AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5027-BYRM7B
Issue Date: April 9, 2021

Convertus Canada Ltd.
307 Commissioners Road West, No. 8
London, Ontario
N6J 1Y4

Site Location: 4675 Wellington Road South
London City, County of Middlesex
N6K 0C7

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) aerobic biodegradation, including composting, facility, receiving and processing a maximum of 1,000 tonnes per day and 150,000 tonnes per year of solid non-hazardous, domestic, institutional, commercial or industrial organic waste, encompassing the following:

- one (1) outdoor leaf and yard waste storage area, measuring 40 metres in length and 15 metres in width located west of the enclosed processing building, described below, where incoming leaf and yard waste is unloaded and screened immediately to remove odorous materials such as grass clippings from the leaf and yard waste for transfer to the enclosed building for processing. The remaining leaf and yard waste is moved into the enclosed processing building on an as-needed basis, to be shredded to be mixed with the incoming organic waste;

- one (1) enclosed processing building with the following:

    - a receiving hall, a traffic/loading hall and material receiving and preparation areas, where the incoming organic waste is unloaded and pre-processed in an electric-powered shredder to open plastic bags, mixed with "10/100" fraction from the screening process, the leaf and yard waste or, if available, and the shredded root wood material and wood chips removed from the biofilters at the site;

- twelve (12) aerated concrete tunnels, where the organic waste mixed with "10/100" fraction from the screening process, the leaf and yard waste or, if available, and the shredded root wood material and wood chips is aerobically biodegraded;

- screening area to screen the aerobically biodegraded organic waste mixed with "10/100" fraction from the screening process, the leaf and yard waste or, if available, and the shredded root wood material and wood chips;

- curing building to stockpile and cure the aerobically biodegraded organic waste mixed with "10/100" fraction from the screening process, the leaf and yard waste or, if available, and the shredded root wood material and wood chips into processed organic waste or compost;

- ventilation system to maintain a negative pressure in the processing building at all times, by drawing air from the receiving and traffic halls, screening area and pump room, and the curing building. This air will either be used as process air in the concrete tunnels before collection in an exhaust duct leading to the odour abatement equipment, or be led directly to the odour abatement equipment that consists of the following:

    - one (1) roof-mounted mix-box, receiving ventilation air either directly from the building via bypass valves between inlet and outlet duct of the composting tunnels to divert the air from the building directly to the odour abatement equipment or from the composting tunnels, to split the flow into two (2) equal streams before flowing into integrated ammonia scrubbers;

    - two (2) roof-mounted integrated scrubber housings, consisting of two sections in series:

        - one (1) packed pre-scrubber, for the removal of dust and aerosols, filled with a polypropylene medium, with water spray nozzles on the front, for pre-treatment of odour in the air, including one (1) combined water tank serving the two (2) sections of both scrubber housings;

        - one (1) packed ammonia scrubber with vertical mounted spray nozzles, using sulphuric acid as a scrubbing medium, for the removal of ammonia from the air. The air from the scrubber housings is fed into two (2) parallel-mounted tube air-water heat exchangers. The water from the clean water loop from the heat exchanger is then cooled in a crossflow two-cell cooling tower on the roof of the building and the two (2) air streams that exit the integrated scrubber housings and heat exchangers discharge into one ductwork leading to the biofilters;

    - pre-humidification system upstream of the biofilters to ensure that the air entering the biofilters is fully saturated;

- five (5) enclosed up-flow biofilters, all constructed in concrete tunnels and operating in parallel, filled with filtering medium consisting of shredded root wood materials and wood chips, equipped with a water sprinkler system at the top;

- three (3) stack fans drawing the air from the biofilters and discharge into a ground-based stack; and

- one (1) booster fan, mounted on the roof of the building, drawing ambient air into the suction sides of the three (3) stack fans before final emission through an exhaust stack extending 60 metres above grade;

all in accordance with Schedule A.

