

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7589-BUML9K
Issue Date: February 3, 2021

CH Concrete Inc.
100 Citigate Drive
Ottawa, Ontario
K2J 6K7

Site Location: 633 Doran Road
Petawawa Town, County of Renfrew
K8A 6W7

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:

a ready mix concrete batching plant, having a a maximum production rate of 175 cubic metres per day, consisting of the following:

- one (1) baghouse dust collector, to control emissions from a 100 tonne, two compartment silo storing cement and cement, equipped with 30.7 square metres of filter material and a pulse jet cleaning mechanism, discharging to the air at a maximum volumetric flow rate of 0.75 cubic metre per second through a stack having an exit diameter of 0.18 metre, extending 14.9 metres above grade;
- one (1) baghouse dust collector, to control emissions from weigh hopper and mixer loading operations, equipped with 99 square metres of filter material and a pulse jet cleaning mechanism, discharging to the air at a maximum volumetric flow rate of 2.36 cubic metres per second through a stack having an exit diameter of 0.25 metre, extending 17.5 metres above grade;
- one (1) portable crushing plant, processing non-metallic aggregate materials at a maximum rate of 9600 tonnes per day, consisting of a portable crusher and conveyor, equipped with a diesel fired engine rated at 310 kilowatts, discharging products of combustion to the air at a maximum volumetric flow rate of 1.23 cubic metres per second through a stack having an exit diameter of 0.15 metre, extending 3.4 metres above grade;

- one (1) No. 2 fuel oil boiler, having a maximum heat input of 2,802,228 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 0.4 cubic metre per second, through a stack having an exit diameter of 0.3 metre, extending 7.62 metres above grade;
- one (1) portable diesel fuel heater, having a maximum heat input of 200,460 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 0.3 cubic metre per second through a stack having an exit diameter of 0.15 metre, extending 1.2 metres above grade;
- fugitive emissions resulting from the delivery, storage and transfer of materials associated with concrete batching operations;

all in accordance with the Environmental Compliance Approval Application submitted by CH Concrete Inc., dated December 17, 2019, and signed by Craig Bellinger, Environment and Land Project Manager, R.W. Tomlinson Limited; the supporting Emission Summary and Dispersion Modelling report prepared by Golder Associated Ltd. and signed by Jeffrey Zywicki and Katherine Armstrong; the supporting Acoustic Assessment Report prepared by Freefield Ltd., dated January 6, 2020, and signed by Michael Wells; and the additional information submitted by Jeffrey Zywicki, Golder Associates Ltd. via email dated November 3, 2020.

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 Freefield Ltd., dated January 6, 2021 and signed by Michael Wells;
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. "Company" means CH Concrete Inc., 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 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;
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 emissions from the Facility and/or Equipment 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; and
14. "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. all appropriate measures to minimize noise and dust 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. 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 road/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. 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;
 - d. an implementation schedule for the Best Management Practices Plan, including training of facility personnel;
 - e. inspection and maintenance procedures and monitoring initiatives to ensure effective implementation of the preventative and control measures; and
 - f. 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 (6) 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 No. 4.1 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 (9) 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. DOCUMENTATION REQUIREMENTS

1. The Company shall record, 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 installed, including a description of the control measure;
 - b. the dated 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.

4. 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 daily operation of the Equipment, including:
 - i. daily production rate;
 - ii. daily start-up and shut-down times of the Equipment;
- c. all records of any upset conditions associated with the operation of the Equipment;
- d. the log book which contains all records on the preventative and control measures implemented for each source of fugitive dust emission identified in the Best Management Practices Plan;
- e. all records on the environmental complaints, including:
 - i. a description, time, date and location of each complaint;
 - ii. operating conditions (e.g. upset conditions, etc.) at the time of the incident;
 - iii. wind direction and other weather conditions at the time of the incident;
 - iv. the name(s) of Company personnel responsible for handling the incident;
 - v. the cause of the incident;
 - vi. the Company response to the incident; and
 - vii. 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 measure taken.

5. 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;
 - 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.

6. NOISE

- 1. The Company shall:
 - a. implement the Noise Control Measures as outlined in Section 7.0 of the Acoustic Assessment Report;

- b. ensure, at all times, that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300; and
 - c. ensure that the Noise Control Measures are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report.
2. The Company shall limit Truck arrivals and departures during the hours of 7 a.m. to 7 p.m. in accordance with the following:
 - a. a maximum of eight (8) ready-mix trucks per sixty (60) minute period;
 - b. a maximum of one (1) aggregate truck per sixty (60) minute period; and
 - c. a maximum of one (1) cementitious material tanker truck per sixty (60) minute period.
3. The Company shall limit Truck arrivals and departures during the hours of 7 p.m. to 7 a.m. in accordance with the following:
 - a. a maximum of six (6) ready-mix trucks per sixty (60) minute period.
4. The Company shall restrict the operation of the portable crushing plant 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. Conditions No. 3 and 4 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. 5 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. Conditions No. 6.1, 6.2 and 6.3 are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.
5. Condition No. 6.4 is included to ensure that the operation of the mobile crushing / screening plant 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). 7388-A9NP8N issued on July 21, 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

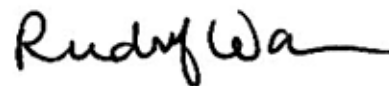
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 3rd day of February, 2021



Rudolf Wan, P.Eng.

Director

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

ES/

c: District Manager, MECP Ottawa District Office

Jeff Zywicki, Golder Associates Ltd.