

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A461303

Issue Date: June 28, 2023

City of Ottawa
4475 Trail Rd
Ottawa, Ontario
K0A 2Z0

Site Location: Trail Road Waste Facility
4475 Trail Rd Rural Road No. 2
Ottawa City,
K0A 2Z0

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 (Landfill/Processing/Transfer), being known as the Trail Waste Facility Landfill Site having a maximum landfiling capacity of **16,988,442** cubic metres*

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

- " **Adverse Effect** " means the same as the definition in the EPA;
- " **Anniversary Date** " means the date on which waste is first received at the Site;
- " **Crown** " means Her Majesty the Queen in the Right of Ontario;
- " **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 Environmental Protection Act, R.S.O. 1990, c. E. 19, as amended;
- " **Environmental Compliance Approval** " or "**ECA**" or "**Approval**" means this entire provisional Environmental Compliance Approval document, issued in accordance with Section 20.2 of the EPA, and includes any schedules to it, the application and the supporting documentation listed in schedule "A";
- "**Liquid Soil**" is as defined in O. Reg 406/19.
- "**MECP**" means the Ontario Ministry of the Environment, Conservation and Parks.
- " **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 and includes its successors or assigns;
- "**O. Reg. 406/19**" means Ontario Regulation 406/19, entitled "On-Site and Excess Soil Management" made under the EPA, as amended;
- " **Owner** " means any person that is responsible for the establishment or operation of

the site being approved by this ECA, and includes the City of Ottawa, 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.

"**Qualified Person**" has the same meaning as defined in O. Reg 406/19.

" **Regional Director** " means the Regional Director of the local Regional Office of the Ministry in which the Site is located.

" **Regulation 101** " or " **Reg. 101** " means Ontario Regulation 101/94 made under the EPA, as amended from time to time;

" **Regulation 232** " or " **Reg. 232** " means Ontario Regulation 232/98 (Landfill Standards) made under the EPA, as amended from time to time;

" **Regulation 347** " or " **Reg. 347** " means Regulation 347, R.R.O. 1990, made under the EPA, as amended from time to time;

" **Regulation 558** " or " **Reg. 558** " means Ontario Regulation 558/00 made under the EPA, as amended from time to time;

" **Site** " means the entire waste disposal site approved by this Approval, legally described as part of Lot 7, 8, 9, 10, and 11, Concession IV, Rideau Front, City of Ottawa, and includes the landfill, the buffer lands and the Soil Management Facility located at 4475 Trail Road (PIN 045920002), 4460 Trail Road (PIN 045920001), 4384 Cambrian Road West (PIN 045950037) in the City of Ottawa.

"**Soil Management Facility**" means the two additional Site areas located at 4460 Trail Road and 4384 Cambrian Road West respectively, used for the acceptance and management of Excess Soil approved by this ECA.

"**Soil Rules**" means the MECP document entitled "Rules for Soil Management and Excess Soil Quality Standards" dated 2020.

" **Source Site** " means the source of the incoming Excess Soil;

"**Trained personnel**" means knowledgeable in the following through instruction and/or practice:

- a. relevant waste management legislation, regulations and guidelines;
- b. major environmental concerns pertaining to the waste to be handled;
- c. occupational health and safety concerns pertaining to the processes and wastes to be handled;
- d. management procedures including the use and operation of equipment for the processes and wastes to be handled;
- e. emergency response procedures;
- f. specific written procedures for the control of nuisance conditions;
- g. specific written procedures for refusal of unacceptable waste loads;
- h. the requirements of this ECA.

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

TERMS AND CONDITIONS

Compliance

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Site is notified of the ECA and the conditions herein and shall take all reasonable measures to ensure the 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 ECA .

In Accordance

1.3 Except as otherwise provided for in this ECA , the Site shall be designed, developed, constructed, operated and maintained in accordance with the application for this ECA , and the supporting documentation listed in Schedule "A".

Other Legal Obligations

1.4 The issuance of, and compliance with, this ECA does not:

- a. relieve any person of any obligation to comply with any provision of the EPA or any other applicable statute, regulation or other legal requirement; or
- b. limit in any way the authority of the Ministry to require certain steps be taken or to request that any further information related to compliance with this ECA be provided to the Ministry ;

unless a provision of this ECA specifically refers to the other requirement or authority and clearly states that the other requirement or authority is to be replaced or limited by this ECA .

Adverse Effect

1.5 The Owner or Operator remain responsible for any contravention of any other condition of this ECA or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect or impairment of air and/or water quality.

Furnish Information

1.6 Any information requested by the Director or a Provincial Officer concerning the Site and its operation under this ECA , including but not limited to any records required to be kept by this ECA shall be provided in a timely manner.

1.7 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 ECA or under any statute, regulation or subordinate legal instrument, in relation to the information, shall not be construed as:

- i. an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any condition of this ECA or any statute, regulation or other subordinate legal requirement; or
- ii. acceptance by the Ministry of the information's completeness or accuracy.

1.8 Any information related to this ECA 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, RSO 1990, CF-31.

Interpretation

1.9 This ECA revokes and replaces the previous Certificate of Approval and all subsequent amendments.

1.10 Where there is a conflict between a provision of any document, including the application, referred to in this ECA , and the conditions of this ECA, the conditions in this ECA shall take precedence.

1.11 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 in writing .

1.12 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.

1.13 The conditions of this ECA are severable. If any condition of this ECA , or the application of any condition of this ECA to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this ECA shall not be affected thereby.

Certificate of Requirement

1.14 Pursuant to Section 197 of the EPA , no person having an interest in the Site shall deal with the Site in any way without first giving a copy of this ECA to each person acquiring an interest in the Site as a result of the dealing.

1.15 Two copies of a completed Certificate of Requirement, containing a registerable description of the land for the Soil Management Facility, shall be submitted to the Director for the Director's signature within sixty (60) calendar days of the date of this ECA.

1.16 The Certificate of Requirement shall be registered in the appropriate land registry office on title to the Site and a duplicate registered copy shall be submitted to the Director within ten(10) calendar days of receiving the Certificate of Requirement signed by the Director .

No Transfer or Encumbrance

1.17 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 is satisfied with the

arrangements made to ensure that all conditions of this ECA will be carried out and that sufficient financial assurance is deposited with the Ministry to ensure that these conditions will be carried out.

Change of Owner

1.18 The Owner shall notify the Director , in writing, and forward a copy of the notification to the District Manager , within 30 days of the occurrence of any changes in the following information:

- i. the ownership of the Site ;
- ii. the Operator of the Site ;
- iii. the address of the Owner or Operator ;
- iv. the partners, where the Owner or Operator 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;
- v. the name of the corporation where the Owner or Operator 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.

1.19 In the event of any change in the ownership of the Site, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this ECA , and a copy of such notice shall be forward to the Director and District Manager .

Inspections

1.20 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 ECA relates, and without limiting the foregoing:

- i. to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this ECA are kept;
- ii. to have access to, inspect, and copy any records required to be kept by the conditions of this ECA ;
- iii. to inspect the Site, related equipment and appurtenances;

- iv. to inspect the practices, procedures, or operations required by the conditions of this ECA ; and
 - v. to sample and monitor for the purposes of assessing compliance with the terms and conditions of this ECA or the EPA , the OWRA or the PA .
- (applicable terms and conditions pasted in or entered by Reviewer)

2.0 PUBLIC LIAISON COMMITTEE

2.1 Upon issuance of the ECA, the Owner shall make a reasonable attempt to establish and maintain a Landfill Public Liaison Committee (PLC) to review and provide recommendations on annual operational and monitoring reports, landfill site protocols, and any other information which is pertinent to landfilling operations at the Site. These recommendations, along with any minority positions, shall be forwarded to the Owner for consideration.

2.2 The Owner shall not construe any recommendations provided by the PLC as supervisory, regulatory or an approval roles with respect to the operation of the Site.

2.3 The Owner shall maintain a list of current documents which govern the operation of the Site, including but not limited to those listed in Schedule "A" of this ECA.

2.4 The Owner shall upon request by the PLC, provide copies of records and documents in the Owner's possession relevant to the Site, except for records and documents that are protected by applicable freedom of information and protection of privacy legislation.

3.0 CONSTRUCTION, INSTALLATION and PLANNING

Stage Preparation Report

3.1 The Owner shall not commence landfilling in Stage 5 until a written report has been submitted to the Director and District Manager documenting all construction, QA/QC activities and procedures, and confirming that the Site conditions and details of the construction of the fill area are in accordance with the approved design plans and specifications.

Major Works

3.2 For the purposes of this ECA the following are considered Major Works:

- a. gas management system;

- b. leachate collection system;
- c. final cover

3.3 A final detailed design shall be prepared for each Major Work to be constructed at the Site consistent with the conceptual design of the Site as presented in the Supporting Documentation in Schedule "A".

3.4 The final detailed design of each Major Work shall include the following:

- a. design drawings and specifications;
- b. a detailed quality assurance / quality control (QA/QC) program for construction of the major work, including necessary precautions to avoid disturbance to the underlying soils; and
- c. details on the monitoring, maintenance, repair and replacement of the engineered components of the major work, if any.

3.5 Any design optimization or modification that is inconsistent with the conceptual design shall be clearly identified, along with an explanation of the reasons for the change.

3.6 The final detailed design of each Major Work shall be submitted to the Director and copied to the District Manager.

3.7 Each major work shall be constructed in accordance with the approved final detailed design and the QA/QC procedures shall be implemented as proposed by the Owner. Any significant variances from the conceptual design for the Site shall be subject to approval by the Director.

3.8 As-built drawings for all Major Works shall be retained on site and made available to Ministry staff for inspection.

3.9 The detailed design for the Stages 3 and 4 landfill gas collection system, in accordance with Items 86 to 88 in Schedule "A", is hereby approved.

4.0 GENERAL OPERATIONS

Proper Operation

4.1 The Site shall be properly operated and maintained at all times. All waste shall be managed and disposed of in accordance with the EPA and Regulation 347 and the requirements of this ECA. At no time shall the discharge of a contaminant that causes or is likely to cause an Adverse Effect be permitted.

Operations Manual

4.2 The Owner shall ensure the operations and procedures manual for the the Site includes discussions on the following items.:

- a. Health and safety;
- b. Operation and maintenance of the site;
- c. Waste acceptance;
- d. Waste disposal area and development;
- e. Nuisance management;
- f. Leachate management;
- g. Landfill gas management;
- h. Surface water/Storm water management;
- i. Inspections and monitoring;
- j. Contingency plans and emergency procedures;
- k. Complaints; and,
- l. Reporting and record keeping.

4.3 The operations and procedures manual shall be:

- a. retained at the Site;
- b. reviewed on an annual basis and updated by the Owner as required; and
- c. be available for inspection by Ministry staff.

Hours of Operation

4.4 The operating hours for the Site are limited to:

- i. Monday, Tuesday, Thursday and Friday from 7:00 a.m. to 6:00 p.m.;
- ii. Wednesday from 7:00 a.m. to 9:00 p.m. during the period of April 15 to December 15, and from 7:00 a.m. to 6:00 p.m. the

rest of the year;

iii. Saturday from 8:00 a.m. to 4:00 p.m.; and

iv. Sunday from 8:00 a.m. to 3:00 p.m. during the period of April 15 to December 15.