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 and proposed at the Facility. "Acoustic Assessment Report" also means the report prepared by GHD Limited, dated October 19, 2020 and signed by Michael Masschaele;

2. "Acoustic Audit" means an investigative procedure consisting of measurements and/or acoustic modelling of all sources of noise emissions due to the operation of the Facility, assessed to determine compliance with the performance limits for the Facility regarding noise emissions, completed in accordance with the procedures set in Publication NPC-103 and reported in accordance with Publication NPC-233;

3. "Acoustic Audit Report" means a report presenting the results of an Acoustic Audit, prepared in accordance with Publication NPC-233;

4. "Acoustical Consultant" means a person currently active in the field of environmental acoustics and noise/vibration control, who is familiar with Ministry noise guidelines and procedures and has a combination of formal university education, training and experience necessary to assess noise emissions from a Facility;

5. "AERMOD" means the dispersion model developed by the American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model Improvement Committee (AERMIC) including the PRIME (Plume Rise Model Enhancement) algorithm, used to calculate one-hour average concentrations of a contaminant at the Point of Impingement and at the most impacted Sensitive Receptor.

6. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed in Schedule A;

7. "Biofilter" means the biofilters described in this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

8. "Biofilter Stack" means the ground-based stack serving the Biofilter;

9. "Company" means Convertus Canada Ltd. operating as Convertus Canada Ltd. that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;

10. "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the EPA.

11. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;

12. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19;

13. "Equipment" means the 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;

14. "ESDM Report" means the most current Emission Summary and Dispersion Modelling Report that describes the Facility. The ESDM Report is based on the Original ESDM Report and is updated after the issuance of this Approval in accordance with section 26 of O. Reg. 419/05 and the Procedure Document;

15. "Facility" means the entire operation located on the property where the Equipment is located;

16. "Fugitive Emission Control Plan" means a document or a set of documents that provides written instructions to staff of the Company.

17. "Independent Acoustical Consultant" means an Acoustical Consultant who is not representing the Company and was not involved in preparing the Acoustic Assessment Report or the design/implementation of Noise Control Measures for the Facility and/or Equipment. The Independent Acoustical Consultant shall not be retained by the Acoustical Consultant involved in the noise impact assessment or the design/implementation of Noise Control Measures for the Facility and/or Equipment;

18. "Integrated Scrubber" means the two (2) roof-mounted integrated scrubber housings described in this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

19. "Manager" means the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, or any other person who represents and carries out the duties of the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, as those duties relate to the conditions of this Approval;

20. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

21. "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;

22. "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, as outlined in the Acoustic Assessment Report;

23. "Original ESDM Report" means the Emission Summary and Dispersion Modelling Report which was prepared in accordance with section 26 of O. Reg. 419/05 and the Procedure Document by GHD Limited and dated October 20, 2020 submitted in support of the application, and includes any changes to the report made up to the date of issuance of this Approval;

24. "Point of Impingement" has the same meaning as in section 2 of O. Reg. 419;

25. "Pre-Test Plan" means a plan for the Source Testing including the information required in Section 5 of the Source Testing Code;

26. "Procedure Document" means Ministry guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated February 2017, as amended;

27. "Publication NPC-103" means the Ministry Publication NPC-103 of the Model Municipal Noise Control By-Law, Final Report, August 1978, as amended;

28. "Publication NPC-233" means the Ministry Publication NPC-233, “Information to be Submitted for Approval of Stationary Sources of Sound”, October 1995, as amended.

29. "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;

30. "Sensitive Receptor" means any location where routine or normal activities occurring at reasonably expected times would experience adverse effect(s) from odour discharges from the Facility, including one or a combination of:

    a. private residences or public facilities where people sleep (e.g.: single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping grounds, etc.),

    b. institutional facilities (e.g.: schools, churches, community centres, day care centres, recreational centres, etc.),

    c. outdoor public recreational areas (e.g.: trailer parks, play grounds, picnic areas, etc.), and

d. other outdoor public areas where there are continuous human activities (e.g.: commercial plazas and office buildings).

31. "Source Testing" means sampling and testing to measure the rates of emissions of the Test Contaminants as required under this Approval from the Targeted Sources when the Facility is operating at its maximum approved operating capacity or at a processing capacity which represents a practically achievable maximum capacity at the time of the testing.

32. "Source Testing Code" means the Ontario Source Testing Code, dated June 2010, prepared by the Ministry, as amended;

33. "Targeted Sources" means the sources listed in Schedule B; and

34. "Test Contaminants" means the contaminants listed in Schedule B.

