the *Manual*.

2. 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*; and
 - b. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint relates;
 - ii. wind direction at the time of the incident to which the complaint relates; and
 - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

3. 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; and
 - b. the time and date of the incident to which the complaint relates.

4. NOISE

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.

5. FUGITIVE DUST CONTROL

1. The *Company* shall implement the *Best Management Practices Plan* for the control of fugitive dust emissions resulting from the operation of the *Facility*. The *Best Management Practices Plan* shall be updated as necessary or at the direction of the *District Manager*

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

1. Condition No. 1 is 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. 2 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. 3 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the site's compliance.
4. Condition No. 4 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
5. Condition No. 5 is 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*.
- 6.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 2903-AJ5KJZ issued on February 17, 2017

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, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks 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.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

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 Minister of the Environment, Conservation and Parks 777 Bay Street, 5th Floor Toronto, Ontario M7A 2J3	AND	The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment, Conservation and Parks 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5
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*** 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 <https://ero.ontario.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 19th day of
September, 2019

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

ML/
c: District Manager, MECP Toronto - District
Ailee Ho, BCX Environmental Consulting