4.5 With the prior written approval of the District Manager, the time periods may be extended to accommodate seasonal or unusual quantities of waste.

4.6 The Owner may provide limited hours of operation provided that the hours are posted at the landfill gate and that suitable notice is provided to the public of any change in operating hours.

4.7 Upon reasonable notice to the Director, contingency actions may take place outside normal hours of operation. Emergency response may occur at any time as required.

Signage

4.8 Signs shall be placed at the landfill Site entrance/exit indicating, at a minimum, the following:

- a. Name of the landfill and name of the Owner/Operator;
- b. MECP Environmental Compliance Approval Number;
- c. Days and hours of operation and public use;
- d. Contact telephone number at the City of Ottawa;
- e. Service Area for the Site;
- f. Types of waste accepted and prohibited;
- g. Overview of landfill complaints procedure, including a phone number for registering a complaint;
- h. Unauthorized entry is prohibited; and
- i. A warning against dumping wastes outside the Site.

4.9 Signs shall be posted and maintained along internal access roads to control, at a minimum, the following:

- a. vehicle speeds,
- b. vehicle turning movements, and
- c. vehicular access to the working face and other designated areas of the Site.

Access/Onsite Roads

4.10 Onsite roads shall be provided and maintained in a manner that vehicles hauling waste to and on the Site may travel readily and safely on any operating day. During winter months, when the Site is in operation, roads must be maintained to ensure safe

access to the landfill working face. Onsite roads must be clear of mud, ice and debris which may create hazardous conditions.

Site Supervision and Security

4.11 (1) No waste shall be received, landfilled or removed from the Site unless a site supervisor or attendant is present and supervises the operations during operating hours. The Site shall be closed when a site attendant is not present to supervise landfilling operations.

(2) During non-operating hours, the Owner shall ensure that the Site entrance and exit gates are locked and the Site is secured against access by unauthorized persons.

Waste Inspection Procedures

4.12 The Operator shall develop and implement a program to inspect waste to ensure that the waste is of a type approved for acceptance under this ECA.

Waste Inspection and Deposition

4.13 All loads of waste must be properly inspected by trained site personnel prior to acceptance at the Site and waste vehicles must be diverted to appropriate areas for waste disposal.

Litter Control:

4.14 The Owner shall take all practical steps to prevent escape of litter from the Site. The Owner shall inspect and collect litter from the Site on a weekly basis. All loose, windblown litter shall be collected and disposed of at the landfill working face.

Vermin, Scavenging, Dust, Litter, Odour, Noise, etc.

4.15 The Site shall be operated and maintained such that the vermin, vectors, dust, litter, odour, noise and traffic do not create a nuisance.

4.16 The Owner shall ensure that there is no scavenging (as defined in Reg. 347) at the Site. Controlled removal of reusable material from the Site may only occur in a designated and supervised area on the Site.

Dust

4.17 The Owner shall control fugitive dust emissions from on site sources including but not limited to on-site roads, stockpiled cover material and, closed landfill area prior to seeding especially during times of dry weather conditions. If necessary, major sources of dust shall be treated with water and/or dust suppression materials to minimize the overall dust emissions from the Site.

Noise

4.18 The Owner shall comply with noise criteria in MOE Guideline entitled "Noise Guidelines for Landfill Sites."

Spills

4.19 All spills and upsets shall be immediately reported to the Ministry's Spills Action Centre (SAC) and shall be recorded in a log as to the nature of the spill or upset, and the action taken for clean-up, correction and prevention of future occurrences.

Overall Surface Water Management

4.20 Surface water and stormwater shall be managed in accordance with

- i. the stormwater management plan in the Design and Operations Report (Section 4.11 and 6.2 in Item 32 in Schedule "A"); and
- ii. the Environmental Compliance Approval issued under Section 53 (Sewage Works) of the OWRA issued for the stormwater management system for the Site.

4.21 Stormwater runoff generated from the active waste fill area shall be considered contaminated and treated as leachate. Operational methods shall ensure that any precipitation falling onto active waste fill areas, not under final cover, shall be directed to the leachate collection system. .

Landfill Gas

4.22 All buildings are to be free of any landfill gas accumulation. The Owner shall provide adequate ventilation systems to relieve landfill gas accumulations in buildings if necessary.

Dewatering Pond

4.23 The Owner must maintain the invert elevation of the outlet culvert in the dewatering pond at 93.6 metres, as indicated on Figure 8 of the report entitled "Trail Road Landfill Site, 1984 Hydrogeology and Monitoring Report" (Item 1 in Schedule "A"). The Owner must submit an application for approval to the Director and obtain such approvals before making any changes to the installed facilities which would cause the water level in the dewatering pond to change.

Leachate Removal From Site

- 4.24 i. The Owner shall ensure all leachate removed from the site for disposal is transported by a licensed hauler.
- ii. The Owner shall ensure the leachate is being transported to an appropriate licensed facility for disposal.

4.25 (1) Prior to implementation of an on-site leachate treatment system at the site, the Owner shall submit to the Director for approval, with copies to the District Manager, an application to amend the ECA to incorporate the proposed system into the ECA. Items to be submitted with the application include but are not limited to the following:

- i. Design Brief;
- ii. Copy of Application of Approval (Sewage Works) for the system;
- iii. Design drawings;

(2) The Owner must receive approval by the Director prior to operating the system identified in Condition 4.25 (1).

5.0 LANDFILL OPERATIONS

Service Area

5.1. Wastes generated only from within the geographic boundaries of the **City of Ottawa** may be received for disposal at this Site. No waste shall be received for disposal at this Site from outside the approved service area.

Waste Types

5.2 Only the following waste shall be accepted at the Site:

- i. Only **solid non-hazardous municipal waste which includes** wastes generated by residential, commercial, institutional and industrial sectors, and contaminated fill; and
- ii. dewatered, digested and lime stabilized sewages from the Robert O. Pickard Environmental Centre. Stabilized sewage waste may be accepted in Stage 3, Stage 4 and Stage 5 for the co-disposal with waste provided that leachate from these Stages is being collected and re-circulated, treated on-site or transferred to an approved facility for off-site treatment.

5.3 Household hazardous waste (HHW) shall not be accepted at the Site, except HHW from a residential source, carried to the Site by the generator and immediately received by a hazardous waste carrier permitted through valid Environmental Compliance Approvals to receive and transport HHW.

5.4 All waste materials received by the HHW mobile hauler as identified in Condition 5.3 must be removed from the Site within 24 hours of receipt.

Unacceptable Waste

- 5.5 i. The Owner shall conduct appropriate inspections and ensure that appropriate controls are in place to prevent the acceptance of liquid industrial waste and hazardous waste and to prevent the acceptance of waste from outside the approved service area.
- ii. The Owner shall record in the daily records for the Site operations any occurrence of unacceptable waste delivered to the Site, the name of the waste hauler delivering the waste to the Site and waste generator (if known).
- iii. The Owner shall forthwith notify the District Manager of any and all waste load refusals at the Site related to requirements in this ECA, including service area and waste types.

Waste Fill Rate

5.6 The maximum rates at which this Site may receive waste are **1,800 tonnes per day** and **563,300 tonnes per calendar year**. Receipt of waste in excess of the daily maximum fill rate may only be allowed on a limited short-term basis, on no more than two consecutive operating days, and only with prior notification and concurrence from the District Manager.

Site Capacity

5.7 a. The total capacity of the Site is **16,988,442** cubic metres; and

b. The volume does not include the composite liner, and leachate collection system but does include final cover.

Stage Development

5.8 Waste Landfilling Operations shall proceed in the various stages in the following order:

- i. Stage 1;
- ii. Stage 2;
- iii. Stage 3;
- iv. Stage 4; and
- v. Stage 5.

Geosynthetic Clay Liner

5.9 The Geosynthetic Clay Liner (GCL) in the Stage 5 expansion fill area shall be placed to ensure the GCL is not damaged and to achieve a hydraulic conductivity of **1×10^{-10} cm/sec or less**, in addition to the design recommendations identified in Items 29 through 33 in Schedule "A".

5.10 As part of the GCL construction protocol, the Owner shall ensure that an inspector, under the direction of a suitably qualified geotechnical professional engineer, shall be on the Site full-time during construction of the site preparation and placement of the GCL. Responsibilities shall include but not be limited to maintaining the quality of the liner in terms of evaluating soil base preparation, suitability of GCL placement and installation, and to verify that the liner is placed according to the technical specifications.

Geomembrane

5.11 The geomembrane to be installed in the Stage 5 expansion fill area shall be made of 80 mil high density polyethylene (HDPE) and shall be installed in direct and uniform contact with the underlying GCL.

5.12 The geomembrane shall be protected against puncturing and load-induced damage at all times, including during installation. During installation, care shall also be taken to:

- a. remove wrinkles in the geomembrane;
- b. minimize stress concentration;
- c. ensure high quality seams;
- d. minimize differential settlement;
- e. minimize exposure to ultraviolet light;

- f. prevent damage due to sliding;
- g. prevent damage due to installation in cold conditions; and
- h. prevent damage due to rodents.

5.13 To ensure that the geosynthetic products specified in the design have been supplied and installed in accordance with the design drawings and specifications, a qualified inspector(s) shall be on the Site during construction to sample, test and confirm installation in accordance with the recommendations of the manufacturers, design drawings and specifications, and QA/QC procedures.

Geotechnical Inspection and Assessment

5.14 i. Excavation within and preparation of the foundation soils underlying Stage 5 and construction of the base liner of the leachate containment system in this stage shall be inspected by a suitably qualified geotechnical professional engineer to ensure that preparation and construction proceeds in accordance with approved detailed design plans, technical specifications and QA/QC activities and procedures.

ii. The results of inspections shall be included in the Site Preparation Report (Condition 89) for Stage 5.

iii. No landfilling of wastes shall occur on any portion of the liner and leachate collection system until the Director and District Manager have received the Site Preparation Report from the engineer indicating that the portion of the base liner of the leachate containment system has been constructed as required by this ECA.

5.15 During excavation for landfill base preparation, wells, boreholes, agricultural drains, or other possible groundwater conduits encountered in the excavation, shall be adequately mapped, and removed/over-excavated or sealed with appropriately engineered low permeability materials, as necessary, prior to liner construction and landfilling.

5.16 For landfilling in Stage 5, heavy equipment, such as the landfill compactor, shall not be allowed to pass over the composite liner and leachate collection system until at least 1.5 metres of waste has been placed over the leachate collection system and liner.

5.17 A thickness of at least 5 metres of compacted waste and cover material shall be maintained between any landfilled sludge (as identified in Condition 5.2(ii)) and the granular leachate collection layer.

Expansion Site Operations

5.18 i. Landfilling operations for the Site shall be conducted in accordance with the Design and Operations Report listed as Item 32 in Schedule "A".

ii. The Owner shall take all reasonable steps to prevent off-site nuisance impacts from landfill operations at the Site and shall take all reasonable steps to ensure that the Site

is inspected regularly by trained personnel for any situation which may cause an adverse effect, as defined in the EPA, and to ensure that the Site is being operated in accordance with this ECA.