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. PERFORMANCE CONDITIONS

1. The Company shall ensure that the noise emissions from the Facility comply with the limits set in Publication NPC-300.

2. The Company shall operate and maintain the Facility so that the maximum 10-minute average concentration of odour at the most impacted Sensitive Receptor, computed in accordance with Schedule D, resulting from the operation of the Facility, shall not be greater than 1.0 odour unit under all atmospheric conditions.

2. MONITORING

1. The Company shall monitor and record the following physical parameters of the Integrated Scrubber and the Biofilter, through a combination of sensors, meters, physical probes or equivalent means, at frequencies either as recommended by the Equipment suppliers or as determined by operational needs:

   a. Integrated Scrubber:

      i. concentrations of ammonia at inlet and outlet,

      ii. pH and conductivity of the scrubbing medium in the ammonia scrubber

b. Biofilter:

i. air flow rate through the Biofilter,

ii. pressure drop in the Biofilter,

iii. inlet and outlet air temperature of the Biofilter,

iv. inlet and outlet air relative humidity of the Biofilter,

v. temperature of media in the Biofilter, at least at 3 different locations,

vi. moisture content of media in the Biofilter,

vii. water irrigation rate of the Biofilter, and

viii. quality of water used in the irrigation system of the Biofilter.

3. OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

a. review and update as necessary, within three (3) months after the date of this Approval, its current Manual which outlines the operating procedures of the Facility that relate to odour and noise, as well as the operating procedures and a maintenance program for the Equipment in accordance with good engineering practice, to ensure that the Manual includes the following:

i. routine and emergency operating and maintenance procedures recommended by the Equipment suppliers, including operating procedures for the Facility that relate to odour and noise during Equipment malfunction, power outages, by-passes and other emergency or abnormal operating conditions and procedures for notifying the Ministry of such events;

ii. procedures to monitor and record the temperature and relative humidity of the air exiting the composting tunnels;

iii. procedures to monitor and record the quantity of ventilation air that bypassed the composting tunnels and the quantity of air that are collected from the composting tunnels to the flow splitting box;

iv. procedures to monitor and record the quantity of air flowing through the Integrated Scrubber;

v. procedures to monitor and record the concentrations of ammonia in the air entering and leaving the Integrated Scrubber;

vi. procedures to monitor the quantity of sulphuric acid solution in the storage tank for the Integrated Scrubber;

vii. procedures to monitor and record the results of the monitoring and the frequencies of monitoring of the parameters of the Integrated Scrubber and Biofilter required in Condition 2 above;

viii. the "as-required" criteria on the operation of the booster fan to draw ambient air into the Facility stack;

ix. a Fugitive Emission Control Plan, identifying fugitive odour emission sources from the operation of the Facility, and outlining the physical and procedural controls such as policies and standard operating procedures required in order to prevent or mitigate fugitive odour emissions from the operation of the Facility;

x. procedures for any record keeping activities relating to the operation and maintenance of the Equipment and the odour and noise related activities at the Facility;

xi. all appropriate measures to minimize noise and odour emissions from all potential sources, including but not limited to a contingency plan to deal with the storage of incoming materials when the Facility is shut down.

b. The updated Manual has to be submitted to the District Manager for approval within one (1) month after completion of its update. Furthermore, the Company has to periodically update the Manual when deemed required; and

c. implement the procedures and recommendations of the approved and periodically updated Manual.

2. The Company shall keep all doors in the enclosed building of the Facility fully closed at all times, except when used for necessary personnel or vehicle entrance and exit.

3. The Company shall ensure that the enclosed building and the Compost Curing Building of the Facility are operated under negative pressure at all times, when there are unprocessed or partially processed materials inside the building or Compost Curing Building.

4. SOURCE TESTING

1. The Company shall perform Source Testing in accordance with the procedures in Schedule C to determine the rates of emissions of the Test Contaminants from the Targeted Sources listed in Schedule B, within twelve (12) months of the date of this Approval.

