

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0789-BBAS23

Issue Date: April 25, 2019

Miller Paving Limited
505 Miller Ave
Post Office Box, No. 1480
Markham, Ontario
L6G 1B2

Site Location: 2050 20th Street East
City of Owen Sound, County of Grey

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 operating at a maximum production rate in accordance with Schedule A of this *Approval* and consisting of the following:

- One (1) loading point enclosed by three sides extending to the ground and a roof, equipped with a dust shroud, and served by a baghouse dust collector;
- One (1) baghouse dust collector controlling emissions from two silos and the loading point, equipped with 250 square metres of polyester filter material and a pulse-jet type cleaning system, discharging to the air at a maximum volumetric flow rate of 3.78 cubic metres per second through a vent having an exit diameter of 0.42 metre and extending 9.45 metres above grade;
- One (1) natural gas fired process boiler having a maximum heat input of 3,165,168 kilojoules per hour, discharging to the air through a vent having an exit diameter of 0.3 metre and extending 9.5 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) dolomite plant having a maximum throughput of 153,000 kilograms per day, and consisting of the following:

- One (1) natural gas fired rotary drier having a maximum heat input of 6,330,335 kilojoules per hour and served by a baghouse dust collector equipped with 107 square metres of filter material and a pulse-jet type cleaning system, discharging to the air at a maximum volumetric flow rate of 2.94 cubic metres per second

through a stack having an exit diameter of 0.46 metre and extending 12 metres above grade;

- One (1) baghouse dust collector serving internal operations, equipped with 107 square metres of filter material and a pulse-jet type cleaning system, discharging to the air at a maximum volumetric flow rate of 2.94 cubic metres per second through a stack having an exit diameter of 0.46 metre and extending 25.9 metres above grade;
- Fugitive dust emissions resulting from the handling, storage, and transfer of materials associated with dolomite plant 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 Bill Kasper, dated August 30, 2018, and submitted by the *Company*, the Emission Summary and Dispersion Modelling Report prepared by Chris Sabaziotis EIT of BCX Environmental Consulting, reviewed by Neil Chan P.Eng. of BCX Environmental Consulting, dated August 2018, and submitted in support of the application, the supporting information submitted via e-mail by Chris Sabaziotis on April 15, 2019, and by Neil Chan on April 16, 2019; 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 Miller Paving Limited, 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 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*;

7. "*ESDM Report*" means the Emission Summary and Dispersion Modelling Report prepared by Chris Sabaziotis, EIT of BCX Environmental Consulting, reviewed by Neil Chan P.Eng. of BCX Environmental Consulting, dated August 2018, and submitted in support of the application, and includes any changes to the report made up to the date of issuance of 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. "*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; and
11. "*Ministry*" means the ministry of the *Minister*;
12. "*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;
13. "*RMC Plant Batch Building*" means the building containing the aggregate bins, aggregate weigh scale, and loading point conveyor; and
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.

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. procedures for recording the volume of ready-mix concrete produced at the *Facility* per 24 hour period;
 - v. procedures for recording the mass of aggregate delivered to the *Facility* per 24 hour period and the mass of sand delivered to the *Facility* per 24 hour period;
 - vi. the frequency of inspection and replacement of the filter material in the *Equipment*; and
 - vii. 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 and windows of the *RMC Plant Batch Building* remain fully closed while material is being handled inside the building, except when being used for personnel ingress and egress.
 3. The *Company* shall ensure that the *Facility* is operated in accordance with one of the operating scenarios listed in Schedule A of this *Approval*;

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*;
 - b. include procedures for assessing the moisture level of sand and aggregate material, and application of liquid dust suppressant to dry sand and aggregate material;
 - c. 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 volume of ready-mix concrete produced at the *Facility* per 24 hour period;
 - c. all records on the mass of aggregate delivered to the *Facility* per 24 hour period and the mass of sand delivered to the *Facility* per 24 hour period;
 - d. 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, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.
- 2.

SCHEDULE A
Operating Scenarios

Operating Scenario	Maximum 24 hour Concrete Production (cubic metres)	Maximum 24 hour Aggregate Delivery (kilograms)	Maximum 24 hour Sand Delivery (kilograms)
Scenario A	800	678,000	444,000
Scenario B	400	904,000	592,000

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 as to assist the *Ministry* with the review of the site's compliance.
4. Condition No. 5 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.

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.

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 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 25th day of April,
2019

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

NR/
c: District Manager, MECP Owen Sound
Chris Sabaziotis, EIT, BCX Environmental Consulting