5.19 i. The Owner shall implement control measures for dust, odour, litter, noise, vector and vermin in accordance with Sections 6.6 to 6.7 in the Design and Operations Report listed as Item 32 in Schedule "A".

ii. Effectiveness of the control measures shall be reviewed and monitored regularly and updated/revised, as required, based on operational experience and complaints.

Waste Placement

5.20 No waste shall be landfilled outside of the **limit of fill area** for the existing and expansion waste disposal fill areas as shown in Items 29 through 33 in Schedule "A" attached to this ECA.

5.21 No waste shall be landfilled below the **base grades** in Stage 5 as shown in Items 29 through 33 in Schedule "A" attached to this ECA.

5.22 i. No waste shall be landfilled at any time above the **final grades** as shown in Items 29 through 33 in Schedule "A" attached to this ECA; and

ii. Final slopes above grade at the time of Site closure within the waste fill area shall be within the range of 4H:1V (25%) and 20H:1V (5%).

5.23 The maximum height of the landfill expansion in Stage 1 through 4 shall be restricted to 130 mASL.

5.24 The underside for the Stage 5 landfill base (when stage is implemented) shall be no lower than 96.5 mASL or a minimum 1.5 meters above the highest water table at the lowest base elevation, whichever is at a higher elevation.

5.25 The maximum height of the landfill expansion in Stage 5 shall be restricted to 128 mASL.

5.26 No waste shall be landfilled in the buffer area.

Daily, Interim and Final Cover

5.27 Daily, interim and final cover material shall be applied as follows:

a. Daily Cover - By the end of each working day, the entire working face shall be compacted and covered with a minimum thickness of 150 mm of soil cover or an approved thickness of alternative cover material.

b. Interim Cover - In areas where landfilling has been temporarily discontinued for 3 months or more, a minimum thickness of 300 mm of soil cover or an approved thickness of alternative cover material shall be placed and vegetated, as required.

c. Final Cover shall be as follows:

- i. In areas where landfilling has reached final grades in Stages 1 through 4 as described in Condition 32, a minimum 750 mm of cover material which incorporates a low-permeable barrier as described in Item 32 in Schedule "A" and to be approved as required in Section 3.0 and Condition 16.1 shall be placed; and
- ii. In areas where landfilling has reached final grades in Stage 5 as described in Condition 5.22, a minimum 600 mm of permeable general cover material and 150 mm of top soil as described in Item 32 in Schedule "A" and to be approved as required in Section 3.0 and Condition 16.1 shall be placed.

5.28 The Owner shall conduct and document monthly inspections of the interim and final cover to ensure the integrity of the cover.

Alternative Daily and Interim Cover Material

5.29 Alternative materials to soil may be used as daily and interim cover material, based on approval by the Director via an amendment to the ECA.

5.30 (a) (i) Automobile Shredder Residue (ASR) is permitted for use as a daily cover material at the site. The owner shall collect representative samples of the ASR on a quarterly basis and submit for analysis for inorganics and PCBs. ASR applied as alternative daily cover shall conform with the specifications of a non-hazardous waste under Schedule 4, Ontario Regulation 347, as amended.

(ii) The frequency of Ontario Regulation 347 testing of the ASR may be reduced subject to approval of the District Manager.

(b) BiocoverTM is permitted for use as a alternative daily cover material at site. Detail operational procedure should be submitted within first 60 days of operation to District Manager.

(c) (i) The alternative daily cover material will be expected to perform at least as well as soil in relation to the following functions:

Control of blowing litter, odours, dust, landfill gas, gulls, vectors, vermin and fires;
Provision for an aesthetic condition of the landfill during the active life of the Site;
Compatibility with the design of the site for groundwater protection, leachate management and landfill gas management.

(ii) The Operator shall ensure that the material used as alternative daily cover, does not cause an adverse environmental effect. If any adverse effect is caused, the Operator shall immediately stop the use of such material and resume the use of other approved daily cover or clean soil.

Burning of Waste

5.31 Burning of waste is not permitted at the site.

Incoming Water Main Break Soils

5.32 The Owner is hereby permitted to store soils that are collected from the result of water main break repairs in accordance with Item 34 through 36 in Schedule "A".

5.33 The Owner shall collect soil samples from soils accepted at the Site under Condition 5.32, for laboratory analysis from the incoming material by the end of the following business day at the latest.

5.34 In the event the analytical results conducted under Condition 5.33 deem the soils not to be solid non-hazardous material, the Owner shall complete and ensure the following:

- i. separate the identified soil pile into four (4) piles;
- ii. collect a representative soil sample from each pile; and
- iii. Arrange for the analysis of the four (4) samples (collected in Condition 5.34 (ii)) by a certified laboratory.

5.35 If the laboratory results required under Condition 5.34 continue to deem all or a portion of the soils not to be solid non-hazardous materials, then the Owner shall:

- i. notify the District Manager of the results, forthwith;
- ii. retain a licensed hauler to remove the soils deemed not to be

solid non-hazardous material from the site; and
iii. ensure the soils are transported to an appropriate licensed waste disposal facility within one (1) week of receiving the laboratory results identified in Condition 5.34.

Landfill Gas Management

5.36 Landfill gas generated and collected at the site shall be managed and monitored at a minimum, in accordance with Section 6.4 and 7.4 in the Design and Operations Report (Item 32 in Schedule "A").

5.37 The Owner shall ensure all existing structures and future structures to be built shall be situated, constructed and monitored in a manner which minimizes the potential for explosive hazards due to landfill gas. Methane detection and alarm equipment, with active venting or an effective passive venting system to relieve any possible landfill gas accumulation shall be installed and maintained for all enclosed buildings on the Site which at times are occupied by people. Routine monitoring for explosive methane gas levels shall be conducted in all buildings on the Site, especially enclosed structures which at times are occupied by people.

5.38 The design of the Site and any plans, specifications and descriptions for the control of landfill gas must ensure that the subsurface migration of landfill gas meets the following limits from Reg. 232, Landfill Standard #14(2):

- a. The concentration of methane gas below the surface of the land at the boundary of the Site must be less than 2.5 per cent by volume;
- b. The concentration of methane gas must be less than 1.0 per cent by volume in any on-Site building or enclosed structure, and in the area immediately outside the foundation or basement floor of the building or structure, if the building or structure is accessible to any person or contains electrical equipment or a potential source of ignition;
- c. Sub-condition (b) does not apply to a leachate collection, storage or treatment facility or a landfill gas collection or treatment facility for which specific health and safety measures and procedures are in place relating to the risk of asphyxiation and the risk of explosion; and
- d. The concentration of methane gas from the Site must be less than 0.05 per cent by volume in any off-Site building or enclosed structure, and in the area immediately outside the foundation or basement floor of the building or structure, if the building or

structure is accessible to any person or contains electrical equipment or a potential source of ignition.

5.39. The Owner shall follow the landfill gas trigger level identified in Condition 5.38 and contingency response plan described in Section 10.3 in the Design and Operations Report (Item 32 in Schedule "A"). If the measured gas concentration at a gas well/probe exceeds the applicable Reg. 232 limit, the reading shall be re-measured immediately and daily for a period of up to 3 consecutive days. If these readings confirm the applicable limit has been exceeded, appropriate control measures shall be implemented as soon as possible thereafter.

Section 6.0 Small Loads Facility Waste Types

6.1 The Small Loads Facility shall only accept the following types of waste:

- i) solid non-hazardous waste
- ii) white goods
- iii) black box materials
- iv) blue box materials
- v) electronic waste
- vi) mattresses
- vii) polystyrene
- viii) wood
- ix) clean drywall
- x) asphalt shingles

Waste Quantities and Storage

6.2 The total amount of waste received at the Small Loads Facility shall be incorporated into the total allowable limit of waste received for the Site as per Condition 5.6.

6.3 The maximum amount of bins which are permitted to store solid non-hazardous waste shall be limited to 12 (twelve) bins (30 cubic metre roll off bins) at the Small Loads Facility.

6.4 The maximum daily volume of waste receipt, maximum storage volume and maximum retention time by material type shall be limited to the values listed in Schedule "B" of this Approval.

Operations

6.5 The Small Loads Facility shall be operated in accordance with Item 74 of Schedule "A".

6.6 All storage containers/bins used to store waste and/or recyclable materials shall be maintained in good condition to prevent leakage. The Owner shall immediately remove from service any leaking containers.

6.7 All waste types shall be segregated into bins with doors and lids to cover the waste. All bins and designated waste storage areas shall be clearly labelled.

6.8 At no times shall waste be stored on the ground.

7.0 COMPOST FACILITY (PROCESSING)

7.1 The composting facility and organic waste transfer facility shall not interfere with the existing approved landfill site design and operations.

7.2 The Owner shall advise the District Manager, forthwith, of any questionable material received at the composting facility, or the disposal of any processed material which does not meet the requirements outline in Regulation 101.

7.3 All waste delivered to, and taken from the composting facility, shall be transported under an approved waste management system.

7.4 The District Manager shall have the right at anytime to order any or all compostable organic waste that is covered under this ECA, to be either landfilled or directed to specific uses or locations.

7.5 The Owner shall complete the following:

- i. submit to the Ministry, surface water runoff quality data from the composting facility as part of their annual report monitoring,
- ii. collect and analyze samples two (2) times per year (April and September).

Leaf and Yard

7.6 i. The leaf and yard compost facility shall be developed, operated and maintained as per Items 10 through 17 in Schedule "A" and shall be limited to processing leaf and yard waste for the quantities specified in the supporting documentation.

ii. The leaf and yard waste composting facility shall comply with the standard procedures and requirements set out in [Part V of Regulation 101, as amended](#) .

7.7 The composting facility shall be located as set out in Items 11 and 15 of Schedule "A".

7.8 (a) Material leaving the composting facility shall only be deemed to be compost if analysis shows that the material does not exceed any of the following concentrations:

Metals Concentration [mg/kg
dry weight]

Arsenic 13

Cadmium 3
Chromium 210
Cobalt 34
Copper 100
Lead 150
Mercury 0.8
Molybdenum 5
Nickel 62
Selenium 2
Zinc 500

Organic Chemicals Concentration [mg/kg dry weight]

PCBs 0.5

Non-Biodegradeable Concentration [% dry weight]

Particulate Matter

Plastic 1.0

Other 2.0

All other material leaving the facility shall be managed in accordance with Regulation 347 and the Environmental Protection Act

(b) Except as described in Condition 7.8 (a) above, the leaf and yard waste facility shall be developed, operated, and maintained as per Regulation 101.

Organic Waste Transfer Facility

7.9 The approval for the proposed temporary compostable organic waste facility as identified in Item 27 of Schedule "A" expires December 23, 2007.

7.10 No compostable organic waste shall be stored longer than one week from the date it was received.

7.11 The Owner shall establish and maintain a record system on a daily basis for all compostable organic waste received which shall include, but not necessarily be limited to, quantity, source of generation, and final destination.