2. Source Testing shall be repeated in accordance with the Retesting Schedule listed in Schedule B.

3. The Director may not require subsequent annual Source Testing of individual Test Contaminants if, at the discretion of the Director and District Manager, the results of the Source Testing indicate that the environmental impact is insignificant or the emissions from the Facility have already been sufficiently characterized.

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; and

   b. 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; and

      iii. 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.

6. 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.

7. ACOUSTIC AUDIT

1. The Company shall carry out Acoustic Audit measurements on the actual noise emissions due to the operation of the Facility. The Company:

   a. shall carry out Acoustic Audit measurements in accordance with the procedures in Publication NPC-103;

   b. shall submit an Acoustic Audit Report on the results of the Acoustic Audit, prepared by an Independent Acoustical Consultant, in accordance with the requirements of Publication NPC-233, to the District Manager and the Director not later than nine (9) months from the date of this Approval.

2. The Director:

a. may not accept the results of the Acoustic Audit if the requirements of Publication NPC-233 were not followed;

b. may require the Company to repeat the Acoustic Audit if the results of the Acoustic Audit are found unacceptable to the Director.

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

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

2. Condition No. 3 is 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. Condition No. 4 is included to require the Company to gather accurate information so that the environmental impact and subsequent compliance with the EPA, the regulations and this Approval

4. Condition No. 5 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.

5. Condition No. 6 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

6. Condition No. 7 is included to require the Company to gather accurate information and submit an Acoustic Audit Report in accordance with procedures set in the Ministry's noise guidelines, so that the environmental impact and subsequent compliance with this Approval can be verified.

SCHEDULE A

Supporting Documentation

1. Application for Approval (Air & Noise), dated March 17, 2006 and signed by Frederick Mosher, Orgaworld Canada Ltd., and all supporting information associated with the application.

    1. Letter dated July 27, 2006 and signed by Frederick (Rick) A. Mosher, P.Eng., provided by Conestoga-Rovers & Associates to Christina Labarge, P.Eng., Ontario Ministry of the Environment, in response to Ministry's request for additional information.

    2. Letter dated October 2, 2006 and signed by Tej Gidda, P.Eng., provided by Conestoga-Rovers & Associates to Rudolf Wan, P.Eng., Ontario Ministry of the Environment, in response to Ministry's request for additional information.

    3. Letter dated October 31, 2006 and signed by Tej Gidda, P.Eng., provided by Conestoga-Rovers & Associates to Rudolf Wan, P.Eng., Ontario Ministry of the Environment, in response to Ministry's request for additional information.

    4. Email sent November 6, 2006 from Tej Gidda, P.Eng., Conestoga-Rovers & Associates to Rudolf Wan, P.Eng., Ontario Ministry of the Environment, in response to Ministry's request for additional information.

    5. Letter dated November 8, 2006 and signed by Tej Gidda, P.Eng., provided by Conestoga-Rovers & Associates to Rudolf Wan, P.Eng., Ontario Ministry of the Environment, in response to Ministry's request for additional information.

    6. Two (2) emails sent December 19, 2006 from Tej Gidda, P.Eng., Conestoga-Rovers & Associates to Ontario Ministry of the Environment, the first email to Margaret Wojcik, P.Eng. and the second email to both Margaret Wojcik, P.Eng. and Rudolf Wan, P.Eng., to provide clarifications to the Ministry.

    7. Email sent December 20, 2006 from Tej Gidda, P.Eng., Conestoga-Rovers & Associates to Rudolf Wan, P.Eng., Ontario Ministry of the Environment, to provide additional information to the Ministry.

2. Application for Approval (Air & Noise), dated April 25, 2008 and signed by Frederick Mosher, Orgaworld Canada Ltd., and all information associated with the application, and the Application for Approval (Air & Noise), dated December 23, 2008 and signed by Henk Kaskens, Orgaworld Canada Ltd., and all information associated with the application, and including additional information provided by Conestoga-Rovers & Associates on behalf of Orgaworld Canada Ltd, dated May 28, 2009 and signed by Tej Gidda, P.Eng., to support the applications.

