

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 6532-BRSL7D

Issue Date: July 27, 2020

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

**Site Location:** 55 Industrial Street  
Toronto City  
M4G 3W9

*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 1200 cubic metres per day, and consisting of the following:

- One (1) dual compartment cementitious material storage silo, having one compartment with storage capacity 100 tonnes, and one compartment with storage capacity 30 tonnes, each compartment served by a shaker baghouse dust collector having a polyester filtering area of 15.5 square metres, discharging passively to the atmosphere at a maximum volumetric flow rate of 0.33 cubic metres per second through a stack having an exit diameter of 0.25 metre and extending 24.5 metres above grade;
- One (1) dual compartment cementitious material storage silo, each compartment having storage capacity 100 tonnes, each compartment served by a shaker baghouse dust collector having a polyester filtering area of 15.5 square metres, discharging passively to the atmosphere at a maximum volumetric flow rate of 0.33 cubic metres per second through a stack having an exit diameter of 0.25 metre and extending 32.0 metres above grade;
- One (1) cementitious material storage silo having a storage capacity of 60 tonnes, served by a shaker baghouse dust collector having a polyester filtering area of 10.7 square metres, discharging passively to the atmosphere at a maximum volumetric flow rate of 0.33 cubic metres per second through a stack having an exit diameter of 0.25 metre and extending 23.0 metres above grade;
- One (1) cementitious material storage silo having a storage capacity of 25 tonnes, served by a shaker baghouse dust collector having a polyester filtering area of 10.5 square metres, discharging passively to the atmosphere at a maximum volumetric flow rate of 0.33 cubic metres per second through a stack having an exit diameter of 0.25 metre and extending 11 metres above grade;

- One (1) cementitious material storage silo having a storage capacity of 90 tonnes, served by a reverse pulse-jet baghouse dust collector having a filtering material area of 24.5 square metres, discharging passively to the atmosphere at a maximum volumetric flow rate of 0.33 cubic metres per second through a stack having an equivalent exit diameter of 0.12 metre and extending 22.1 metres above grade;
- One (1) truck loadout point served by a pulse-jet baghouse dust collector having a polyester filtering area of 57.5 square metres, discharging to the atmosphere at a maximum volumetric flow rate of 3.7 actual cubic metres per second through a stack having an exit diameter of 0.25 metre, extending 5.0 metres above grade;
- One (1) diesel-fired stand-by generator set having a rating of 720 kilowatts, discharging to the atmosphere through a stack having an exit diameter of 0.3 metre, extending 2.4 metres above the unit and 4.3 metres above grade;
- One (1) natural gas-fired boiler having a maximum thermal input rating of 4,414,275 kilojoules per hour, discharging to the atmosphere through a vent having an exit diameter of 0.3 metre and extending 5 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*.

One (1) ready-mix concrete batching plant having a maximum production rate of 840 cubic metres per day, and consisting of the following:

- One (1) loading point dust collector serving the loading point and cementitious material silos, having a polyester filtering area of 100.6 square metres, discharging to the air at a maximum volumetric flow rate of 3.07 cubic metres per second through a stack having an exit diameter of 0.5 metre and extending 9 metres above grade;
- One (1) No. 2 fuel oil-fired steam boiler having a maximum rated thermal input of 4,325,729 kilojoules per hour, discharging to the air through a vent having an exit diameter of 0.3 metre and extending 4.3 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 Colin Evans, dated July 11, 2019, and submitted by the *Company*, the Emission Summary and Dispersion Modelling Report prepared by Jaime Anderson of BCX

Environmental Consulting, dated July 2019, and submitted in support of the application, the Acoustic Assessment Report prepared by HGC Engineering, dated February 27, 2018 and signed by Swetha Kulandaivelan, the letter prepared by Corey Kinart of HGC Engineering, dated July 23, 2019, and submitted in support of the application; 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. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "*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*;
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. "*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*;
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 processes and 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. "*ESDM Report*" means the Emission Summary and Dispersion Modelling Report prepared by Jaime Anderson of BCX Environmental Consulting, dated July 2019, 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. "*Facility*" means the entire ready-mix concrete batching operation located on the property where the *Equipment* is located;
10. "*Generator Set*" means the emergency diesel generator set 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. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
12. "*Minister*" means the Minister of the Environment, Conservation and Parks or such

other member of the Executive Council as may be assigned the administration of the *EPA* under the Executive Council Act;

