

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A650133
Issue Date: June 12, 2020

Covanta Environmental Solutions Ontario, Inc.
260 Shoemaker St
Kitchener, Ontario
N2E 3E1

Site Location: 260 Shoemaker Street
260 Shoemaker St and 244 Shoemaker Street
Kitchener City, Regional Municipality of Waterloo
N2E 3E1

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 waste disposal site, including the transfer and processing of subject waste and the transfer and processing of municipal waste

For the purpose of this environmental compliance approval, the following definitions apply:

“Approval” means this entire provisional Environmental Compliance Approval document, and includes any schedules to it, the application and the supporting documentation listed in Schedule "A";

“Building 1” means the building located at 260 Shoemaker Street, Kitchener City, Regional Municipality of Waterloo, N2E 3E1;

“Building 2” means the building located at 244 Shoemaker Street, Kitchener City, Regional Municipality of Waterloo, N2E 3E1;

“Director” means any Ministry employee appointed in writing by the Minister pursuant to section 5 of the EPA as a Director for the purposes of Part V of the EPA;

“District Manager” means the District Manager of the local district office of the Ministry in which the Site is geographically located;

“EPA” means the Environmental Protection Act, R.S.O. 1990, C.E-19, as amended;

"Fire Safety Plan" means a Fire Safety Plan for the Site that is deemed to have been found acceptable by the local fire service authority;

"Ministry" means the Ontario Ministry of the Environment, Conservation and Parks;

"municipal waste" means municipal waste as defined in Reg. 347;

"OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;

"Operator" means any person, other than the Owner's employees, authorized by the Owner as having the charge, management or control of any aspect of the site;

"Owner" means any person that is responsible for the establishment or operation of the Site being approved by this Approval, and includes Covanta Environmental Solutions Ontario Inc., its successors and assigns;

"PA" means the Pesticides Act, R.S.O. 1990, c. P-11, as amended from time to time;

"Provincial Officer" means any person designated in writing by the Minister as a provincial officer pursuant to section 5 of the OWRA or section 5 of the EPA or section 17 of PA;

"putrescible waste" means organic waste that rapidly decomposes, such as food waste;

"Reg. 347" means Regulation 347, R.R.O. 1990, General - Waste Management, made under the EPA, as amended from time to time;

"residual waste" means waste that is destined for final disposal or further processing at another approved waste disposal facility;

"Site" means the waste disposal site (transfer and processing) located at 260 Shoemaker St Lot 2, Plan 1478 and part 8, Plan 58R-5349, Kitchener City, Regional Municipality of Waterloo;

"subject waste" means subject waste as defined in Reg. 347;

"Trained personnel" means competent personnel that have been trained through instruction and/or practice in accordance with Condition 24 of this Approval;

"wastewater treatment equipment" means the sparging/absorption/adsorption equipment used for the on-site treatment of wastewater described in Item 10 of Schedule "A".

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1.0 Compliance

- 1.1 The Owner and Operator shall ensure compliance with all the conditions of this Approval and shall ensure that any person authorized to carry out work on or operate any aspect of the Site is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Approval.
- 1.3 The Site shall be operated and maintained at all times including management and disposal of all waste in accordance with the EPA, Reg. 347 and the conditions of this Approval. At no time shall the discharge of a contaminant that causes or is likely to cause an adverse effect be permitted.

2.0 Design, Develop, Build, Operate, Modify and Maintain in Accordance

- 2.1 (1) Except as otherwise provided for in this Approval, the Site shall be designed, developed, built, operated, modified and maintained in accordance with the Design and Operations Report as updated from time to time, and the other supporting documentation listed in Schedule "A".
- (2) 1. Construction and installation of the aspects of the Site described in Items 23 through 26 of Schedule "A" must be completed within 5 years of the later of:
- (a) the date this Approval is issued; or
 - (b) if there is a hearing or other litigation in respect of the issuance of this Approval, the date that this hearing or litigation is disposed of, including all appeals.
2. This Approval ceases to apply in respect of the aspects of the Site noted above that have not been constructed or installed before the later of the dates identified in Condition 2.1(2)1 above.

3.0 Interpretation

- 3.1 Where there is a conflict between a provision of any document, including the application, referred to in this Approval, and the conditions of this Approval, the conditions in this Approval shall take precedence.
- 3.2 Where there is a conflict between the application and a provision in any documents listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the Ministry approved the amendment.

- 3.3 Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.
- 3.4 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

4.0 Other Legal Obligations

- 4.1 The issuance of, and compliance with, this Approval does not:
- (1) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement including, but not limited to:
 - (a) obtaining site plan approval from the local municipal authority;
 - (b) obtaining all necessary building permits from the local municipal authority Building Services Division;
 - (c) obtaining approval from the Chief Fire Prevention Officer, local municipal authority: or
 - (2) limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner and Operator to furnish any further information related to compliance with this Approval.

5.0 Adverse Effect

- 5.1 The Owner and Operator shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the Site, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.
- 5.2 Despite an Owner, Operator or any other person fulfilling any obligations imposed by this Approval, the Owner, Operator or any other person remains responsible for any contravention of any other condition of this Approval or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect to the natural environment or impairment of water quality.

6.0 Change of Owner

- 6.1 The Owner shall notify the Director in writing, and forward a copy of the notification to the District Manager, within thirty (30) days of the occurrence of any changes:
- (1) the ownership of the Site;

- (2) the Operator of the Site;
- (3) the address of the Owner or Operator;
- (4) the partners, where the Owner is or at any time becomes a partnership and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B-17 shall be included in the notification; and
- (5) the name of the corporation where the Owner is or at any time becomes a corporation, other than a municipal corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C-39 shall be included in the notification.

6.2 No portion of this Site shall be transferred or encumbered prior to or after closing of the Site unless the Director is notified in advance and sufficient financial assurance is deposited with the Ministry to ensure that these conditions will be carried out. In the event of any change in ownership of the Site, other than change to a successor municipality, the Owner shall notify the successor of and provide the successor with a copy of this Approval, and the Owner shall provide a copy of the notification to the District Manager and the Director.

7.0 Financial Assurance

- 7.1
- (1) Within twenty (20) days of the date of issuance of this Approval, the Owner shall submit financial assurance as defined in Section 131 of the EPA to the Director in an amount no less than \$550,000.00. This financial assurance shall be in a form acceptable to the Director and shall provide sufficient funds for the analysis, transportation, Site clean-up, monitoring and disposal of all quantities of waste permitted to be on Site at any one time.
 - (2) Commencing on March 31, 2023, and every three (3) years thereafter, the Owner shall provide to the Director a re-evaluation of the amount of the financial assurance to facilitate the actions required under Condition 7.1(1). Additional financial assurance, if required, must be submitted to the Director within twenty (20) days of written acceptance of the re-evaluation by the Director.
 - (3) The amount of financial assurance is subject to review at any time by the Director and may be amended at his/her discretion.
 - (4) If any financial assurance is scheduled to expire or notice is received, indicating financial assurance will not be renewed, and satisfactory methods have not been made to replace the financial assurance at least sixty (60) days before the financial assurance terminates, the Owner shall forthwith replace the financial assurance with cash.