3. Application for Approval (Air & Noise), dated September 18, 2009 and received October 30, 2009 and signed by Henk Kaskens, Orgaworld Canada Ltd., and all information associated with the application including additional information provided by Conestoga-Rovers & Associates on behalf of Orgaworld Canada Ltd, dated March 8, 2010 and signed by Tej Gidda, P.Eng., and the letter sent by Conestoga-Rovers & Associates on behalf of Orgaworld Canada Ltd to the Director, Environmental Assessment and Approvals Branch of the Ministry, dated April 6, 2010 and signed by Tej Gidda, P.Eng.

4. Application for Approval (Air & Noise), dated June 9, 2010 and received June 10, 2010 and signed by Henk Kaskens, Orgaworld Canada Ltd., and all information associated with the application including additional information provided by Conestoga-Rovers & Associates on behalf of Orgaworld Canada Ltd, dated August 26, 2010 and signed by Tej Gidda, P.Eng.

5. Application for Approval (Air & Noise), dated July 21, 2010 and received August 9, 2010 and signed by Henk Kaskens, Orgaworld Canada Ltd., and all information associated with the application including additional information provided by Conestoga-Rovers & Associates on behalf of Orgaworld Canada Ltd, dated August 26, 2010, September 18, 2010 and September 22, 2010 and signed by Tej Gidda, P.Eng., and the email sent from Tej Gidda, P.Eng., on September 23, 2010 to Rudolf Wan, P.Eng. of the Ministry.

6. Application for Approval (Air & Noise), dated December 21, 2010 and received December 31, 2010 and signed by Henk Kaskens, Orgaworld Canada Ltd., and all information associated with the application including additional information provided by Conestoga-Rovers & Associates on behalf of Orgaworld Canada Ltd, dated February 25, 2011, March 18, 2011 and signed by Tej Gidda, P.Eng., on March 23, 2011 provided by Brent Boss in an email, and on April 6, 2011 provided by Sarah Tebbutt, P.Eng. in an email.

7. Application for Approval (Air & Noise), dated July 27, 2011 and signed by Henk Kaskens, Orgaworld Canada Ltd., and all information and documentation associated with the application including additional information provided by Conestoger-Rovers & Associates on behalf of Orgaworld Canada Ltd., dated August 24, 2011 and signed by Tej Gidda, P.Eng., and contained in an email sent August 26, 2011 from Tej Gidda, P.Eng. to Rudolf Wan, P.Eng. of the Ministry.

8. Application for Approval (Air & Noise), dated October 14, 2020 and signed by David Veinot, Convertus Canada Ltd., and all information and documentation associated with the application including additional information provided by GHD Limited on behalf of Convertus Canada Ltd., dated October 20, 2020 and signed by Matthew Griffen, and contained in an email sent February 23, 2021 from David Veinot to Steve Mercer, P.Eng. of the Ministry.

9. Application for Environmental Compliance Approval dated October 14, 2020 signed by David Veinot, Convertus Canada Ltd., including letter from Dana-Jill Stroeder, GHD, to Director, Client Services and Permissions Branch, Ontario Ministry of the Environment, Conservation and Parks and the following attachments:

    a. Attachment 2 entitled "London - Air Equipment Upgrade Description Report";

b. Attachment 3 entitled "London - Air Works Report"
c. Attachment 4 entitled "Consent of Land/Site Owner for the Installation and Operation of the Proposed Activity"
d. Attachment 5 entitled "Record of Public Notification"

SCHEDULE B

Targeted Sources and Test Contaminants for Source Testing:

Targeted Source	Test Contaminants	Retesting Schedule
Biofilter Stack	odour, ammonia, hydrogen sulphide, dimethyl disulphide, dimethyl sulphide	every two years

SCHEDULE C

Source Testing Procedures

1. The Company shall submit, not later than three (3) months prior to the Source Testing, to the Manager a Pre-Test Plan for the Source Testing required under this Approval. The Company shall finalize the Pre-Test Plan in consultation with the Manager.

2. The Company shall not commence the Source Testing required under this Approval until the Manager has approved the Pre-Test Plan.

3. The Company shall notify the Manager, the District Manager and the Director in writing of the location, date and time of any impending Source Testing required by this Approval, at least fifteen (15) days prior to the Source Testing.