13. "*Ministry*" means the ministry of the *Minister*;
14. "*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;
15. "*RMC Plant Batch Buildings*" means the two buildings containing elevated aggregate bins, aggregate weigh scales, and loading point collecting hoppers; and
16. "*Truck(s)*" means ready-mix truck(s), aggregate 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 each *RMC Plant Batch Building* remain fully closed when material handling operations are occurring within

them, except when doors are 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:
  - a. at minimum, be prepared in accordance with *Ministry Technical Bulletin: Management Approaches for Industrial Fugitive Dust Sources*; and
  - b. include 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 three months after the date of this *Approval* or as otherwise indicated by the *District Manager*.
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 *Company* shall update the *Best Management Practices Plan* 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. at all times, ensure that the noise emissions from the *Facility* comply with the limits set in *Ministry Publications NPC-300*;
  - b. 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 nine (9) ready-mix trucks per sixty (60) minute period for the eastern ready-mix plant;
    - ii. a maximum of sixteen (16) ready-mix trucks per sixty (60) minute period for the western ready-mix plant;
    - iii. a maximum of eight (8) aggregate trucks per sixty (60) minute period;
    - iv. a maximum of two (2) cementitious material tanker trucks per sixty (60) minute period for the eastern ready-mix plant;
    - v. a maximum of three (3) cementitious material tanker trucks per sixty (60) minute period for the western ready-mix plant;
  - c. 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 nine (9) ready-mix trucks per sixty (60) minute period for the eastern ready-mix plant;
    - ii. a maximum of sixteen (16) ready-mix trucks per sixty (60) minute period for the western ready-mix plant;
    - iii. a maximum of eight (8) aggregate trucks per sixty (60) minute period;
    - iv. a maximum of two (2) cementitious material tanker trucks per sixty (60) minute period for the eastern ready-mix plant;
    - v. a maximum of three (3) cementitious material tanker trucks per sixty (60) minute period for the western ready-mix plant; and
  - d. 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 nine (9) ready-mix trucks per sixty (60) minute period for the eastern ready-mix plant;
  - ii. a maximum of sixteen (16) ready-mix trucks per sixty (60) minute period for the western ready-mix plant;
  - iii. a maximum of eight (8) aggregate trucks per sixty (60) minute period;
  - iv. a maximum of two (2) cementitious material tanker trucks per sixty (60) minute period for the eastern ready-mix plant; and
  - v. a maximum of two (2) cementitious material tanker trucks per sixty (60) minute period for the western ready-mix plant.
2. The *Company* shall ensure that the eastern ready-mix plant and the western ready-mix plant do not operate simultaneously during the night-time hours from 11 p.m. to 7 a.m.
  3. The *Company* shall restrict the periodic testing of the *Generator Set* 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 simultaneous operations of the eastern ready-mix plant and the western ready-mix plant are not extended beyond the stated hours to prevent an adverse effect resulting from the operation of the *Equipment*.
6. Condition No. 5.3 is included to ensure that the *Generator Set* operation, excluding emergency situations, is not extended beyond the specified 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). 2208-B2ELYZ issued on July 24, 2018.**

*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*		The Minister of the Environment,		The Director appointed for the purposes of
Environmental Review Tribunal		Conservation and Parks		Part II.1 of the Environmental Protection Act
655 Bay Street, Suite 1500	AND	777 Bay Street, 5th Floor	AND	Ministry of the Environment, Conservation
Toronto, Ontario		Toronto, Ontario		and Parks
M5G 1E5		M7A 2J3		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](http://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 27th day of July, 2020

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

NR/

c: District Manager, MECP Toronto - District  
Jaime Anderson, BCX Environmental Consulting