

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9841-BNUR2A
Issue Date: April 29, 2020

St. Marys Cement Inc. (Canada) operating as CBM Ready Mix
55 Industrial Street
Toronto, Ontario
M4G 3W9

Site Location: 1093 Howard Road
Burlington City, Regional Municipality of Halton

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 (Main RMC Plant), having a maximum production rate of 1000 cubic metres per day, including the following equipment:
 - one (1) baghouse dust collector, to control emissions from storage Silo #1 having a storage capacity of 65 tonnes and a cement pig having a storage capacity of 140 tonnes, complete with polyester filter material having a filtering area of 16.7 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 0.43 cubic metre per second through a stack having an exit diameter of 0.2 metre, extending 17.5 metres above grade;
 - one (1) baghouse dust collector, to control emissions from storage Silo #2 having a storage capacity of 45 tonnes, complete with polyester filter material having a filtering area of 28.8 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 0.43 cubic metre per second through a stack having an exit diameter of 0.2 metre, extending 14 metres above grade;
 - one (1) baghouse dust collector, to control emissions from storage Silo #3a having a storage capacity of 69 tonnes, complete with polyester filter material having a filtering area of 16.2 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 0.43 cubic metre per second through a stack having an exit diameter of 0.2 metre, extending 25.5 metres above grade;

- o one (1) baghouse dust collector, to control emissions from storage Silo #3b having a storage capacity of 73 tonnes, complete with polyester filter material having a filtering area of 16.2 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 0.43 cubic metre per second through a stack having an exit diameter of 0.2 metre, extending 25.5 metres above grade;
 - o one (1) baghouse dust collector, to control emissions from the cement scale, complete with polyester filter material having a filtering area of 11.1 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 0.43 cubic metre per second through a stack having an exit diameter of 0.2 metre, extending 13 metres above grade;
 - o one (1) loading point dust collection system, to control emissions from the loading point, complete with polyester filter material having a filtering area of 56 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 2.36 cubic metre per second through a stack having an exit diameter of 0.4 metre, extending 10 metres above grade;
 - o one (1) natural gas fired hot water boiler, having a maximum thermal input of 8,850,000 kilojoules per hour, discharging to the air through a stack having an exit diameter of 0.45 metre, extending 9 metres above the roof and 13 metres above grade; and
 - o fugitive emissions resulting from the delivery, storage and transfer of materials associated with the ready-mix concrete batching operations;
- one (1) portable ready-mix concrete batching plant (Portable RMC Plant) operated on a permanent basis, having a maximum production rate of 375 cubic metres per day, including the following equipment:
 - o one (1) baghouse dust collector to control emissions from storage Silo #1 having a storage capacity of 44 tonnes); storage Silo #2 having a storage capacity 40 tonnes; cement weight scale and loading point, complete with polyester filter material having a filtering area of 100.6 square metres and a pulse-jet type cleaning system, discharging to the air with a maximum volumetric flow rate of 3.1 cubic metre per second through a stack having an exit dimension of 0.5 metre x 0.4 metre extending 3.7 metres above grade; and
 - o fugitive emissions resulting from the delivery, storage and transfer of materials associated with the ready-mix concrete batching operations;

all in accordance with the Environmental Compliance Approval application submitted by St. Marys Cement Inc. (Canada), dated April 30, 2019 and signed by Colin Evans, Director, Lands and Environment; the supporting Emission Summary and Dispersion Modelling report prepared by BCX Environmental Consulting, dated April 30, 2019 and signed by Jaime Anderson and Colin Evans; additional air emissions related information provided by BCX Environmental Consulting on April 22, 2020; and the *Acoustic Assessment Report* prepared by HGC Engineering, dated June 28, 2019 and signed by Swetha Kulandaivelan.

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 June 28, 2019 and signed by Swetha Kulandaivelan;
2. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "*Best Management Practices Plan*" means the measures to minimize dust emissions from the *Facility* roads, storage piles and material handling sources and includes the document titled "Best Management Practices Plan for the Control of Fugitive Dust Emissions, CBM Burlington Plant, 1093 Howard Road, Burlington, January 2017", as amended;
4. "*Company*" means St. Marys Cement Inc. (Canada) operating as CBM Ready Mix, that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
5. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
6. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
7. "*Equipment*" means the ready-mix concrete batching 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*;
8. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
9. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
10. "*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;
11. "*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*;
12. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995 as amended;
13. "*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.

14. "*Technical Bulletin: Management Approaches for Industrial Fugitive Dust Sources*" means the *Ministry* publication "Technical Bulletin: management approaches for industrial fugitive dust sources", March 8, 2017, as amended; and
15. "*Truck(s)*" means ready-mix truck(s), aggregate truck(s), sand trucks or cement powder 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. all appropriate measures to minimize noise 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. The *Company* shall ensure that the RMC Plant building/Aggregate Storage building at the Main RMC Plant is fully enclosed and is not vented through a general ventilation system. All building doors shall be kept closed at all times, except when being used for entrance and exit of personnel and/or movement of equipment.

