

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7783-BJHSU4

Issue Date: December 13, 2019

R. W. Tomlinson Limited
100 Citigate Drive
Ottawa, Ontario
K2J 6K7

Site Location: 8125 Russell Road
Ottawa City, Ontario

*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, operating at a maximum production rate of 120 cubic metres per hour, consisting of the following equipment and emission sources:

two (2) baghouse dust collectors serving the split cement silo 1, designated as Source 1 and Source 2 respectively, each equipped with 21.8 square metres of polyester filter material and an automatic bag shaker cleaning mechanism, discharging to the air through individual stacks at a maximum volumetric flowrate of 0.36 cubic metre per second, each having an exit diameter of 0.6 metre and extending 28.08 metres above grade;

two (2) baghouse dust collectors, serving the split silo 3, designated as Source 13 and Source 14 respectively, each equipped with 19.6 square metres of polyester filter material and an automatic bag shaker cleaning mechanism. Each baghouse discharges to the air at a maximum volumetric flowrate of 0.27 cubic metre per second through an independent stack, each having an exit diameter of 0.6 metre and extending 28.08 metres above grade;

one (1) baghouse dust collector serving the concrete truck loading operations, designated as Source 8, having a maximum volumetric flowrate of 2.86 cubic metres per second, equipped with 56.7 square metres of polyester filter material and a pulse jet cleaning mechanism, discharging to the air through a stack, having an exit diameter of 0.36 metre and extending 1.8 metres above grade;

one (1) No. 2 fuel oil-fired boiler, having a maximum heat input of 3,530,000 kilojoules per hour, identified as Source 10, discharging to the air through a stack, having an exit diameter of 0.4 metre, extending 1.5 metres above the roof and 9.1 metres above grade;

one (1) maintenance welding and painting shop;

fugitive emissions resulting from the delivery, storage, and transfer of raw materials associated with concrete batching operations;

One crushing plant have a maximum production rate of 200 tonnes per hour, consisting of following equipment and emission sources:

one (1) primary crusher;

one (1) conveyor;

one (1) crusher diesel engine, having a power rate of 309.5 kW.

fugitive emissions resulting from the delivery, storage, and transfer of materials associated with the crushing operations.

all in accordance with the application for an Environmental Compliance Approval (Air & Noise) submitted by R. W. Tomlinson Limited, dated January 22, 2019, and signed by Craig Bellinger, Environmental and Land Project Manager; Emission Summary and Dispersion Modelling Report prepared by Golder Associates Ltd., dated March 12, 2019; Acoustic Assessment Report prepared by Freefield Ltd., dated January 23, 2019 and signed by Michael Wells and Hugh Williamson; and all the information associated with 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 R. W. Tomlinson Limited that is responsible for the construction or operation of the Plant and includes any successors and assigns in accordance with section 19 of the EPA;
4. "Director" means a person appointed 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 Plant 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 referred to herein, 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 provides 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. "Plant" means the ready-mix concrete batching plant described in the Company's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval;
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.

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. NOISE PERFORMANCE

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

2. 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;
- v. all appropriate measures to minimize dust and odorous emissions from all potential sources; and
- vi. procedures for recording and responding to environmental complaints relating to operation of the Facility;

b. implement the recommendations of the *Manual*.

3. FUGITIVE DUST CONTROL

1. The *Company* shall prepare, not later than three (3) months after the date of this *Approval*, and update, as necessary, 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 roads/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 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. 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 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. 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. 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*;
- c. 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. the name(s) of *Company* personnel responsible for handling the incident;
 - iv. the cause of the incident;
 - v. the *Company* response to the incident; and
 - vi. 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.

6. 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.

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

1. Condition No. 1 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
2. Conditions No. 2 and 3 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.

3. Conditions No. 4 and 5 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.
4. Condition No. 6 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.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 0210-7XQKVD issued on June 23, 2010.

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

AND

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment, Conservation
and Parks

*** 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 13th day of December,
2019

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

JL/
c: District Manager, MECP Ottawa
Emily Lau, Golder Associates Ltd.