8.0 Inspections

8.1 No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the OWRA, the EPA, or the PA, of any place to which this Approval relates, and without limiting the foregoing:

- (1) to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this Approval are kept;
- (2) to have access to, inspect, and copy any records required to be kept by the conditions of this Approval;
- (3) to inspect the Site, related equipment and appurtenances;
- (4) to inspect the practices, procedures, or operations required by the conditions of this Approval; and
- (5) to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the EPA, the OWRA or the PA.

9.0 Information and Record Retention

9.1 Any information requested, by the Ministry, concerning the Site and its operation under this Approval, including but not limited to any records required to be kept by this Approval shall be provided to the Ministry, upon request, in a timely manner.

9.2 The receipt of any information by the Ministry or the failure of the Ministry to prosecute any person or to require any person to take any action, under this Approval or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:

- (1) an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this Approval or any statute, regulation or other legal requirement; or
- (2) acceptance by the Ministry of the information's completeness or accuracy.

9.3 All records required by the conditions of this Approval must be retained on Site for a minimum period of two (2) years from the date of their creation.

9.4 Any information relating to this Approval and contained in Ministry files may be made available to the public in accordance with the provisions of the Freedom of Information and Protection of Privacy Act, R.S.O. 1990, C. F-31.

10.0 Service Area and Hours of Operations.

- 10.1 Only waste generated within the geographical boundaries of Canada, the United States and Mexico shall be accepted at the Site.
- 10.2 (1) Waste may be received at the Site 24 hours per day, 7 days per week, unless otherwise limited by municipal by-laws.
- (2) Waste may be processed at the Site 24 hours per day, 7 days per week, unless otherwise limited by municipal by-laws.

11.0 Signage and Security

- 11.1 The Owner shall install a sign at the main entrance/exit to the Site on which is legibly displayed the following information:
- (1) the name of the Site and Owner;
- (2) the number of this Approval;
- (3) a twenty-four (24) hour telephone number that can be used to reach the Owner in the event of a complaint or an emergency; and
- (4) the type of waste that is approved for receipt at the Site.
- 11.2 The Owner shall operate and maintain the Site in a secure manner, with access to the Site regulated and the perimeter of the Site secured by fencing no less than 1.8 metres (6 feet) in height. During non-operating hours, the Site entrance and exit gates shall be locked and the Site shall be secured against access by unauthorized persons.

12.0 Approved Waste Types and Testing

- 12.1 (1) The Owner may only accept the following categories of waste at the Site:
1. solid hazardous wastes, liquid hazardous wastes and liquid industrial waste, accepted for the purposes of transfer and/or processing, limited to Waste Class Nos. 111-114 inclusive, 121-123 inclusive, 131-135 inclusive, 141-150 inclusive, 211-213 inclusive, 221, 222, 231-233 inclusive, 241, 242, 251-254 inclusive, 261-270 inclusive, 281, 282, 311 and 331 as described in the Ministry's New Ontario Waste Classes dated January 1986;
 2. solid non-hazardous wastes and liquid non-hazardous wastes (other than liquid industrial waste) accepted for the purposes of transfer and/or processing, including pharmaceuticals, cosmetics, packaged foods & beverages, consumer products, bulk ingredients used to produce such items, and used medical devices &

equipment.

3. biomedical waste (Waste Class No. 312) accepted for the purposes of transfer only, limited to sharps, microbiology laboratory waste and cytotoxic waste as defined in Guideline C-4.

- (2) Notwithstanding Condition 12.1(1) above, the Owner shall not accept any of the following wastes:

1. PCB waste (D);
2. radioactive waste; and
3. severely toxic waste (S).

- 12.2 (1) The Owner shall ensure all incoming loads are inspected by a trained attendant to ensure only waste approved under this Approval is received at this Site;

- (2) If any incoming waste load is known to, or is discovered to, contain unapproved waste, that load shall not be accepted at the Site; and

- (3) If any unapproved waste is discovered on-site, that waste shall be immediately disposed of in accordance with the EPA and Reg. 347.

- 12.3 (1) All incoming and outgoing subject wastes shall be inspected, tested and characterized by trained personnel prior to being received, processed, transferred and shipped to ensure wastes are being managed and disposed of in accordance with the EPA and Reg. 347.

- (2) Prior to accepting waste from any generator for the first time, and no less than once per year thereafter, the Owner shall carry out testing on a representative sample of each waste class to be received and shall analyse these samples for the parameters identified in:

1. Schedule "B" if the waste is being accepted for transfer only; or
2. Column 1 (Profile "1") of Schedule "C" if the waste is being accepted for processing.

- (3) The Owner shall request generators to notify the Owner of any changes or process modifications that may affect the waste class and/or characteristics of the waste to be received. Upon such notification by the generator, the Owner shall ensure that the testing described in Condition 12.3(2) above is repeated before accepting any further waste from that generator.

- (4) All incoming waste loads shall be tested and characterized using a representative sample, and at a minimum shall be analysed for the appropriate parameters for each waste class identified in:

1. Schedule "B" if the waste is being accepted for transfer only; or
2. Column 2 (Incoming "2") of Schedule "C" if the waste is being accepted for processing.

- (5) All outgoing waste loads shall be tested and characterized using a representative sample, and at a

minimum shall be analysed for the appropriate parameters for each waste class identified in Schedule "B".

- (6) Prior to discharging effluent to the sanitary sewer, the Owner shall take a representative sample and at a minimum analyse it for the parameters listed in Column 5 (Effluent "5") of Schedule "C".
- (7) Notwithstanding Conditions 12.3(1) and 12.3(5) above, outgoing solid heterogeneous waste mixtures that are not amenable to standard testing procedures shall retain the characterization originally assigned during receipt at the Site unless characterized using another method.
- (8) Notwithstanding Condition 12.3(1), 12.3(2) and 12.3(5) above, the Owner may rely on accompanying Safety Data Sheets instead of testing to characterize wastes that consist solely of pre-packaged goods that are free of contamination and conform to intended product specifications, including outgoing goods that have been bulked, sorted, shredded, bailed or subjected to densification, but not mixed, blended or otherwise chemically altered.
- (9) Testing and characterization shall otherwise be carried out in accordance with the documents listed in Schedule "A".

12.4 The Owner shall maintain a Quality Assurance/Quality Control (QA/QC) program for the sampling and analysis of all incoming and outgoing wastes. The Owner shall make the results of the program and all analytical results available for inspection by a Provincial Officer upon request.

12.5 If at any time the Owner sells any material derived from the on-site processing or reformulation of subject waste, the Owner shall provide to the purchaser a written MSDS for the material and analytical information including test results for the appropriate parameters listed in Schedule "B" and/or Schedule "C". The Owner shall also provide the purchaser with a statement describing the purchaser's legal obligations under the EPA and Reg. 347 for the use and/or disposal of the material being purchased.