Organic Waste Compost Facility

7.12 (1) Prior to the commencement or construction and/or operation activities associated with an organic waste compost facility, the Owner shall submit to the Director for approval, with copies to the District Manager, a design and operations plan for the facility. The plan shall include but not be limited to the following:

- a. drawing(s) showing the location of the facility
- b. receiving/screening and pick-up/shipping procedures, including the hours that the facility is open to receive the waste or transfer waste/compost off-site;
- c. handling, processing and storage procedures for waste and the finished compost;
- d. operating parameters of various processes at the facility;
- e. monitoring, and sampling protocols;
- f. details of facility maintenance and inspection protocols;
- g. records keeping requirements;
- h. outline of the responsibilities of facility personnel;
- i. personnel training protocols;
- j. contingency measures for emergency situations and emergency response plan in the event of fire, spills, rejected wastes, air pollution control equipment malfunction or other emergencies that may cause adverse effects off-site; and
- k. procedures for the handling of public complaints.

(2) Approval must be granted by the Director prior to operation of the facility identified in Condition 7.12 (1)

(3) The Organic Waste Compost Facility shall be operated in accordance with Items 46 and 47 in Schedule "A".

8.0 SOIL MANAGEMENT FACILITY

8.1 Approval is hereby granted for the construction and operation of a Soil Management Facility within the Additional Buffer area in accordance with Items 94 to

97 in Schedule A.

Soil Acceptance

8.2 Only excess soil generated within the geographic boundaries of the City of Ottawa may be received at the Soil Management Facility.

8.3 The Owner shall ensure that all incoming soil is screened in accordance with Section 3.2 of the Soil Management Operations Manual (Item 95 of Schedule A). Only shipments with proper documentation as required in Condition 8.19, including information on the source site and the characterization report prepared by Qualified Person and soil that meets Table 2.1 of O. Reg. 406/19 Excess Soil Quality Standards (ESQS) or Site Specific Excess Soil Quality Standards (SSESQS) developed in accordance with O. Reg. 406/19 shall be accepted at the Soil Management Facility.

8.4 No Liquid Soil shall be accepted at this facility.

Soil Quantities

8.5 The amount of excess soil received at the Soil Management Facility shall not exceed 2,000 cubic metres per day and 250,000 cubic metres per year.

8.6 Total volume of stockpiled excess soil shall not exceed 500,000 cubic metres.

Rejected Soil

8.7 The following material shall be deemed Rejected Soil:

- a. soil not approved under this ECA is inadvertently accepted at the Soil Management Facility;
- b. accepted soil that exceeds the quality criteria as per Condition 8.3 identified through confirmatory and audit sampling.
- c.

8.8 Within two (2) business days of receipt of the Rejected Soil or receipt of the analysis result that confirms the Rejected Soil, it shall be segregated and contained within an area/facility with sufficient environmental control to prevent leachate generation and migration.

8.9 Rejected Soil may be placed within the landfill footprint, or disposed of at an approved site.

Soil Testing

8.10 The Owner shall ensure that confirmatory sampling for incoming soil and audit soil sampling for stockpiles at the Soil Management Facility are conducted under the supervision of Qualified Person.

8.11 Sampling frequency shall be in accordance with Section 3.2 of the Soil Management Operations Manual.

8.12 Should confirmatory or audit sampling identify soil that does not meet Table 2.1 of the ESQS or SSESQS, the Owner shall immediately take the following actions:

- i. take additional soil samples as required to determine the scope of soil that exceeds the applicable quality standards;
- ii. notify the District Manager of the exceedance;

iii. manage the Rejected Soil according to Conditions 8.8 and 8.9.

Soil Stockpiles

8.13 Soil stockpiles shall be placed within the dedicated areas as set out in the Soil Management Operations Manual.

8.14 Each soil stockpile shall have a volume of less than 100,000 cubic metres, with a side slope that ensures adequate factor of safety for stability.

8.15 Soil stockpiles shall be operated and maintained in a manner that does not result in any nuisance. Noise, dust, odour, mud tracking, run-off and erosion shall be adequately managed to prevent any adverse effect.

8.16 (1) Stockpiled soil that is from off-site sources shall be finally placed at a reuse site (including this Site for permanent berm construction), or an approved waste disposal site no later than two years after the excess soil is first deposited at the Soil Management Facility.

(2) Subject to written approval by the District Manager, the storage period for excess soil may be extended by five years.

8.17 With the exception of screening and sorting operations, no soil processing including mixing, dewatering, and treatment in any forms shall be conducted at the Soil Management Facility.

Reuse and Final Disposal of Excess Soil

8.18 Stockpiled soil shall be transported to a reuse site or an approved waste disposal site in accordance with Sections 4 and 5 of O. Reg. 406/19.

Documentation and Record Keeping

8.19 Only incoming soil with the following completed documentation shall be accepted at the Soil Management Facility:

i. Excess soil general documentation with the following Source Site information:

a. the generator's name, address and contact information;

b. the Source Site location;

c. current Source Site's activities and land use;

d. past Source Site's activities and land use, if known; and

e. estimated quantity of the excess soil to be received at the Soil Management Facility.

ii. Soil characterization report prepared by Qualified Person in accordance with S. 12 of O. Reg 406/19.

iii. Hauling records as per S. 18 of O. Reg 406/19.

iv. For acceptance of excess soil from off-site sources prior to January 1, 2023, a soil characterization report prepared in accordance with Section B of the Soil Rules shall be provided.

8.20 The Owner shall maintain a written or digital record of daily activities undertaken at the Soil Management Facility. The record shall include, as a minimum, the following information:

- a. date of the record;
- b. type, quantity, and source of the excess soil received;
- c. quantity of Rejected Soil that is inadvertently accepted and the destination of the Rejected Soil;
- d. quantity, destination, and use of stockpiled soil transported off-site;
- e. site inspection records; and
- f. complaints, spills, accidents, and actions taken to address the deficiencies.

9.0 MAJOR WORKS APPROVALS

Gas Collection and Flare System Expansion

9.1 (1) The expansion of the Landfill Gas Collection and Flaring System shall be constructed and operated in accordance with Items 38 through 40 and 57 through 74 in Schedule "A".

(2) Expansion of the Gas Collection and Flare System within Phase 2 of the Site is hereby approved in accordance with Items 75 through 77 in Schedule A. The expansion will only consist of 29 of gas wells located as described in Item 75.

(3) Expansion of the Stage 1 Landfill Gas Collection System, which includes 5 new gas extraction wells R9 through R13 along the east boundary of the Site and associated piping, is hereby approved in accordance with Item 82 in Schedule "A".

(4) For installation of additional gas extraction wells and piping, the Owner shall apply for the Director's approval prior to construction.

(5) Installation of the east portion of Stage 5 landfill gas header pipe system, in accordance with Item 93 in Schedule A, is hereby approved.

(6) Stage 5 Landfill Gas Collection System, in accordance with Items 98 and 99 in Schedule A, is hereby approved.

9.2 (i) Upon Substantial Completion of the System, the Owner shall notify the District Manager in writing that the expansion of the system has reached substantial completion and the expansion can be implemented in the system operation.

(ii) Prior to operating any expansion of the Landfill Gas Collection and Flaring System, the Owner shall notify the District Manager in writing when the operation of the expansion of the system shall commence.

9.3 Within 90 days of completion of the system, the Owner shall submit to the District Manager a construction report detailing the construction activities and any design changes made to the system during construction. This report shall include but not be limited to the following topics:

- i) "as-built" drawing(s) of the location of the system;
- ii) a description of the various construction stages;
- iii) quality assurance/quality control plan for the construction;
- and
- iv) any changes to the design of the system.

9.4 The inspection and maintenance plan for the gas collection and flare system shall include but are not limited to the tasks outlined in Item 45 in Appendix "A".

9.5 The Owner shall monitor landfill gas concentrations and flow rates at each extraction well on a minimum monthly basis.

9.6 Within ninety (90) days of system start up, the Owner shall provide to the District Manager an operation and maintenance manual for the landfill gas collection system that includes required inspection and maintenance/replacement procedures for all system equipment. The Owner shall update the manual as needed.

9.7 Installation of Landfill Gas Perimeter Collection System (LGPCS), all in accordance with the Application for Environmental Compliance Approval and the supporting documentation listed as Items 89, 90, 91, and 92 in Schedule "A" is hereby approved.

9.8 (1) The Owner shall notify the District Manager in writing the completion and operation of the Landfill Gas Perimeter Collection System, and update the Operation and Maintenance Manual as required in Conditions 8.2 and 8.6 of this ECA.

(2) The Owner shall monitor the methane gas content of the LGPCS and implement the contingency measure as stated in Item 92 of Schedule "A" in case the methane concentration is below 30% v/v.

Geomembrance Repair

9.9 i. The perforation and repair of the geomembrane liner to permit the installation and operation of the extension of the gas collection and flare system shall be completed in accordance with Items 41 to 44 in Schedule "A".

ii. The Owner shall conduct the Odour Control and Monitoring Plan for the construction and installation of the extension of the gas collection and flare system in accordance with Items 41 through 43 in Schedule "A".

9.10 i. To ensure that the geosynthetic products identified for the repair of the perforation of the geomembrane liner specified in the submission design have been supplied and installed in accordance with the design drawings and specifications, the Owner shall retain a qualified inspector(s) to be on the Site during construction to sample, test and confirm installation in accordance with the recommendations of the manufacturers, design drawings and specifications, and QA/QC procedures and to provides a report that details the results of the inspection.

ii. The Owner shall submit a copy of the inspection report identified in Condition 9.6 (i) as an Appendix in the Construction Report required under Condition 9.3.

Landfilling Operation in Stage 1

9.11 Approval is hereby granted for landfilling resumption in Stage 1.

Interim Cover

9.12 (1) Approval is hereby granted for the construction of the interim cover for Stages 3 and 4 in accordance with Items 49 through 54 in Schedule "A".

(2) Within 120 days of completion of the interim cover construction, the Owner shall submit to the District Manager, a construction report detailing the construction activities and any design changes made during construction. The report shall include but not be limited to the following topics:

- i. drawing(s) of the "as-built" interim cover;
- ii. a description of the various construction stages;
- iii. quality assurance/control measures for the construction; and
- iv. any changes to the design.

Interim Leachate Pre-Treatment System

9.13 (1) The Owner is hereby approved to construct and operate the Interim Leachate Pre-Treatment System in accordance with Items 78 through 81 in Schedule "A".

(2) The Owner shall notify the District Manager in writing at least forty-eight (48) hours prior to initially operating the Interim Leachate Pre-treatment System that operation of the facility will commence.

Air Injection System

9.14 The detailed design and Operation and Maintenance Manual for the Landfill Gas Migration Control System (Air Injection System) listed as Items 82, 83 and 84 in Schedule "A" are hereby approved.

10.0 INSPECTIONS AND RECORD KEEPING

Daily Inspections and Log Book

10.1 An inspection of the entire Site and all equipment on the Site shall be conducted each day the Site is in operation to ensure that the Site is being operated in compliance with this ECA. Any deficiencies discovered as a result of the inspection shall be remedied immediately, including temporarily ceasing operations at the Site if needed.

10.2 A record of the inspections shall kept in a daily log book(s) or a dedicated electronic file(s) that includes:

- i. the name and signature of person that conducted the inspection;
- ii. the date and time of the inspection;
- iii. the list of any deficiencies discovered;
- iv. the recommendations for remedial action; and
- v. the date, time and description of actions taken.

10.3 A record shall be kept in the daily log book(s) of all the following:

- i. the type, date and time of arrival, hauler, and quantity (tonnes) of all waste received at the site; and,
- ii. a list of the refusal of waste shipments, the reason(s) for refusal, and the origin of the waste, if known.