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*;
 - b. all records related to the preventative and control measures implemented as required by the section titled "Fugitive Dust Control" of this *Approval*;
 - c. all records related to environmental complaints made by the public as required by Condition 3 of this *Approval*.
 - d. 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;
 - iii. the name(s) of *Company* personnel responsible for handling the incident;
 - iv. the cause of the incident; and
 - v. 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;
 - b. the time and date of the incident to which the complaint relates;
 - c. the wind direction and other weather conditions at the time of the incident; and
 - d. the name(s) of *Company* personnel responsible for handling the incident.

4. FUGITIVE DUST CONTROL

1. The *Company* shall:

- a. update the *Best Management Practices Plan* within six (6) months from the issuance of the this *Approval*, to include measures to minimize fugitive dust emissions from the Portable RMC Plant. The update shall be carried out consistent with the *Ministry* document "*Technical Bulletin: Management Approaches for Industrial Fugitive Dust Sources*"
 - b. review and evaluate on an annual basis, the *Best Management Practices Plan*.
 - c. record the results of each annual review and update as required the *Best Management Practices Plan* within two (2) months of the completion of the annual review;
 - d. maintain the updated *Best Management Practices Plan* at the *Facility*;
 - e. implement, at all times, the most recent version of the *Best Management Practices Plan*.
2. The *Company* shall record, either electronically or in a log book, each time a specific preventative and control measure described in the *Best Management Practices Plan* is implemented. The *Company* shall record, as a minimum:
 - a. the date when each emission control measure is implemented, including a description of the control measure;
 - b. the date when each new preventative measure or operating procedure to minimize emissions is implemented, including a description of the preventative measure or operating procedure; and
 - c. the date, time of commencement, and time of completion of each periodic activity conducted to minimize emissions, including a description of the preventative measure/procedure and the name of the individual performing the periodic activity.

5. NOISE

1. The *Company* shall:
 - a. implement not later than six (6) months from the date of this *Approval*, the *Noise Control Measures* as outlined in the *Acoustic Assessment Report*;
 - b. following the implementation of the *Noise Control Measures*, comply with the limits set out in *Publication NPC-300*;
 - c. properly maintain the *Noise Control Measures* ensuring that they continue to meet the acoustical performance outlined in the *Acoustic Assessment Report*;
 - d. limit *Trucks* arrivals and departures during the daytime hours of 7 a.m. to 7 p.m. for the Main RMC Plant, in accordance with the following:
 - i. a maximum of fourteen (14) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of eight (8) aggregate or sand trucks per sixty (60) minute period;

- iii. a maximum of two (2) cementitious material tanker trucks per sixty (60) minute period;
- e. limit *Trucks* arrivals and departures during the evening-time hours of 7 p.m. to 11 p.m. for the Main RMC Plant, in accordance with the following:
 - i. a maximum of fourteen (14) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of eight (8) aggregate or sand trucks per sixty (60) minute period;
 - iii. a maximum of two (2) cementitious material tanker trucks per sixty (60) minute period;
- f. limit *Trucks* arrivals and departures during the night-time hours of 11 p.m. to 7 a.m. for the Main RMC Plant, in accordance with the following:
 - i. a maximum of four (4) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of eight (8) aggregate or sand trucks per sixty (60) minute period;
 - iii. a maximum of one (1) cementitious material tanker trucks per sixty (60) minute period.
- g. limit *Trucks* arrivals and departures during the daytime hours of 7 a.m. to 7 p.m. for the Portable RMC Plant, in accordance with the following:
 - i. a maximum of eleven (11) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of five (5) aggregate or sand trucks per sixty (60) minute period;
 - iii. a maximum of one (1) cementitious material tanker truck per sixty (60) minute period;
- h. limit *Trucks* arrivals and departures during the evening-time hours of 7 p.m. to 11 p.m. for the Portable RMC Plant, in accordance with the following:
 - i. a maximum of eleven (11) ready-mix trucks per sixty (60) minute period;
 - ii. a maximum of five (5) aggregate or sand trucks per sixty (60) minute period;
 - iii. a maximum of one (1) cementitious material tanker truck per sixty (60) minute period;
and
- i. limit *Trucks* arrivals and departures during the night-time hours of 7 p.m. to 7 a.m. for the Portable RMC Plant, in accordance with the following:
 - i. a maximum of six (6) ready-mix trucks per sixty (60) minute period; and

- ii. a maximum of five (5) aggregate or sand trucks per sixty (60) minute period;
2. The *Company* shall:
 - a. restrict the operation of the cement powder tanker trucks serving the Portable RMC Plant to the hours from 7 a.m. to 11 p.m.; and
 - b. ensure that the Main RMC Plant and the Portable RMC Plant do not operate simultaneously during the night-time hours from 11 p.m. to 7 a.m.

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

1. Conditions No. 1 and 4.1 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. Conditions No. 2 and 4.2 are 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. 5.1 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. 5.2 is included to ensure that operation of the *Equipment* is not extended beyond the stated hours to prevent an adverse effect resulting from the operation of the *Equipment*.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 5639-ABLKT issued on October 24, 2016.

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

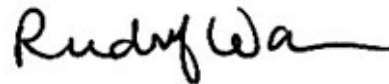
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 29th day of April, 2020



Rudolf Wan, P.Eng.

Director

appointed for the purposes of Part II.1 of the
Environmental Protection Act

SA/

c: District Manager, MECP Halton-Peel District Office
Jaime Anderson, BCX Environmental Consulting