12.6 Chlorinated solvent being transported from the Site to the facility located at 2391 Lakeshore Road West, Mississauga, Ontario (formerly Holcim (Canada) Inc.), is exempt from Part V of the EPA and Reg. 347 provided:

- (1) the solvent meets the following chemical and compositional criteria:
 - (a) has a minimum of 2% chlorine content;
 - (b) is a complex mixture of chlorinated hydrocarbons in a chlorinated aromatic hydrocarbon base;
 - (c) does not contain more than 10 ppm of any residual organochlorine pesticides;
and
 - (d) does not contain more than 5 ppm of polychlorinated biphenyls (PCBs);
- (2) a chemical analysis for each load is submitted to the owner/operator of the facility prior to its use at the facility. The analysis shall include, but not be limited to, the following:

- (a) percent chlorine content;
 - (b) concentration of organochlorine pesticides, reported in ppm; and
 - (c) concentration of PCBs, reported in ppm; and
- (3) the solvent is transported by a hauler holding a valid Waste Management System Approval of Approval directly to the facility located at 2391 Lakeshore Road West, Mississauga, Ontario for use in the production of reduced alkali.

13.0 Approved Waste Quantities

- 13.1 The amount of waste received at the Site on any one day shall not exceed 500,000 litres.
- 13.2 The amount of residual waste transferred from the Site for final disposal shall not exceed 1,000 tonnes per day.
- 13.3 The amount of waste present at the Site at any one time, including unprocessed waste, in-process waste, processed waste and residual waste, shall not exceed 1,880,000 litres, where the amount of waste present in each building shall not exceed;
- (1) 678,280 litres in Building 1; and
 - (2) 1,201,720 litres in Building 2.
- 13.4 For the purposes of establishing compliance with Conditions 13.1 to 13.3 above and all other waste limits set out in this Approval, the Owner shall use a conversion factor of 1 tonne = 1000 litres.

14.0 Waste Storage

- 14.1 (1) Waste shall only be stored in the locations, containers and vessels listed in Schedule "D2". The Owner shall also ensure that all activities related to the unloading, processing, storage and other handling of incoming waste, in-process waste, processed waste and residual waste are conducted indoors in such that this management does not result in a nuisance or an adverse effect.
- (2) Notwithstanding Condition 14.1(1) above, waste may be temporarily stored outdoors when the normal receipt/shipment of waste has been disrupted due to circumstances beyond the control of the company, subject to the following:
- 1. the waste shall only be stored on covered trailers or similar covered bulk transport containers;
 - 2. the amount of waste stored outdoors shall not exceed 50 tonnes;
 - 3. the covered containers shall only be located in areas that will prevent spills from leaving the property, either through sloped topography or through the use of

- temporary berms;
- 4. manholes and sewer drains located in containment areas shall be covered at all times while waste is present;
- 5. waste shall not be stored outdoors for longer than 7 days.

14.2 The Owner shall ensure that all subject waste received at the Site or generated as a result of Site operations is managed, stored and shipped from the Site in a manner that prevents the release of contaminants to the natural environment and minimizes the risk of fires, explosions and other hazards, and shall otherwise be carried out in accordance with any restrictions as described in applicable building permits or as imposed by the local fire service authority. All subject waste shall be stored in accordance with the Ministry's "Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities" dated May 2007, as amended from time to time.

14.3 The Owner shall ensure that all waste storage containers and vessels are labelled, either on the storage containers and vessels themselves or in a nearby and easily accessible chart or log, with the volume of the container/vessel, the Waste Class No. and the waste characteristic of the waste being contained. This information shall be made available to any Provincial Officer upon request.

14.4 Waste storage shall otherwise be conducted in accordance with the documents in Schedule "A".

14.5 Notwithstanding Conditions 13.3 and 14.1 above, waste shall be stored in accordance with Schedule D1 of this Approval until the following have been satisfied, at which time waste shall be stored in accordance with Schedule D2:

1. the Owner has obtained both an approved building permit and an approved site plan agreement authorizing the construction and use of the expansion to Building 2; and
2. the Owner has obtained written concurrence from the District Manager.

15.0 Processing

15.1 No processes other than the following shall be carried out at the Site:

- (1) the receipt, storage, sorting, consolidation, de-packaging, solidification and transfer of wastes;
- (2) the bulking of subject wastes listed in Condition 12.1(1)1 above, subject to the following restrictions:
 1. wastes that have different Waste Class Nos. shall not be bulked together;
 2. incompatible wastes that have the same Waste Class No. shall not be bulked together; and
 3. bulking shall not be carried out if the bulking of wastes would result in the

evolution of gas, the formation of a solid precipitate or any other indicators of chemical change.

- (3) the processing of subject wastes listed in Condition 12.1(1)1 above, including:
 1. the phase separation of wastes and the treatment of those separated phases;
 2. the mixing of wastes for consolidation or treatment purposes, provided the wastes to be mixed are similar in nature, are compatible based on the results of bench-scale testing, and the mixing of those waste would not result in the evolution of a hazardous gas, excessive heat or any other hazard;
 3. the solidification of sludges;
 4. the vacuum flash evaporation of oils;
 5. the shredding, chemical oxidation and solidification of waste medications received as Waste Class 261 where that waste may be disposed of as solid non-hazardous waste; and
 6. the shredding of non-hazardous liquid industrial waste received in containers, where the containers may be disposed of as solid non-hazardous waste.
- (4) the processing of non-subject wastes listed in Condition 12.1(1)2 above, including:
 1. the bulking, bailing and densification of solid non-hazardous wastes;
 2. the shredding, crushing or destruction by similar physical means of solid non-hazardous wastes and liquid non-hazardous wastes (other than liquid industrial waste) received in product packaging;
 3. the processing of solid non-hazardous wastes and liquid non-hazardous wastes (other than liquid industrial waste) to produce saleable products, provided the wastes are processed in accordance with written instructions from the manufacturer and the process produces material that meets written manufacturer specifications; and
 4. the collection and consolidation of solid non-hazardous wastes for the purposes of recycling.
- (5) the evaporation of wastewaters for the purposes of volume reduction for off-site disposal;
- (6) the disassembly and assembly of lab packs, including the removal of incidental amounts of waste from mixed waste loads for repackaging with like wastes;
- (7) the processing of aerosol cans and compressed gas cylinders;
- (8) the sorting of batteries;
- (9) the chemical destruction of narcotics or precursor-containing products in accordance with prescribed methods recognized by Health Canada;
- (10) the physical removal of mercury from mercury-containing devices;