Monthly Records

10.4 Monthly site inspection records in the form of a written log(s) or a dedicated electronic file(s) shall include the following:

- i. a summary of wastes received and refused for disposal at the Site;
- ii. the area of the Site in which waste disposal operations are taking place;
- iii. a calculation of the total quantity (tonnes) of waste received at the Site during each operating day and each operating week;
- iv. the amount of any leachate removed, or treated and discharged from the Site;
- v. a record of litter collection activities and the application of any dust suppressants;
- vi. a record of the daily inspections;
- vii. a description of any out-of-service period of any control, treatment, disposal or monitoring facilities, the reasons for the loss of service, and action taken to restore and maintain service;
- viii. type and amount of daily, intermediate and final cover used;
- ix. maintenance and repairs performed on equipment employed at the Site;

- x. complaints received and actions taken to resolve them;
- xi. emergency situations and actions taken to resolve them; and
- xii. any other information required by the District Manager.

Site Inspections

10.5 During site operations, the Owner shall inspect the site monthly for the following items but not limited to these items:

- i. General settlement areas or depressions on the waste mound;
- ii. Shear and tension cracks on the waste mound;
- iii. Condition of surface water drainage works;
- iv. Erosion and sedimentation in surface water drainage system;
- v. Presence of any ponded water on the waste mound;
- vi. Adequacy of cover material;
- vii. Evidence of vegetative stress, distressed poplars or side slope plantings on or adjacent to the waste mound;
- viii. Condition of groundwater monitoring wells and gas wells;
- ix. Presence of insects, vermin, rodents and scavenging animals on or adjacent to the waste mound;
- x. Condition of fence surrounding the site; and,
- xi. General site appearance.

10.6 The Owner shall inspect the waste mound and surrounding areas weekly for presence of leachate seeps. Any leachate seeps that are discovered shall be repaired within 48 hours of notice by the Owner.

Record Retention

10.7 Except as authorized in writing by the Director, all records required by this ECA shall be retained at the Site for a minimum of two (2) years from their date of creation.

10.8 The Owner shall retain all documentation listed in Schedule "A" for as long as this ECA is valid.

10.9 All monthly summary reports are to be kept at the Site until they are included in the Annual Report.

10.10 The Owner shall retain employee training records as long as the employee is working at the Site.

10.11 The Owner shall make all of the above documents available for inspection upon request of Ministry staff.

11.0 MONITORING

Groundwater Monitors

11.1 The Owner shall ensure all groundwater monitoring wells are properly capped,

locked and protected from damage.

11.2 In areas where landfilling is to proceed around monitoring wells, suitable extensions shall be added to the wells and they shall be properly re-secured.

11.3 All groundwater monitoring wells whether included in the monitoring program or not shall be assessed, repaired, replaced or decommissioned as required. Any well being decommissioned shall be decommissioned in accordance with good standard practice that will prevent contamination through the abandoned well and in accordance with Ontario Regulation 903.

11.4 The Owner shall repair or replace any monitoring well included in the monitoring program which is destroyed or in any way made inoperable for sampling such that no more than one sampling event is missed.

11.5 Any monitoring well included in the monitoring program that is no longer required as part of the groundwater monitoring program may be decommissioned provided its removal from the monitoring program has been approved by the Director. A report on the decommissioning shall be provided in the annual monitoring report for the period during which the well was decommissioned.

Monitoring Programs

11.6. (1) The Owner must:

- a. continue the groundwater, surface water and landfill gas monitoring programs as described in the Annual Monitoring and Operating Report; and
- b. make changes to the monitoring program in accordance with the recommendations of the annual report provided that the District Manager agrees, in writing, to such changes to the program.

(2) The Owner shall include stream flow measurements at each monitoring station as a component of the surface water monitoring program identified in Condition 11.6 (1)

(3) For any changes to the monitoring program, the Owner shall in a cover letter request the acceptance of the changes by the District Manager.

(4) Within fourteen (14) days of receiving the writing correspondence from the District Manager confirming that the District Manager is in agreement with the proposed changes to the monitoring program, the Owner shall forward a letter identifying the proposed changes and a copy of the correspondences from the District Manager, to the

Director requesting the ECA be amended to approve the proposed changes prior to implementation.

Compliance Criteria

11.7 The Owner shall ensure the Site is in compliance with MOE Guideline B-7 Reasonable Use Concept is applied and met at all points on the property line which are impacted by leachate from the Site.

12.0 TRIGGER MECHANISMS AND CONTINGENCY PLANS

12.1 In the event of a confirmed exceedance of a site-specific trigger level relating to leachate mounding or groundwater or surface water impacts due to leachate (including surface water monitoring station S52 as described in Items 29 through 33 in Schedule "A", the Owner shall complete the following:

- i. immediately notify the District Manager;
- and
- ii. an investigation into the cause and the need for implementation of remedial or contingency actions shall be carried out by the Owner in accordance with the approved trigger mechanisms and associated contingency plans described in the Design and Operations Report listed as Item 32 in Schedule "A".

12.2. The Owner shall ensure that any proposed changes to the site-specific trigger levels for groundwater and surface water impacts due to leachate are approved in advance by the Director via an amendment to this ECA.

12.3 If monitoring results, investigative activities and implementation criteria indicate the need to implement contingency measures, the Owner shall ensure that the following steps are taken:

- a. The Director and the District Manager shall be notified by the Owner as soon as possible of the need to implement contingency measures;
- b. Detailed plans, specifications and descriptions for the design, operation and maintenance of the contingency measures shall be prepared and submitted by the Owner to the Director for approval; and
- c. The contingency measures shall be implemented by the Owner upon approval by the Director.

13.0 COMPLAINTS PROCEDURE

13.1 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:

- a. The Owner shall record and number each complaint, either electronically or in a log book, and shall include the following information: the nature of the complaint, the name, address and the telephone number of the complainant if the complainant will provide this information and the time and date of the complaint;
- b. The Owner, upon notification of the complaint, 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; and
- c. The Owner shall complete a report written within one (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. A copy of the report shall be retained on-site.

13.2 The Owner shall post site complaints procedure at site entrance along with the name and phone number of a suitable, local contact to receive complaints or questions related to the Site. All complaints and the Owner's actions taken to remedy the complaints must be summarized in the Annual Report.

14.0 EMERGENCY SITUATIONS

14.1 In the event of a fire or discharge of a contaminant to the environment, site staff shall contact the MOE Spills Action Centre (1-800-268-6060) and the District Office of the MOE.

14.2 The Owner shall submit to the District Manager a written report within 3 days of the spill or incident, outlining the nature of the incident, remedial measures taken and

measures taken to prevent future occurrences at the Site.

14.3 The Owner shall prepare an Emergency Response Manual for the Site and submit to the District Manager within 60 days of the issuance of this amendment, in consultation with local emergency response agencies. The Emergency Response Manual should indicate the responsibility of each of the stakeholders with respect to handling possible emergency situations.

14.4 The Emergency Response Manual shall be updated on a regular basis and be provided to the District Manager within one month of the revision date.

14.5 The Owner shall ensure that adequate fire fighting and contingency spill clean up equipment is available and that emergency response personnel are familiar with its use and location.

15.0 TRAINING

Employees and Training

15.1 A training plan for all employees that operate any aspect of the site shall be developed and implemented by the Operator. Only trained employees shall operate any aspect of the Site or carry out any activity required under this ECA. For the purpose of this ECA "trained" means knowledgeable either through instruction or practice in:

- i. the relevant waste management legislation including EPA, O. Reg. 347 , regulations and guidelines;
- ii. major environmental and occupational health and safety concerns pertaining to the waste to be handled;
- iii. the proper handling of wastes;
- iv. the management procedures including the use and operation of equipment for the processes and wastes to be handled;
- v. the emergency response procedures;
- vi. the specific written procedures for the control of nuisance conditions;
- vii. the terms, conditions and operating requirements of this ECA and,
- viii. proper inspection, receiving and recording procedures and the activities to be undertaken during and after a load rejection.
- ix.

16.0 ANNUAL REPORTING

16.1 A written report on the development, operation, monitoring and closure of the Site, shall be completed annually (the "Annual Report"). The Annual Report shall be submitted to the Regional Director, the District Manager and the PLC , by **May 31st** of each year and shall cover the year ending the preceding December 31st.

16.2 The Annual Report shall include the following:

- a. summary of tonnage of waste and approximate volume of waste received at the Site;
- b. monthly and annual volumes of leachate removed from the collection systems for on-site and/or off-site treatment and disposal;
- c. a discussion of the progress of landfilling for the previous year;
- d. a topographic survey of the active Stage;
- e. a projection of the likely closure date for the active Stage and the estimated remaining lifespan of the landfill;
- f. collated and interpreted data collection from the previous year's groundwater, surface water and landfill gas monitoring program;
- g. an assessment of the groundwater quality as it related to Guideline B-7 (the reasonable use criteria);
- h. results of leachate characterization analysis, if leachate is collected and sent to the water pollution control plant via direct connection to the sewer or by trucking, which includes a full suite of priority pollutants sampled once per year;
- i. a complete list of all sampling locations, sampling frequencies and target parameters and trigger levels assessed during the Monitoring Program for the period covered by the Annual Report;
- j. a discussion on the OWRA monitoring results and reporting requirements;
- k. proposed changes to the Monitoring Programs in accordance with recommendations of a hydrogeologist, geoscientist or professional engineer; and
- l. a discussion of how the operations at the Site have or have not remained in compliance with the terms and conditions of this ECA.

17.0 SITE CLOSURE

17.1 At least two (2) years prior to the anticipated date of closure of this Site or the date 90 per cent of the total waste disposal volume is reached, whichever occurs first, the Owner shall submit to the Director for approval, with copies to the District Manager, a detailed Site Closure Plan pertaining to the termination of landfilling operations at this Site, post-closure inspection, maintenance and monitoring, and end use.

Schedule "A"

This Schedule forms part of this Environmental Compliance Approval No. A461303.