4. The Company shall submit a report (electronic format) on the Source Testing to the Manager, the District Manager and the Director not later than three (3) months after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include, but not be limited to:

    1. an executive summary;
    2. an identification of the applicable North American Industry Classification System code (NAICS) for the Facility;
    3. records of operating conditions at the time of Source Testing, including but not limited to the following:

a. production data and equipment operating rate as a percentage of maximum capacity;

b. records of weather conditions such as ambient temperature and relative humidity;

c. all operating conditions of the Facility including processing rates of organic materials (SSO and leaf and yard waste);

d. quantity of compost materials in the compost building, and all operating conditions of the Integrated Scrubber, the Biofilter and the booster fan;

e. Facility/process information related to the operation of the Targeted Sources;

f. description of the emission sources controlled by the Targeted Sources at the time of testing; and

g. operational description of the general building ventilation at the time of testing

4. results of Source Testing, including the emission rate, emission concentration, and relevant emission factor of the Test Contaminants from the Targeted Sources;

5. a tabular comparison of calculated emission rates based on Source Testing results for the Test Contaminants to relevant estimates described in the ESDM Report, and

6. results of dispersion calculations indicating the maximum 10-minute average concentrations of odour at the Point of Impingement and at the most impacted Sensitive Receptor computed in accordance with Schedule "D"

5. The Director may not accept the results of the Source Testing if:

1. the Source Testing Code or the requirement of the Manager were not followed;

2. the Company did not notify the Manager, the District Manager and Director of the Source Testing; or

3. the Company failed to provide a complete report on the Source Testing.

6. If the Director does not accept the result of the Source Testing, the Director may require re-testing. If re-testing is required, the Pre-Test Plan strategies need to be revised and submitted to the Manager for approval. The actions taken to minimize the possibility of the Source Testing results not being accepted by the Director must be noted in the revision.

7. The Company shall update their ESDM Report in accordance with Section 26 of O. Reg. 419/05 and the Procedure Document with the results from the Source Testing, if any of the calculated emission factors or calculated emission rates are higher than the predicted rates in the ESDM report, not later than three (3) months after the submission of the Source Testing report and make these records available for review by staff of the Ministry upon request.

SCHEDULE D

Procedure to calculate and record the 10-minute average concentration of odour at the *Point of Impingement* and at the most impacted *Sensitive Receptor*

1. Calculate and record one-hour average concentration of odour at the *Point of Impingement* and at the most impacted *Sensitive Receptor,* employing the *AERMOD* atmospheric dispersion model or any other model acceptable to the *Director,* that employs at least five (5) years of hourly local meteorological data and that can provide results reported as individual one-hour average odour concentrations;

2. Convert and record each of the one-hour average concentrations predicted over the five (5) years of hourly local meteorological data at the *Point of Impingement* and at the most impacted *Sensitive Receptor* to 10-minute average concentrations using the One-hour Average to 10-Minute Average Conversion described below; and

3. Record and present the 10-Minute Average concentrations predicted to occur over a five (5) year period at the *Point of Impingement* and at the most impacted *Sensitive Receptor* in a histogram. The histogram shall identify all predicted 10-minute average odour concentration occurrences in terms of frequency, identifying the number of occurrences over the entire range of predicted odour concentration in increments of not more than 1/10 of one odour unit. The maximum 10-minute average concentration of odour at the *Sensitive Receptor* will be considered to be the maximum odour concentration at the most impacted *Sensitive Receptor* that occurs and is represented in the histogram, disregarding outlying data points on the histogram as agreed to by the *Director.*

   a. Use the following formula to convert and record one-hour average concentrations at the *Point of Impingement* and at the most impacted *Sensitive Receptor* to 10-minute average concentrations:

$$X_{10min} = X_{60min} * 1.65$$

where X_{10min} = 10-minute average concentration

X_{60min} = one-hour average concentration

(Equation: X Subscript 10min Baseline equals X Subscript 60min Baseline times 1.65, where X Subscript 10min Baseline equals 10-minute average concentration and X Subscript 60min Baseline equals one-hour average concentration.)

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 2450-8KVG84 issued on October 24, 2011.

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 9th day of April, 2021

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

SM/
c: District Manager, MECP London District Office
Dana-Jill Stroeder, GHD Limited