- (11) the transfer of biomedical waste.
- 15.2 The Owner shall ensure that only compatible wastes are bulked together. Bulking shall not be used for the purposes of dilution at any time.
- 15.3 The assembly of lab packs shall be carried out in accordance with the following:
- (1) each waste to be included in the lab pack shall be stored in its own individual rigid, sealed and leakproof container;
 - (2) each individual container shall be stored securely before being overpacked with a rigid, sealed and leakproof container; and
 - (3) incompatible wastes shall not be placed in the same lab pack.
- 15.4 The processing of waste shall only be carried out indoors in accordance with the waste treatment protocols listed in Schedule "A". The processing of liquid wastes shall only be carried out in areas where sufficient spill containment is available.
- 15.5 The evaporation of wastewaters shall be carried out in accordance with the following:
- (1) All wastewaters to be evaporated shall be evaluated by Trained personnel in accordance with the "Evaporator Input Control System Guide" in Item 15 of Schedule "A" prior to evaporation. Wastewaters that fail any of the evaluation criteria shall not be evaporated in the wastewater evaporator.
 - (2) Concentrated wastewaters shall not be further processed on-site, but shall be transported off-site for further processing and/or disposal as soon as practicable.
 - (3) Unless otherwise indicated above, all evaporation shall be carried out in accordance with the documents in Schedule "A".
- 15.6 The transfer of biomedical waste shall be carried out in accordance with the following:
- (1) all biomedical waste shall be stored in a secured area clearly marked with the Universal biohazard symbol;
 - (2) all staff handling biomedical waste must be trained in proper biomedical waste handling procedures, including the requirements set out in the Ministry document entitled "Guideline C-4: The Management of Biomedical Waste in Ontario" dated November 2009, and specifically in the safe handling of biomedical waste, biomedical waste packaging requirements, spill response and disinfection procedures and needlestick injury response procedures;

- (3) microbiology laboratory waste shall not be stored on-site for longer than 4 days unless:
 1. the Owner has notified the District Manager in writing that refrigeration equipment has been installed that is capable of holding the waste at a temperature not exceeding 4 degrees Celsius; and
 2. the waste is stored in the refrigeration equipment at all times.

15.7 The shredding, chemical oxidation and solidification of waste medication received as Waste Class No. 261 shall be carried out in accordance with the following:

- (1) Each batch of processed waste shall be tested using the Toxicity Characteristic Leaching Procedure defined in Section 1(1) of Reg. 347 and the Slump Test described in Schedule 9 of Reg. 347 prior to disposal to ensure the waste is not leachate toxic waste or liquid waste.
- (2) The treatment of waste medication shall only be carried out in the presence of a competent operator trained specifically in the use of the equipment.

15.8 No later than 3 months from the date of issuance of this Approval, the Owner shall prepare and maintain a Waste Analysis Plan prepared in accordance with Section 85 of O. Reg. 347 to be made available to any Provincial Officer upon request.

15.9 The conditions of this Approval do not apply to:

- (1) the formulation and/or production of products that are not derived from waste materials and do not contain waste materials, other than the handling and disposal of wastes generated during the formulation and/or production process; and
- (2) the shipment from the Site of materials that have been processed and as a result of that processing satisfy any exemption from waste approval requirements set out in the legislation, including (but not limited to) Section 3(2)1 of Regulation 347.

16.0 Procedures Manual and Preventative Maintenance

16.1 A procedures manual specific to the Site shall be prepared no later than 6 months from the date of issuance of this Approval, and shall be maintained current at all times and kept at the Site in central location that is accessible to Site personnel. The procedures manual shall contain detailed standard operating procedures relating to all aspects of the handling and processing of waste at the Site including contingency procedures to be followed in the event of equipment malfunction, a labour disruption, transportation disruption, inability of receiving sites to accept waste or other business disruption to the operation.

- 16.2 No later than 6 months from the date of issuance of this Approval, the Owner shall develop and implement a preventative maintenance program for all on-site equipment associated with the handling and processing of waste. The preventative maintenance program shall be available on Site for inspection by a Provincial Officer upon request.
- 16.3 Waste cleaners, waste paints, waste oils and other usable items received at the Site that are free of contamination and generally meet the criteria for a usable product may be reused on-site as part of the preventative maintenance program and for routine cleaning and spot repairs. (NOTE: This condition does not abrogate the Owner's responsibility to ensure a safe workplace environment for all employees in accordance with all applicable legislation enforced by the Ontario Ministry of Labour.)

17.0 Design and Operations Report

- 17.1 No later than 3 months from the date of issuance of this Approval, the Owner shall prepare and submit a revised Design and Operations Report to the Director for approval. The Design and Operations Report shall describe current Site operations as reflected in the conditions of this Approval, and shall contain at a minimum the information specified for a waste processing site as described in the most recent version of the Ministry publication "Guide for Applying for Approval of Waste Disposal Site" as it applies to this Site.

18.0 Nuisance Control

- 18.1 The Owner shall operate and maintain the Site such that dust, odours, vectors, litter, vibration, noise and traffic do not create a nuisance or an adverse effect.
- 18.2 If at any time vectors, birds or other pests become a nuisance, the Owner shall develop a pest control plan, satisfactory to the District Manager, which shall detail all practical steps that the Owner shall implement to control pests at the Site.
- 18.3 If at any time litter becomes a nuisance, the Owner shall develop a litter control plan, satisfactory to the District Manager, which shall detail all practical steps that the Owner shall implement to control litter at the Site.
- 18.4 If at any time dust becomes a nuisance, the Owner shall develop a dust control plan, satisfactory to the District Manager, which shall detail all practical steps that the Owner shall implement to control dust at the Site.
- 18.5 If at any time odours are generated at the Site resulting in complaints, the Owner shall take appropriate remedial actions immediately to eliminate the cause of the problem. Appropriate actions may include the removal of waste from the Site and temporary stoppage of all operations until the problem has been rectified and measures have been undertaken to prevent future occurrence.

18.6 The Owner shall ensure that queuing of trucks waiting to enter this Site on any roadway that is not a distinct part of this Site does not contribute to a traffic nuisance.

19.0 Stormwater Management and Wastewater Treatment

19.1 The Owner shall ensure that contact between stormwater and received waste, processed waste and residual waste is kept to a minimum.

19.2 The Owner shall manage all discharges from this Site, including sanitary and stormwater runoff, in accordance with appropriate municipal, provincial and/or federal legislation, regulations and by-laws.

- 19.3
- (1) The Owner shall ensure that the wastewater treatment equipment is operated in accordance with Item 10 of Schedule "A" at all times.
 - (2) The Company shall ensure that the wastewater treatment equipment is located in the area that provides sufficient containment to prevent any spilled wastewater from leaving the containment area.
 - (3) The Owner shall ensure that any run-off or spilled wastewater is contained and handled in accordance with the *Act* and Reg. 347.
 - (4) The maximum processing flow rate through the wastewater treatment equipment shall not exceed 20,000 litres per hour.

20.0 Site Inspections

20.1 Trained Personnel shall carry out a visual inspection of the entire Site (including all waste handling facilities, stormwater/wastewater management facilities, buildings and grounds) each day the Site is in operation to ensure that:

- (1) the Site is secure;
- (2) the operation of the Site is not the cause of any nuisances or adverse effects as described in Condition 18 above;
- (3) the operation of the Site is not causing any adverse effects on the environment; and
- (4) the Site is being operated in compliance with this Approval.