1. Report entitled "Trail Road Landfill Site - 1984 Hydrogeology and Monitoring Report -

for the Regional Municipality of Ottawa-Carleton" dated December 1985 by Gartner Lee Associates Limited and an addendum letter report entitled:

- a. "Trail Road Landfill - Acquisition of Additional Buffer Lands and Dewatering Pond, GLAL85-62" dated December 3, 1985
- b. "Trail Road Landfill - Response to Ministry of the Environment letter dated September 10, 1985 - GLAL85-62" dated December 5, 1985; and
- c. "Trail Road Landfill - Discussion of Proposed Stage 1 Monitoring Protocols and Groundwater Aspects - GLAL85-62" dated December 11, 1985

- 2. Plan by McElhanney Mapping Services dated August 27, 1986 entitled "Trail Road Landfill Site - Excavation Stage II" which allows the bottom excavation contours "as-built" for the Stage II area of the landfill.
- 3. Report entitled "Trail Road Landfill Development & Operations Plan for the Regional Municipality of Ottawa-Carleton" dated February 1990 by J.L. Richards & Associates Limited.
- 4. Seven (7) plans submitted by Contestoga-Rovers & Associates dated March 7, 1991 outlining landfill gas collection system layouts and profiles.
- 5. The letter dated December 22, 1994 to Mr. Paul Nieweglowski of the Ministry of the Environment and Energy, Approvals Branch from Mr. J. Caldwell of J.L. Richards & Associates Limited requesting on behalf of the Regional Municipality of Ottawa-Carleton an amendment to the Provisional Certificate of Approval No. A461303.
- 6. The set of seven (7) design drawings entitled "The Regional Municipality of Ottawa-Carleton Environmental Services Department, Trail Road Landfill, Stage 4 Bottom Liner and Leachate Collection" by J.L. Richards & Associates Limited dated December 1994.
- 7. The letter report by Golders Associates entitled "Operations and Maintenance Plan, Stage 4, Trail Road Landfill, Nepean, Ontario" dated January 20, 1995.
- 8. The construction specifications by J.L. Richards & Associates Limited entitled "Trail Road Landfill, Stage 4, Phase A and B Bottom Liner and Leachate Collection, Contract No. CE-" as submitted with the application for an amendment dated December 22, 1994.
- 9. The letter dated February 15, 1995 to Mr. John Kaasalainen of the Ministry of the Environment and Energy, Approvals Branch, from Mr. J. Caldwell of J.L. Richards &

Associates Limited providing additional information such as:

- i. the minimum thickness of drainage envelope cover material above the leachate collection piping;
- ii. the leachate collection pipe strength calculations; and
- iii. curtain wall details.

10. District Office recommendation for permanent composting facility approval.
11. Letter from Kostuch Engineering Ltd. to Mr. Ed Tarvitz, Eastern Region, Ministry of the Environment and Energy with an accompanying site plan dated August 15, 1994.
12. Letter from Dave Clarke, P.Eng., Dillion to Mr. Phil Lefebvre, P.Eng. dated May 9, 1994.
13. Letter from J. Gilles Leduc, Kostuch Engineering Ltd. to Mr. Jim Mulder, Eastern Region, Ministry of the Environment and Energy dated July 14, 1994.
14. Application for Approval of a Waste Disposal Site submitted by the Regional Municipality of Ottawa-Carleton signed by P.McNally, Director, Solid Waste Diversion and dated September 29, 1998.
15. Drawing No. 1, Project No. 2684 entitled " Expansion, Leaf and Yard Waste Composting Facility" showing the location of the proposed composting site expansion.
16. Report entitled "Report of Proposed Expansion Leaf and Yard Waste Composting Site, Regional Municipality of Ottawa-Carleton, Trail Road Landfill Site" prepared by Kostuch Engineering Limited and dated September 1998.
17. Report entitled "Report on Trail Road Landfill Site, Hydrogeological Aspects, Proposed Expansion of Leaf and Yard Material Composting Facility" prepared by Golder Associates Ltd. and dated September 1998.
18. Application for a Provisional Certificate of Approval for a Waste Disposal Site for Trail Road Landfill Site dated May 29, 2002.
19. Letter from Peter Filipowich, City of Ottawa to Ian Parrott, Ministry of the Environment dated June 4, 2002.
20. Letter from Greg Washuta, Ministry of Environment and Energy to Peter Filipowich, City of Ottawa dated June 20, 2002.
21. Letter from A.M. Harwood and B.J. Velderman, Golder Associates Limited to Peter Filipowich, City of Ottawa dated May 30, 2002.
22. Letter from A.M. Harwood and B.J. Velderman, Golder Associates Limited to Peter Filipowich, City of Ottawa dated May 29, 2002.
23. Letter from Peter Filipowich, City of Ottawa to Greg Washuta, Ministry of Environment dated July 5, 2002.

24. Letter from Richard Roth, Bakermat Inc. to Peter Filipowich, City of Ottawa dated June 26, 2002.
25. Letter from Greg Washuta, Ministry of Environment and Energy to Peter Filipowich, City of Ottawa dated July 22, 2002.
26. Letter from Cameron Neale, City of Ottawa to Greg Washuta, Ministry of Environment and Energy received September 6, 2002.
27. The letter and accompanying operating plan dated June 10, 2002 from Trish Johnson, Program Manager, Waste Diversion and Processing, Regional Municipality of Ottawa-Carleton, submitted to the Ministry of the Environment, and the letter dated September 5, 2002, from Robert Sinclair, Project Coordinator, Waste Diversion and Processing, Solid Waste Services Division, Regional Municipality of Ottawa-Carleton, submitted to the Ministry of the Environment.
28. Application for Approval of a Waste Disposal Site dated April 4, 2005 and signed by Blaine Coons, Solid Waste Technologist, including the attached cover letter dated April 4, 2005 from Blaine Coons, C.E.T., to Mr. Ian Parrott, MOE.
29. Report entitled "Trail Road Facility Landfill Optimization/Expansion Project - EA/EPA Document" dated March 2002.
30. Report entitled "Trail Road Facility Landfill Optimization/Expansion Project - EA/EPA Document Appendices A-C" dated March 2002
31. Report entitled "Trail Road Facility Landfill Optimization/Expansion Project - EA/EPA Document Appendices D-L" dated March 2002.
32. Report entitled "Trail Road Facility Landfill Optimization/Expansion Project - EA/EPA Document Appendices M- P" dated March 2002.
33. Letter dated June 1, 2005 to Ms. Anne-Marie Fowler, City of Ottawa from Ms. Leona Dombrowsky, Minister of the Environment providing a signed copy of the Notice of Approval to proceed with the undertaking as required by the EAA.
34. Application for a Provisional Certificate of Approval for a Waste Disposal Site submitted by the City of Ottawa requesting the storage of soils from water main break repairs on the lined portion of the landfill until analytically testing permits the landfilling of the material. The application was dated September 30, 2005 and signed by Peter Filipowich. The application included a cover letter dated September 29, 2005 addressed to Mr. Ian Parrott, Ministry of the Environment from Mr. Peter Filipowich, City of Ottawa.
35. Letter dated October 19, 2005 addressed to Mr. Peter Filipowich, City of Ottawa from Mr. Dale Gable, Ministry of the Environment requesting additional information on the location and procedures for storing the water main break soils.
36. Letter and supporting documentation dated November 3, 2005 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Peter Filipowich, City of Ottawa providing information of proposed storage location and landfill procedures for accepting, storing and analytically testing the material.

37. Email addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Peter Filipowich, City of Ottawa indicating the Household Hazardous Waste Depot at the site is closed and requesting permission to permit a mobile hauler to collect HHW on "special drop-off "days.

38. Application for a Provisional Certificate of Approval for a Waste Disposal Site and supporting documentation submitted by the City of Ottawa requesting approval for the expansion of the gas collection and flare system at the Trail Road Landfill Site. The application was signed by Blaine Coons, City of Ottawa and dated December 20, 2005. The supporting documentation included the following:

- i. Cover letter dated January 3, 2006 addressed to Ms. Benita Caiado, Ministry of the Environment from Mr. Paul Bulla, Comcor Environmental Ltd.
- ii. Report entitled "Landfill Gas Collection System Expansion - Trail Road Facility" prepared by Comcor Environmental dated December 21, 2005.
- iii. Drawing No. G101- Existing Site Conditions prepared by Comcor Environmental Ltd. (Project No. 9-371) dated December 21, 2005;
- iv. Drawing No. G102 - Wellfield System Layout prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- v. Drawing No. G111 - Plan and Profile - Header Sta. 0+000 to 0+600 prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- vi. Drawing No. G112 - Plan and Profile - Header Sta. 0+600 to 1+200 prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- vii. Drawing No. G113 - Plan and Profile - Header Sta. 1+200 to 1+549.96 prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;

- viii. Drawing No. G121 - Plan and Profile - Sub-Header F prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- ix. Drawing No. G122 - Plan and Profile - Sub-Header G prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- x. Drawing No. G123 - Plan and Profile - Sub-Header H Extension prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xi. Drawing No. G124 - Plan and Profile - Sub-Header J Extension prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xii. Drawing No. G125 - Plan and Profile - Sub-Header LM prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xiii. Drawing No. G126 - Plan and Profile - Sub-Header N Extension prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xiv. Drawing No. G161 - Trench Details prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xv. Drawing No. G162 - System Details prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xvi. Drawing No. G163 - System Details prepared by Comcor Environmental Ltd. (Project No. 9-364) dated March 16, 2005;
- xvii. Drawing No. G164 - Connection to

Existing System Details Layout prepared
by Comcor Environmental Ltd. (Project
No. 9-364) dated March 16, 2005;

39. Letter dated January 10, 2006 addressed to Mr. Peter Filipowich, City of Ottawa from Mr. Dale Gable, Ministry of the Environment requesting additional information on the proposed system.
40. Letter dated January 26, 2006 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Paul Bulla, Comcor Environment Limited providing a response to how the system shall be incorporated into the gas collection indicated in the EA.
41. Letter and supporting documentation dated June 22, 2006 addressed to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment from Ms. Denise Burgess, Comcor Environmental Ltd. providing a odour control plan and a request to perforate the geomembrane liner to install a gas collection system as required by Condition (50) and (51).
42. Letter dated July 7, 2006 addressed to Mr. Peter Filipowich, City of Ottawa from Mr. Dale Gable, Ministry of the Environment requesting additional information on the odour control plan and methodology and materials for the perforation of the geomembrane liner.
43. Letter dated July 24, 2006 addressed to Mr. Dale Gable, Ministry of the Environment from Ms. Denise Burgess, Comcor Environmental Ltd. providing additional information on the odour control plan and the methodology and contractor who will perform the repairs for the perforation on the geomembrane liner.
44. Letter dated July 31, 2006 addressed to Mr. Dale Gable, Ministry of the Environment from Ms. Denise Burgess, Comcor Environmental Ltd. providing additional information on geomembrane installation and quality assurance and control procedures for the proposed repairs to the perforations in the geomembrane liner.
45. Letter report dated August 30, 2006 address to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment from Ms. Shannon McGarr, Comcor Environmental providing a inspection and maintenance plan for the gas collection and flare system as required by Condition 109.
46. Application for a Provisional Certificate of Approval for a Waste Disposal Site dated June 6, 2006, signed by Peter Filipowich, Compliance Coordinator, including the attached document entitled "Source Separated Organics (SSO) COMPOSTING MANUAL" dated June 5, 2006, describing composting operations at the Site.
47. Letter from Blaine Coones, C.E.T., to Andrew Neill, MOE, with additional information on the composting operations at the Site.

46. Letter and supporting documentation dated June 7, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Jim MacLachlan, Dillon Consulting provided a letter detailing the steps needed to resume landfilling operations in Stage 1 of the Site.

47. Application for a Provisional Certificate of Approval for a Waste Disposal Site requesting an amending to approve an interim cover design for Stages 3 and 4. The application was submitted by Mr. Blaine Coons, City of Ottawa on July 11, 2007. The application included the following supporting documentation:

- i. Cover letter dated July 12, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. James MacLachlan, Dillon Consulting.
- ii. Contract Specifications for Trail Waste Facility Stages 3 and 4 Interim Cap dated July 2007 prepared for the City of Ottawa by J.L. Richards and Associates Ltd, Dillon Consulting Ltd. and Golder Associates Ltd.
- iii. City of Ottawa Trail Waste Facility Stages 3 and 4 Interim Cap - Preliminary Design Report dated July 2007 prepared by Dillon Consulting.
- iv. Design Drawings 1 through 11 entitled "Trail Waste Facility Stages 3 and 4 Interim Cap Project" prepared for the City of Ottawa (contract No. ISB07-1019) by Dillon Consulting, Golder Associates Limited (Project No. 06-1122-333) and J.L Richards and Associates Ltd. (Project No.21896).