20.2 Any deficiencies discovered as a result of an inspection carried out under Condition 20.1 shall be remedied immediately. Operations shall be temporarily ceased as necessary in order to carry out required remedial actions.

20.3 A record of the daily inspections shall be kept in the daily log book that includes the following

information:

- (1) the name and signature of person that conducted the inspection;
- (2) the date and time of the inspection;
- (3) a list of any deficiencies discovered;
- (4) any recommendations for action; and
- (5) the date, time and description of actions taken.

21.0 Complaints

21.1 If at any time the Owner receives complaints regarding the operation of the Site, the Owner shall respond to these complaints according to the following procedure:

- (1) The Owner shall record and number each complaint, either electronically or in a log book, and shall include the following information:
 - (a) the nature of the complaint;
 - (b) the name, address and the telephone number of the complainant if the complainant will provide this information; and
 - (c) the time and date of the complaint;
 - (d) weather conditions at the time of the complaint; and
 - (e) site operations being carried out at the time of the complaint.
- (2) The Owner shall inform the District Manager of the complaint forthwith.
- (3) The Owner shall initiate appropriate steps to determine all possible causes of the complaint, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant.
- (4) The Owner shall provide the District Manager with a report written within 1 week of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the recurrence of similar incidents.

22.0 Spill Prevention, Control & Countermeasures Plan

22.1 The Owner shall develop, implement and maintain a Spill Prevention, Control & Countermeasures Plan for the Site. The Spill Prevention, Control & Countermeasures Plan shall include, but not necessarily be limited to, the following:

- (1) emergency response procedures to be undertaken in the event of a spill or process upset,

including specific clean-up methods for each different type of waste the Site is approved to accept;

- (2) a list of equipment and spill clean-up materials available in case of an emergency;
- (3) contingency procedures to be followed in the event of equipment malfunction, a labour disruption, transportation disruption, inability of receiving sites to accept waste or other business disruption to the operation; and
- (4) notification protocol with names and telephone numbers of persons to be contacted, including persons responsible for the Site, the Ministry's District Office and Spills Action Centre, the local municipal fire department, the local municipal authority, the local Medical Officer of Health, the Ministry of Labour, and the names and telephone numbers of waste management companies available for emergency response.

22.2 No later than 6 months from the date of issuance of this Approval, the Owner shall provide a copy of the Spill Prevention, Control & Countermeasures Plan to the local municipality and the District Manager. A copy of the Spill Prevention, Control & Countermeasures Plan shall be kept on-site on the exterior of the building/Site in a secure manner that provides 24-hour access to response personnel.

22.3 The Owner shall review the Spill Prevention, Control & Countermeasures Plan on an annual basis as a minimum, and shall ensure that the names and telephone numbers of the persons to be contacted as required under Condition 22.1(4) are up-to-date, and that these numbers are prominently displayed and immediately available to all staff and emergency response personnel.

22.4 The District Manager shall be notified within 30 days of any major changes to the Spill Prevention, Control & Countermeasures Plan.

22.5 The equipment, materials and personnel requirements outlined in the Spill Prevention, Control & Countermeasures Plan are required to be kept on Site and shall be immediately available on the Site at all times. The equipment shall be kept in a good state of repair and in a fully operational condition.

22.6 The Owner shall promptly take all necessary steps to contain and clean up any spills or upsets which result from this operation. All spills and upsets shall be recorded in a written log or an electronic file format, as to the nature of the spill or upset, and action taken for clean-up, correction and prevention of future occurrences.

22.7 All spills, as defined in the EPA, shall be immediately reported to the Ministry's Spill Action Centre at 1-800-268-6060 and to the local municipal authority.

23.0 Fire Safety Plan

23.1 No later than 3 months from the date of issuance of this Approval the Owner shall prepare and

submit a Fire Safety Plan to the local fire service authority. In addition to any other information required by the local fire service authority, this Fire Safety Plan shall include a plan to deal with contaminated water generated as the result of fire suppression.

23.2 No later than 10 days after receiving written concurrence/approval for the Fire Safety Plan from the local fire service authority, the Owner shall submit a copy to the District Manager.

24.0 Training

24.1 No later than 6 months from the date of issuance of this Approval, a training plan specific to the Site shall be developed and implemented to ensure that all employees that operate the Site or carry out any activity required under this Approval are trained in its operation.

24.2 The training plan shall require and ensure through proper written records that all persons directly involved with activities relating to the Site have been trained with respect to:

- (1) relevant waste management legislation, regulations and guidelines;
- (2) major environmental concerns pertaining to the waste to be handled;
- (3) occupational health and safety concerns pertaining to the processes and wastes to be handled;
- (4) management procedures including the use and operation of equipment for the processes and wastes to be handled, the procedures manual and the Design and Operations Report;
- (5) the Spill Prevention, Control & Countermeasures Plan and in the procedures to be employed in the event of an emergency;
- (6) the Fire Safety Plan;
- (7) specific written procedures for refusal of unacceptable waste loads;
- (8) contingency procedures;
- (9) specific written procedures for the control of nuisance conditions; and
- (10) the requirements of this Approval.

24.3 The Owner shall maintain a written record of training at the Site which includes:

- (1) date of training;
- (2) the name and signature of the person who has been trained; and

(3) description of the training provided.

24.4 The Owner shall ensure that Trained personnel is/are on duty at all times when the Site is open to carry out any activity required under this Approval.

25.0 Record Keeping

25.1 The Owner shall maintain a daily record either electronically or in a log book, with a duplicate copy to be kept at another location as a backup, which shall include the following information:

- (1) the type, date and time of arrival, source, and quantity of all waste received at the Site on each operating day;
- (2) the date, type, quantity and destination of all residual waste and processed waste transferred from the Site on each operating day;
- (3) the date, type and quantity of all effluent discharged through the wastewater treatment system on each operating day;
- (4) all analytical records required under Condition 12.3 above;
- (3) a record of any waste refusals, which shall include: the amount of waste refused; identification of the waste generator/hauler; reasons for refusal; and actions taken;
- (5) a running total of the total quantity of all unprocessed, in-process, processed and residual waste on-site at any one time;
- (6) a record of the daily inspections required by Condition 20 above; and
- (7) a record of any spills or process upsets at the site, the nature of the spill or process upset and the action taken for the clean-up or correction of the spill, the time and date of the spill or process upset, and for spills, the time that the Ministry and other persons were notified of the spill in fulfilment of the reporting requirements in the EPA.

26.0 Annual Report

26.1 On March 31, 2019, the Owner shall prepare and retain on Site a written report which covers the previous year of operation. Thereafter, by March 31 on an annual basis, the Owner shall prepare and retain on Site a written annual report for the previous calendar year. The report shall include, at a minimum, the following information:

- (1) a detailed monthly summary of the information required by Condition 25 including an annualized reconciliation between all wastes received and processed at the Site and all residual wastes and processed wastes transferred from the Site;

- (2) a summary of waste loads refused including the generator of the load, the licensed hauler of the load if the generator can not be determined, the date of refusal and reason for refusal of the load;
- (3) any environmental and operational problems, that are likely to negatively impact the environment, encountered during the operation of the Site and during the facility inspections and any mitigative actions taken;
- (4) a summary of complaints received and the actions taken to mitigate the issue associated with the complaint;
- (5) any recommendations to minimize environmental impacts from the operation of the Site and to improve Site operations and monitoring programs in this regard.

27.0 Closure Plan

- 27.1 (1) Four (4) months prior to the permanent closure of the Site the Owner shall submit to the District Manager written notification of the decision to cease activities and a schedule for the implementation of all decommissioning activities to be undertaken.
- (2) Within ten (10) days after closure of the Site, the Owner shall notify the Director and the District Manager, in writing, that the Site is closed and that the decommissioning activities have been completed.

Schedule "A"

The following Schedule forms a part of this Approval:

1. Application for an amendment to Certificate of Approval for a Waste Disposal Site (transfer) No. A140220, dated August 12, 1996 from Lang Environmental Inc.
2. Letter dated November 12, 1996 from Marco Dalla Nora, Quantex Technologies Inc., to Lee Van Biesbrouck, Ministry of Environment and Energy, re: name and ownership change of Lang Environmental Inc.
3. Application for a Certificate of Approval for a Waste Disposal Site (processing) dated November 25, 1996 from Quantex Environmental Inc.
4. Documentation, maps and supplementary information received January 8, 1997 from Quantex Technologies Inc., re: consolidation of Quantex operations at 260 Shoemaker St., Kitchener.
5. Letter dated April 4, 1997 from Marco Dalla Nora, Quantex to Stephen Rouleau, Ministry of Environment and Energy, re: review of application.
6. Application for a Certificate of Approval for a Waste Disposal Site dated July 11, 2007, signed by Marco Dalla Nora, and submitted by Quantex Technologies Inc, including the following supporting documentation: (1) letter dated July 11, 2007 from Marco Dalla Nora, Quantex Technologies Inc. containing the list of the properties notified of the proposal and a request to test new wastewater treatment technologies; (2) drawing entitled "Site Layout".
7. Letter dated October 29, 2007 from Marco Dalla Nora, Quantex Technologies Inc. to Margaret Wojcik, Ontario Ministry of the Environment, to provide the additional description of the proposed Pilot Study to test new wastewater treatment technologies.
8. Email dated February 29, 2008 (8:53 a.m.) from Marco Dalla Nora, Quantex Technologies Inc. to Margaret Wojcik, Ontario Ministry of the Environment, revising the proposal to request approval of the wastewater treatment equipment, to provide a maximum processing rate through the proposed wastewater treatment equipment and to include the document entitled "Water Treatment Development Program" prepared by TAF Industrial Consulting and dated February 8, 2008.
9. Letter dated April 29, 2008 from Marco Dalla Nora, Quantex Technologies Inc. to Margaret Wojcik, Ontario Ministry of the Environment, to provide the additional description of the proposed Pilot Study to test sparging/absorption/adsorption technologies and to submit drawing No. 001 entitled "Processing Room Piping Lines" showing the location of the wastewater treatment equipment.
10. Revised document entitled "Water Treatment Development Program" prepared by TAF Industrial Consulting and dated March 19, 2008.

11. Email dated May 20, 2008 (2:48 p.m.) from Marco Dalla Nora, Quantex Technologies Inc. to Margaret Wojcik, Ontario Ministry of the Environment, providing additional description of handling of the exhaust from the wastewater treatment equipment.
12. Application for a Certificate of Approval for a Waste Disposal Site dated July 30, 2009, signed by Marco Dalla Nora, Quantex Technologies Inc, including the following supporting documentation: (1) proof of legal name; (2) record of public consultation; (3) letter of consent from land owner; (4) site plan/location; (5) Section 5a of the "Design and Operation Report".
13. Letter dated November 30, 2009, from Jon Arkell, Quantex Technologies Inc., to Margaret Wojcik, Ontario Ministry of the Environment, requesting inclusion of the condition dealing with chlorinated solvents destined for Holcim (Canada) Inc. site located at 2391 Lakeshore Road West, Mississauga, Ontario.
14. Letter dated December 12, 2012 from Marco Dalla Nora, Quantex Technologies Inc., to Andrew Neill, Ministry of the Environment, with additional information on: (1) waste processing and characterization; (2) water treatment protocol SOPIT; (3) testing procedures.
15. Environmental Compliance Approval application dated May 20, 2014, including all supporting documentation.
16. Letter dated December 2, 2014 from Marco Dalla Nora, Quantex Technologies Inc., to Andrew Neill, P.Eng., MOECC, indicating: (1) the plasma arc/whirl unit will not be added at this time; (2) wastewater discharge objectives; (3) dissolved air floatation is a polishing step; (4) natural gas will be used to fuel the evaporator, the evaporator feed will be air stripped (flows through existing biofilter) and the only contaminant that will be added is water vapour; and (5) possible concentrate handling options.
17. Email dated April 29, 2015 from Marco Dalla Nora, Quantex Technologies Inc., to Andrew Neill, P.Eng., MOECC, indicating: (1) waters to be evaporated have been air stripped and treated to remove heavy metals; (2) the worst case scenario in the air application was developed assuming all contaminants would not be captured by the biofilter and released to the atmosphere, as described in the attached April 15, 2015 letter from Martin Adomait, P.Eng., Adomait Environmental Solutions.
18. Environmental Compliance Approval application dated May 25, 2016 including all supporting documentation.
19. Email dated December 2, 2016 from Marco Dalla Nora, Quantex Technologies Inc., to Andrew Neill, P.Eng., MOECC, with information on narcotics disposal and spill containment.
20. Email dated December 12, 2016 from Marco Dalla Nora, Quantex Environmental Inc., to Andrew Neill, P.Eng., MOECC, with an attached Corporation Profile Report identifying the name of the company as "Quantex Environmental Inc."
21. Environmental Compliance Approval application dated May 19, 2017 including all supporting documentation.

22. Document entitled "Safe Management of Biomedical Waste" included with the email dated December 18, 2017 from Edward Vago, Quantex Environmental Inc., to Andrew Neill, P.Eng., MOECC, with additional details on biomedical waste handling.
23. Environmental Compliance Approval application dated July 10, 2019 including all supporting documentation.
24. Email dated November 25, 2019 from Ed Vago , Covanta Environmental Solutions Ontario, Inc., with additional information on emissions abatement in place at the site and spill containment.
25. Email dated December 5, 2019 from Ed Vago , Covanta Environmental Solutions Ontario, Inc., with spill containment calculations.
26. Email dated April 1, 2020 from Ed Vago , Covanta Environmental Solutions Ontario, Inc., with current, interim and future storage plans and FA information.