48. Letter dated August 1, 2007 addressed to Mr. Blaine Coons, City of Ottawa from Mr. Dale Gable, Ministry of the Environment requesting additional information/clarification permitting to the cover and the proposed amendments to the surface water management system.

49. Letter dated August 10, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Jim MacLachlan, Dillon Consulting providing additional information on the surface water management system and proposed interim cover.

50. Letter dated August 14, 2007 addressed to Mr. Blaine Coons, City of Ottawa from Mr. Dale Gable, Ministry of the Environment requesting additional clarification on calculations for proposed interim cover surface water management system.

51. Letter dated September 10, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Jim MacLachlan, Dillon Consulting providing additional information on the surface water management system and proposed interim cover.

52. Email dated September 14, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Jim MacLachlan, Dillon Consulting providing an addition sketch on how surface water runoff will be managed at the main access road at the site for the interim cover.

41. Application for an amendment to use Biocover as an Alternative Daily Cover material dated July 3, 2007 including the Certificate of Technology Assessment from Standard Development Branch under New Environmental Technology Evaluation(NETE) program dated November 2006.
42. Email from Peter Filipowich, City of Ottawa to Hirva Vyas, Ministry of Environment dated December 5, 2007.
53. Application for a Provisional Certificate of Approval for the Trail Road Landfill, dated and signed on March 26, 2008.
54. Report entitled "Landfill Gas Collection System Stage I Expansion" prepared by Comcor Environmental Limited, dated March 27, 2008.
55. Letter dated August 15, 2008 from Greg Washuta, P. Eng., M.Eng., Senior Waste Engineer, Waste Unit, EAAB, MOE to Peter Filipowich, Compliance Coordinator, City of Ottawa.
56. Letter dated September 12, 2008 from Paul Bulla and Shannan McGarr, Comcor Environmental Limited to Greg Washuta, P. Eng., M.Eng., Senior Waste Engineer, Waste Unit, EAAB, MOE.
57. Drawing number G102 entitled "Proposed Final System Layout" prepared by Comcor Environmental Limited, dated September 12, 2008.
58. Drawing number G103 entitled "Phase 1 System Layout" prepared by Comcor Environmental Limited, dated September 12, 2008.
59. Drawing number G104 entitled "Phase 2 System Layout" prepared by Comcor Environmental Limited, dated September 12, 2008.
60. Drawing number G105 entitled "Phase 3 System Layout" prepared by Comcor Environmental Limited, dated September 12, 2008.
61. Drawing number G111 entitled "Phase 1 Plans & Profiles - 300o & 350o Header Extensions" prepared by Comcor Environmental Limited, dated September 12, 2008.
62. Drawing number G121 entitled "Phase 1 Plan & Profile - 300o Subheader R Sta 0+000 to 0+200" prepared by Comcor Environmental Limited, dated September 12, 2008.
63. Drawing number G122 entitled "Phase 1 Plan & Profile - 300o Subheader R Sta 0+200 to 0+750" prepared by Comcor Environmental Limited, dated September 12, 2008.
64. Drawing number G123 entitled "Phase 1 Plan & Profile - 300o Subheader R Sta 0+750 to 0+989.55" prepared by Comcor Environmental Limited, dated September 12, 2008.
65. Drawing number G124 entitled "Phase 2 Plan & Profile - 250o Subheader" prepared by Comcor Environmental Limited, dated September 12, 2008.
66. Drawing number G125 entitled "Phase 3 Plan - 250 o Subheader P" prepared by Comcor Environmental Limited, dated September 12, 2008.
67. Drawing number G126 entitled "Phase 3 Profile - 250 o Subheader P" prepared by Comcor Environmental Limited, dated September 12, 2008.
68. Drawing number G161 entitled "Trench Details " prepared by Comcor Environmental Limited, dated September 12, 2008.

69. Drawing number G162 entitled "System Details" prepared by Comcor Environmental Limited, dated September 12, 2008.

70. Drawing number G163 entitled "System Details" prepared by Comcor Environmental Limited, dated September 12, 2008.

71. Application for a Certificate of Approval for a Waste Disposal Site and supporting documentation requesting an amendment to permit the operation of a paper/cardboard recycling drop off operation at the Trail Road Landfill Site. The application was signed by Peter Filipowich, Coordinator Site Compliance, City of Ottawa dated May 5, 2012. The supporting documentation included the following:

i. Letter dated May 12, 2011 addressed to the Director, EAAB, Ministry of the Environment from Peter Filipowich, City of Ottawa

72. Email dated August 9, 2011 at 11:31 a.m. and attachments to Mr. Dale Gable, Ministry of the Environment from Mr. Peter Filipowich, City of Ottawa providing updated information on the operation of the proposed paper and cardboard recycling drop-off facility.

73. Application for amendment to Environmental Compliance Approval #A461303 (Trail Road Landfill Site) dated January 24, 2012 from Peter Filipowich, Coordinator, Site Compliance, City of Ottawa, including supporting documentation.

74. Small Loads Facility Design and Operations Report Addendum to Appendix M Design and Operations Report Trail Waste Facility Landfill Optimization and Expansion Project EA/EPA Document, March 2002, prepared October 2012 by the City of Ottawa.

75. Environmental Compliance Approval Application dated November 29, 2013 by the City of Ottawa and signed by Ms. Megan Wheeler-Cuddihy, City of Ottawa seeking approval to expand the Gas Collection and Flaring System into Phase 2 of the Site. The supporting documentation included the following report:

i. Report entitled "Landfill Gas Collection System Stage 2 Design Report - Trail Road Landfill Site" prepared for the City of Ottawa by Comcor Environmental Ltd. (Project No. 9-371) dated November 21, 2013.

76. Letter dated March 21, 2014 addressed to Megan Wheeler-Cuddihy, City of Ottawa from Dale Gable, Ministry of the Environment requesting additional information on the gas collection expansion.

77. Letter dated March 25, 2014 addressed to Dale Gable, Ministry of the Environment from Diana Pepall, Comcor Environmental Ltd. providing additional information on well locations and geomembrane removal and repair.

78. Application for a Certificate of Approval for a Waste Disposal Site dated July 21,

2011 and signed by Mr. Peter Filipowich, City of Ottawa and supporting documentation requesting an amendment to permit the construction and operation of a interim leachate pre-treatment system. The supporting documentation included the following:

- i. Report entitled " Short Term Contingency Leachate Treatment Plan Design Brief - Trail Waste Facility" prepared for the City of Ottawa by Conestoga-Rovers and Associates dated June 2011;
- ii. Drawing No. G-02 entitled "Interim Leachate Pre-Treatment System - Abbreviations and Detail Designations" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- iii. Drawing No. G-03 entitled "Interim Leachate Pre-Treatment System - Civil, Structural and Architectural; Legend" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- iv. Drawing No. G-04 entitled "Interim Leachate Pre-Treatment System - Mechanical Legend" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- v. Drawing No. G-05 entitled "Interim Leachate Pre-Treatment System - Instrumentation and Control Legend" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- vi. Drawing No. G-06 entitled "Interim Leachate Pre-Treatment System - Electrical Legend" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- vii. Drawing No. C-01 entitled "Interim Leachate Pre-Treatment System - Existing Conditions November 2010" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- viii. Drawing No. C-02 entitled "Interim Leachate Pre-Treatment System - Site Preparation" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- ix. Drawing No. C-03 entitled "Interim Leachate Pre-Treatment System - Final Conditions" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- x. Drawing No. C-04 entitled "Interim Leachate Pre-Treatment System - Site Layout and Grading Plan" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
- xi. Drawing No. C-05 entitled "Interim Leachate Pre-Treatment System - Leachate Forcemain Plan Profile" prepared by

Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xii. Drawing No. C-06 entitled "Interim Leachate Pre-Treatment System - Sections A-A' and B-B'" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xiii. Drawing No. C-07 entitled "Interim Leachate Pre-Treatment System - Section C-C'" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xiv. Drawing No. C-08 entitled "Interim Leachate Pre-Treatment System - Spill Containment Pad Grading and Details" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xv. Drawing No. C-09 entitled "Interim Leachate Pre-Treatment System - Civil Details 1 of 3" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xvi. Drawing No. C-10 entitled "Interim Leachate Pre-Treatment System - Civil Details 2 of 3" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xvii. Drawing No. C-11 entitled "Interim Leachate Pre-Treatment System - Civil Details 3 of 3" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xviii. Drawing No. M-01 entitled "Interim Leachate Pre-Treatment System - Mechanical Layout" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

ix. Drawing No. M-02 entitled "Interim Leachate Pre-Treatment System - Sections of Effluent Lift Station Stilling Well & MH-9" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xx. Drawing No. M-03 entitled "Interim Leachate Pre-Treatment System - Leachate Pre-treatment Container Mechanical Layout" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xxi. Drawing No. M-04 entitled "Interim Leachate Pre-Treatment System - Details" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;

xxii. Drawing No. IC-01 entitled "Interim Leachate Pre-Treatment System - Process & Instrumentation Diagram Leachate Pre-Treatment" prepared by Conestoga-Rovers &

Associates (Project No. 42287-41) and dated August 30, 2011;
xxiii. Drawing No. E-01 entitled "Interim Leachate Pre-Treatment System - Electrical site Plan" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
xxiv. Drawing No. E-02 entitled "Interim Leachate Pre-Treatment System - Leachate Pre-treatment Container Electrical Layout & Details" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
xxv. Drawing No. E-03 entitled "Interim Leachate Pre-Treatment System - Electrical Details" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
xxvi. Drawing No. E-04 entitled "Interim Leachate Pre-Treatment System - Single Line Diagram, Panel Schedule" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
xxvii. Drawing No. E-05 entitled "Interim Leachate Pre-Treatment System - Motor Control Schematics" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
xxviii. Drawing No. E-06 entitled "Interim Leachate Pre-Treatment System - Control Schematic 1 of 2" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011;
ivxxx. Drawing No. E-07 entitled "Interim Leachate Pre-Treatment System - Control Schematic 2 of 2" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011; and
xxx. Drawing No. E-08 entitled "Interim Leachate Pre-Treatment System - Existing Stage 3 Panel Modifications and Truck Filling Panel Layout" prepared by Conestoga-Rovers & Associates (Project No. 42287-41) and dated August 30, 2011.

79. Letter dated November 1, 2011 addressed to Mr. Peter Filipowich, City of Ottawa from Mr. Dale Gable, Ministry of the Environment requesting additional information on the proposed interim leachate pre-treatment system.
80. Letter dated November 11, 2011 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Gregory Ferraro, Conestoga-Rovers & Associates providing additional detail on the proposed interim leachate pre-treatment system.
81. Report entitled "Technical Specifications Interim Leachate Pretreatment System - Trail Waste Facility" prepared for the City of Ottawa by Conestoga-Rovers and Associates dated September 2011.

82. Environmental Compliance Approval Application signed by Peter Filipowich, City of Ottawa dated October 07, 2014 for approval of the Air Injection System and 5 new gas extraction wells.