Schedule "B"

The following Schedule forms a part of this Certificate:

Testing Requirements for Waste Classes listed in Condition 12.1(1)1 above (**transfer**):

| Material | Waste Classes | Physical Description & Odour | PCB ¹ | Flash Point | pH | Specific Gravity | Phase | Metals ² | Halogens ³ |
|------------------------------|---------------|------------------------------|------------------|-------------|----|------------------|-------|---------------------|-----------------------|
| Acids | 111-114 | X | | | X | X | X | X | |
| Alkaline | 121-123 | X | | | X | X | X | X | |
| Aqueous Salts | 131-135 | X | | X | X | X | X | X | |
| Misc. Organic | 145-150 | X | | X | X | X | X | X | |
| Non-halogenated Solvents | 211-213 | X | X | X | | X | X | | X |
| Fuels | 221-222 | X | X | X | | X | X | | X |
| Resins & Plastics | 231-233 | X | X | X | | X | X | | X |
| Halogenated Wastes | 241-242 | X | X | X | | X | X | | X |
| Misc. Organic & Mixed Wastes | 251-270 | X | X | X | | X | X | | X |
| Processed Organic | 261-262 | X | X | X | | X | X | | X |

PCB¹ - to be performed when the material comes from equipment potentially contaminated with PCBs including transformers or fluorescent light ballasts, from a site known to be contaminated with PCBs, or when PCB contamination is otherwise suspected

Metals² - as required for intended bulking or blending processes

Halogens³ - to be performed when material is to be bulked or blended for incineration

Schedule "C"

The following Schedule forms a part of this Certificate:

Testing Requirements for Waste Classes listed in Condition 12.1(1)1 above (**processing**):

| Parameter | Profile "1" | Incoming "2" | Oil for Recycling | Product Oil | Effluent "5" |
|------------------|----------------|----------------|-------------------|----------------|----------------|
| PCB | X ^c | X ^c | X ^c | X ^c | |
| Halogen | X | | X | | |
| BS&W | X | X | X | X | |
| Flash Point | X | X | X | X | |
| pH | X | X | X | X | X |
| Conductivity | X | X | | | X |
| Viscosity | X | | X | X | |
| Specific Gravity | X | X | X | X | X |
| Refractive Index | X | X | | | X |
| Suspended Solids | | | | | X |
| Particle Count | | | | X | |
| Oil & Grease | | | | | X ^b |
| % Volatiles | | | | X | |
| Phenol | X ^a | | | | X ^b |
| Cadmium | X ^a | | | X | X ^b |
| Chromium | X | X | | X | X |
| Copper | X | X | | | X |
| Iron | X | X | | | X |
| Lead | X | | | X | X ^b |
| Nickel | X | X | | | X |
| Zinc | X | X | | | X |
| Ash | | | | X | |
| Filterability | | | | X | |
| Appearance | X | | | X | X |
| Colour Index | X | | | X | X |

X^a - analysed after acceptance

X^b - to be done on a weekly composite

X^c - to be performed when the material comes from equipment potentially contaminated with PCBs including transformers or fluorescent light ballasts, from a site known to be contaminated with PCBs, or when PCB contamination is otherwise suspected

Schedule "D1"

The following Schedule forms a part of this Certificate:

| Building 1 | | | | |
|--|--|---------------|----------------------|------------------------|
| | Unit # | Number | Size (litres) | Volume (litres) |
| Processing, Treatment and Storage | | | | |
| processing tanks | 10,11,12,13 | 4 | 40,000 | 160,000 |
| processing tanks | 15,16,17,18 | 4 | 18,000 | 72,000 |
| processing tanks | 19,20,21 | 3 | 30,000 | 90,000 |
| Vac-Tank | VT-1 | 1 | 4000 | 4,000 |
| storage tank | 1 | 1 | 46,000 | 46,000 |
| storage tank | 2 | 1 | 30,000 | 30,000 |
| storage tank | 3 | 1 | 18,000 | 22,000 |
| | | | | |
| total | | | | 424,000 |
| Small containers | | | | |
| Waste Class Nos. 111-114, 121-123, 131-135, 141-150, 211-213, 221, 222, 231-233, 241, 242, 251-254, 261-270, 281, 282, 311 and 331 | drums, totes and other containers suitable for holding waste without leaking or breaking during storage and handling | 416 | 205 | 85,280 |
| | | | | |
| Acids | | | | |
| dilute sulphuric acid | Acid 1 | 1 | 17,000 | 17,000 |
| acid as assigned | Acid 2 | 1 | 17000 | 17,000 |
| | | | | |
| Solids | | | | |
| bulk non-hazardous solids | Nhaz-1 | 1 | 12,000 | 12,000 |
| bulk hazardous | Haz-1 | 1 | 15,000 | 15,000 |

| | | | | |
|---|------|---|--------|--------|
| solids | | | | |
| | | | | |
| Biofilter (not included in waste storage totals) | | | | |
| BioRem filter tank | BF-1 | 1 | 16,000 | 16,000 |
| | | | | |
| | | | | |

| Building 2 | | | | |
|---|---|---------------|-------------|---------------------------------|
| | Unit # | Number | Size | Volume (litres) |
| Below Grade Containment Cells (Lane 1 and Lane 2) | Lane 1 and Lane 2 | 2 | variable | 90,000 |
| Storage Cages (Cage 1, Cage 2, Cage 3 and Vault) | Cage 1, Cage 2, Cage 3 and Vault | 4 | variable | 136,000 |
| Storage for biomedical waste | in Area A | variable | variable | 10,000 |
| General storage cages for non-hazardous and hazardous waste | Area A | variable | variable | 130,000 |
| Processed non-hazardous solids | compactor bin, dump trailer, walking floor or push trailers | variable | variable | 40,000 |
| Processed hazardous solids | roll-off or lugger | variable | variable | 20,000 |
| Liquid storage tank | 16 | 1 | 24,600 | 24,600 |
| Outdoor Storage (temporary storage only) | covered containers with or without wheels | variable | variable | 50,000 (temporary storage only) |

Schedule "D2"

The following Schedule forms a part of this Certificate:

| Building 1 | | | | |
|--|--|---------------|----------------------|------------------------|
| | Unit # | Number | Size (litres) | Volume (litres) |
| Processing, Treatment and Storage | | | | |
| oil tank | 1 | 1 | 46,000 | 46,000 |
| LDI tank | 2 | 1 | 30,000 | 30,000 |
| LDI tank | 3 | 1 | 22,000 | 22,000 |
| unloading tank | 4 and 5 | 2 | 40,000 | 80,000 |
| oily water tank | 6 and 7 | 2 | 40,000 | 80,000 |
| treatment tank | 8 and 9 | 2 | 22,000 | 44,000 |
| sludge tank | 10 | 1 | 22,000 | 22,000 |
| holding tanks | 11 and 12 | 2 | 30,000 | 60,000 |
| Future Tanks | TBD | 2 | 45,000 | 90,000 |
| vac-tank | 13 | 1 | 4,000 | 4,000 |
| TOTAL | | | | 478,000 |
| Small containers | | | | |
| Waste Class Nos. 111-114, 121-123, 131-135, 141-150, 211-213, 221, 222, 231-233, 241, 242, 251-254, 261-270, 281, 282, 311 and 331 | drums, totes and other containers suitable for holding waste without leaking or breaking during storage and handling | 550 | 205 | 112,750 |
| Acids | | | | |
| dilute sulphuric acid | 14 | 1 | 17,000 | 17,000 |
| acid as assigned | 15 | 1 | 17,000 | 17,000 |
| TOTAL | | | | 34,000 |
| Solids | | | | |
| Bulk | Nhaz-1 | 1 | 12,000 | 12,000 |

| | | | | |
|---|-------|---|--------|---------------|
| non-hazardous solids | | | | |
| Bulk hazardous solids | Haz-1 | 1 | 15,000 | 15,000 |
| TOTAL | | | | 27,000 |
| Biofilter (not included in waste storage totals) | | | | |
| BioRem filter tank | BF-1 | 1 | 16,000 | 16,000 |
| | | | | |
| | | | | |

| Building 2 | | | | |
|---|--|---------------|-------------|------------------------|
| | Unit # | Number | Size | Volume (litres) |
| Below Grade Containment Cells (Lane 1 and Lane 2) | drums, totes and other containers suitable for holding waste without leaking or breaking during storage and handling | 2 | variable | 90,000 |
| Storage Cages (Cage 1, Cage 2, Cage 3 and Vault) | drums, totes and other containers suitable for holding waste without leaking or breaking during storage and handling | 4 | variable | 136,000 |
| Deluge Tank (#5) | plastic or metal tank suitable for holding waste without leaking or breaking during storage | 1 | 17,000 | 17,000 |
| Mixing and storage tanks (#6 and #7) | Plastic or metal tanks suitable for holding waste without leaking or breaking during | 2 | 30,000 | 60,000 |

| | | | | |
|--|--|----------|----------|---------|
| | mixing and storage | | | |
| Storage for Biomedical Waste | Consisting of drums, totes, pails, jugs and other containers suitable for holding waste without leaking or breaking during transit, handling and storage | 1 | 60,000 | 60,000 |
| Storage for flammable liquids (Area C) | drums, totes and other containers suitable for holding waste without leaking or breaking during storage and handling | 1 | 50,000 | 50,000 |
| Storage Cages (Area A and Area B) | drums, totes and other containers suitable for holding waste without leaking or breaking during storage and handling | variable | variable | 450,000 |
| Processed Non-Hazardous Solids (Compactor bin, dump trailer, walking floor, push trailers) | covered containers with or without wheels | variable | variable | 60,000 |
| Processed hazardous solids (roll-off or lugger) | covered containers with or without wheels | variable | variable | 25,000 |
| Solidification pits (Pit 1 and Pit 2) | double-walled concrete pits | 2 | variable | 225,000 |
| LDI Storage Tank | stationary, double-walled poly tank capable of containing waste without leaking or breaking during processing or | 1 | 24,600 | 24,600 |

| | | | | |
|---|---|----------|----------|---------------------------------------|
| | storage | | | |
| Outdoor Storage (in the rear yard, temporary storage only) | covered containers with or without wheels | variable | variable | 54,000 (temporary storage only) |

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

1. The reason for the definitions section is to simplify the wording of the subsequent conditions and define the specific meaning of terms as used in this Approval.
2. The reason for Conditions 1.0, 3.0, 4.0 and 5.0 is to clarify the legal rights and responsibilities of the Owner.
3. The reason for Condition 2.1 is to ensure that the Site is built and operated in the manner in which it was described for review and upon which approval was granted, in accordance with the application and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.
4. The reasons for Condition 6.1 are to ensure that the Site is operated under the corporate name which appears on the application form submitted for this approval and to ensure that the Director is informed of any changes.
5. The reasons for Condition 6.2 are to restrict potential transfer or encumbrance of the Site without the approval of the Director and to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.
6. The reason for Condition 7.0 is to ensure that sufficient funds are available to the Ministry to clean up the Site in the event that the Owner is unable or unwilling to do so.
7. The reason for Condition 8.0 is to ensure that appropriate Ministry staff have ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA, OWRA and PA.
8. The reason for Condition 10.1 is to specify the approved service area from which waste may be accepted at the Site.
9. The reason for Condition 10.2 is to specify the hours of operation for the Site.
10. The reason for Condition 11.1 is to ensure that users of the Site are fully aware of important information and restrictions related to Site operations and access under this Approval.
11. The reason for Condition 11.2 is to ensure the controlled access and integrity of the Site by

preventing unauthorized access when the Site is closed and no site attendant is on duty.

12. The reasons for Conditions 12.1, 12.5, 12.6, 13.0, 14.0 and 15.0 are to specify the types of waste that may be accepted at the Site, the manner in which that can be managed, the maximum amounts of waste that may be stored at the Site, the maximum rate at which the Site may receive and ship waste, the allowable methods of waste storage, and the allowable methods of processing based on the Owner's application and supporting documentation.
13. The reason for Conditions 12.2, 12.3 and 12.4 is to ensure that all wastes received at the Site are properly identified and classified to ensure they are managed in accordance with Reg. 347 and in a manner that protects the health and safety of people and the environment.
14. The reason for Conditions 16.1, 16.2 and 17.0 is to ensure that an updated procedures manual, preventative maintenance manual and Design and Operations report governing all significant aspects of the waste management operation are prepared, implemented and kept up-to-date by the Owner and made available to the Ministry.
15. The reason for Condition 16.3 is to allow the beneficial reuse of certain wastes on-site as part of the preventative maintenance program, cleaning and spot repairs.
16. The reason for Conditions 18.0 is to ensure that the Site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of people and the environment.
17. The reason for Condition 20.0 is to ensure that inspections of all Site grounds and infrastructure are carried out on a regular basis, and that detailed records of Site inspections are recorded and maintained for compliance and information purposes.
18. The reason for Condition 21.0 is to ensure that any complaints regarding Site operations at the Site are responded to in a timely manner.
19. The reasons for Conditions 22.0 and 23.0 are to ensure that a Spill Prevention, Control & Countermeasures Plan and Fire Safety Plan are developed and maintained at the Site, and that staff are properly trained in the operation of the equipment used at the Site and emergency response procedures.
20. The reason for Condition 24.0 is to ensure that the Site is operated by properly Trained staff in a manner which does not result in a hazard or nuisance to people or the environment.
21. The reason for Condition 25.0 is to provide for the proper assessment of effectiveness and efficiency of site design and operation, their effect or relationship to any nuisance or environmental impacts, and the occurrence of any public complaints or concerns. Record keeping is necessary to determine compliance with this Approval, the EPA and its regulations.
22. The reason for Condition 26.0 is to ensure that regular review of site development, operations and monitoring data is documented and any possible improvements to site design, operations or

monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of site design.

23. The reason for Condition 27.0 is to ensure that the Site is closed in accordance with Ministry standards and to protect the health and safety of the public and the environment.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A650133 issued on June 7, 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*
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 12th day of June, 2020



Mohsen Keyvani, P.Eng.

Director

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

AN/

c: District Manager, MECP Guelph

Edward Vago, Covanta Environmental Solutions Ontario, Inc.