83. Report entitled "Design Brief, Landfill Gas Migration Control System, Trail Road Landfill" dated July 4, 2014 prepared by Comcor Environmental Limited.

84. Report entitled "Operation and Maintenance Manual, Landfill Gas Migration Control System, Air Injection Barrier System, Trail Road Landfill Facility" dated July 4, 2014 prepared by Comcor Environmental Limited.

85. Environmental Compliance Approval Application signed by Marc Beauregard, City of Ottawa dated June 9, 2015, and the attachment including the detailed design drawings for Stage 1 Final Cove System and the Specifications.

86. Report entitled "Landfill Gas Collection System Stage 3 & 4 Design Report" dated May 10, 2017 prepared by Comcor Environmental Limited.

87. Letter dated October 16, 2017 to Rick Li, Ministry of the Environmental and Climate Change from Diana Pepall, Comcor Environmental Limited providing a response to the Ministry's review comments on Stage 3 and 4 landfill gas collection system.

88. Email from Diana Pepall, Comcor to Rick Li, Ministry of the Environmental and Climate Change dated October 19, 2017 regarding landfill gas collection pipe trench backfill material.

89. Environmental Compliance Approval Application for the Landfill Gas Perimeter Collection System signed by Peter Filipowich, City of Ottawa dated August 8, 2017.

90. Design Brief for Landfill Gas Perimeter Collection System, Trail Road Landfill prepared by Comcor Environmental Limited dated May 23, 2017.

91. Design drawing set for Landfill Gas Perimeter Collection System prepared by Comcor Environmental Limited dated July 21, 2017.

92. Letter addressed to Rick Li, Ministry of the Environment and Climate Change from Damon Jebodhsingh, Comcor Environmental Limited providing a response to the Ministry's comments on the LGPCS.

93. Letter dated July 6, 2022 and the attachment from Diana, Pepall, Comcor Environmental Limited to Rick Li, MECP, Re: ECA No. A461303 Amendment Stage 5 Landfill Gas Collection System Expansion, Trail Road Landfill, Ottawa, Ontario for the advanced installation of a portion of Stage 5 landfill gas header pipe (East Header).

94. Environmental Compliance Approval Application for approval of additional buffer areas to the Site for establishment of the Soil Management Facility signed by Brandon

Maynard, City of Ottawa dated October 28, 2021.

95. Report entitled "Soil Management Operations Manual, Trail Waste Facility Landfill Site" dated April 2022 prepared by Dillon Consulting.

96. Technical Memorandum dated July 15, 2022 prepared by Dillon Consulting providing a response to information request for application to amend the ECA No. A461303.

97. Technical Memorandum dated September 21, 2022 prepared by Dillon Consulting Re: Berm Assessment: Application to Amend ECA No. A461303.

98. Report entitled "Landfill Gas Collection System Stage 5 Design Report" dated January 20, 2023 prepared by Comcor Environmental Limited.

99. Letter dated May 5, 2023 addressed to Rick Li, MECP from Diana Pepall, Comcor Environmental Limited Re: Amendment to Existing ECA #A461303 Stage 5 Landfill Gas Collection System, MECP Ref # 1182-CN9SP8, for the installation of Horizontal Perimeter Collectors in Stage 5.

IV. Schedule "B" forms part of this ECA:

Schedule "B":

Maximum Daily Volume, Maximum Storage Volume and Maximum Retention Time for waste to be accepted at the Small Loads Facility.

Item #	Material Type	Maximum Daily Volume (m³)	Maximum Storage Volume (m³)	Maximum Retention Time (days)
1	Solid non-hazardous waste	3000	360	1 (up to 3 during holidays)
2	White Goods	100	2250	90
3	Black box materials	2	25	7
4	Blue box materials	2	10	7
5	Electronic waste	20	60	180
6	Mattresses	30	100	180
7	Polystyrene	2	50	180
8	Wood	10	500	180
9	Clean Drywall	10	30	90
10	Asphalt Shingles	30	90	180

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

- 1. The reason for Conditions 1.1 and 1.2 is to ensure that the Site is designed, operated, monitored and maintained 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.*
- 2. The reason for Conditions 1.3, 1.4, 1.5, 1.9, 1.10, 1.11, 1.12, 1.13 and 1.17 is to clarify the legal rights and responsibilities of the Owner under this Approval.*
- 3. Conditions 1.6, 1.7 and 1.8 are included to ensure that the appropriate Ministry staff have ready access to information and the operations of the Site, which are approved under this ECA.*
- 4. Conditions 1.14 and 1.15 are included, pursuant to subsection 197(1) of the EPA, to provide that any persons having an interest in the Site are aware that the land has been approved and used for the purposes of waste disposal.*
- 5. The reasons for Condition 1.16 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 Environmental Compliance Approval.*
- 6. The reasons for Conditions 1.17 and 1.18 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.*
- 7. The reason for Condition 1.19 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 Environmental Compliance Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA and OWRA.*
- 8. The reason for Conditions 2.1, 2.2, 2.3, 2.4, 13.1 and 13.2 is to establish a forum for the exchange of information and public dialogue on activities carried out at the landfill Site. Open communication with the public and local authorities is important in helping to maintain high standards for site operation and environmental protection.*
- 9. The reason for Conditions 3.1 to 3.7 is to ensure that the Site is designed, constructed and operated in an environmentally acceptable manner, based on the conceptual design and operations for the Site.*
- 10. The reason for Condition 3.8 is to ensure the availability of as-built drawings for inspection and information purposes.*
- 11. Condition 4.1 is included in order to ensure that waste disposal, waste transfer operations at the site is undertaken in accordance with applicable Ministry of the*

Environment regulations and guidelines. Compliance with these regulations and guidelines will ensure that the site does not cause and adverse effect on the environment.

- 12. Conditions 4.2 and 4.3 are to ensure the Owner has a operations plans for the site that details all current operations at the site and that a copy is kept on site for the Owner, the Owner's staff and/or operator. This is to ensure the site is operating in a safe manner and the environment and human health are protected.*
- 13. The reasons for Conditions 4.4, 4.5, 4.6 and 4.7 are to specify the normal hours of operation for the landfill Site and a mechanism for amendment of the hours of operation.*
- 14. The reason for Conditions 4.8 and 4.9 is to ensure that users of the Site are fully aware of important information and restrictions related to Site operations under this Environmental Compliance Approval.*
- 15. The reason for Condition 4.10 is to ensure there is a road access for vehicles at the Site.*
- 16. The reasons for Condition 4.11 is to specify site access to/from the Site and 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.*
- 17. The reasons for Conditions 4.12 and 4.13 are to ensure the owner conducts inspections to ensure that only allowable waste under this ECA is accepted at the site and to allow the Ministry to consider and take appropriate action in a timely manner under this ECA or any statute or regulation in relation to a waste load rejection. This is to ensure the long-term health and safety of the public and the environment.*
- 18. The reasons for Conditions 4.14, 4.15, 4.16, 4.17 and 4.18 is to ensure that the Site is operated, inspected and maintained in an environmentally acceptable manner and does not result in a hazard or nuisance to the natural environment or any person.*
- 19. The reason for Condition 4.19 is to ensure the owner calls the Spills Action Centre in the event of a spill.*
- 20. The reason for Conditions 4.20 and 4.21 is to ensure that appropriate measures are taken in order to prevent surface water from contacting waste so as not to cause an adverse effect on the environment.*
- 21. The reason for Condition 4.22 is ensure that concentrations of landfill gas do not pose a hazard to human health or the environment.*
- 22. The reason for Condition 4.23 is to ensure the owner maintains the invert of the outlet of the culvert such that the groundwater discharge in the area is controlled as per submitted information.*

23. *The reasons for Conditions 4.24 and 4.25 is to ensure the Owner retains a licensed hauler when removing leachate from the site and that the owner submit an application for approval prior to the on-site leachate treatment facility being operational such that the works may be incorporated into the ECA.*
24. *The reasons for Conditions 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 and 5.7 is to specify the approved areas from which waste may be accepted at the Site and the types and amounts of waste that may be accepted for disposal at the Site, based on the Owner's application and supporting documentation.*
25. *The reason for Condition 5.8 is to clearly identify the cell development as indicated in the Design and Operations Plan for the Site.*
26. *The reasons for Conditions 5.9, 5.10, 5.11, 5.12 and 5.13 is to ensure the GCLs and geomembranes meets the design requirements, installed and inspected as indicated in the application submission.*
27. *The reasons for Conditions 5.14 and 5.15 is to ensure the underlying soils are inspected by a qualified person and confirms that further construction of the Cell may proceed.*
28. *The reason for Conditions 5.16, 5.17, 5.18, 5.19, 5.36, 5.37, 5.38, 5.39, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 9.10, 9.11 and 9.12 are to ensure that the Site is designed, constructed and operated in an environmentally acceptable manner, based on the conceptual design and operations for the Site.*
29. *The reason for Conditions 5.20, 5.21, 5.22, 5.23, 5.24, 5.25 and 5.26 are to specify restrictions on the extent of landfilling at this Site based on the Owner's application and supporting documentation. These limits define the approved volumetric capacity of the site. Approval to landfill beyond these limits would require an application with supporting documentation submitted to the Director.*
30. *The reason for Conditions 5.27 and 5.28 is to ensure that landfilling operations are conducted in an environmentally acceptable manner. Daily and intermediate cover is used to control potential nuisance effects, to facilitate vehicle access on the site, and to ensure an acceptable site appearance is maintained. The proper closure of a landfill site requires the application of a final cover which is aesthetically pleasing, controls infiltration, and is suitable for the end use planned for the site.*
31. *The reason for Conditions 5.29 and 5.30 are to specify the approval requirements for use of alternative cover material at the Site.*
32. *The reason for Condition 5.31 is that open burning of municipal waste is unacceptable because of concerns with air emissions, smoke and other nuisance affects, and the potential fire hazard.*
33. *The reason for Condition 5.32 is to approve the request to store soils from water*

main break repairs as per the submitted information.

34. *The reason for Conditions 5.33, 5.34 and 5.35 are to ensure the owner samples the material in a timely fashion and removes the material in a approved manner.*
35. *The reason for Conditions 6.1 and 6.2 are to ensure the max. daily volumes of the drop of facility are clearly identified to the Owner.*
36. *The reason for Conditions 6.3 to 6.6 is to ensure the waste drop off facility is operated in a safe and environmentally friendly manner.*
37. *The reasons for Condition 6.7 is to ensure the operation of the remainder of the waste drop off facility is incorporated into the ECA. This is to ensure the long-term health and safety of the public and the environment.*
38. *The reasons for Conditions 7.1, 7.2, 7.3, 7.4 , 7.5, 7.6, 7.7, 7.8, 7.9, 7.10, 7.11 and 7.12 are to approve the composting operations as the submitted materials and to ensure the long-term health and safety of the public and the environment.*
39. *The reason for Condition 8.1 is to approve the Soil Management Facility within the additional buffer areas for the management of excess soil from both on-site and off-site sources.*
40. *The reason for Conditions 8.2 to 8.6 is to specify the type and quantity of soil that can be accepted at the Soil Management Facility and clarify the quality standards.*
41. *The reason for Conditions 8.7, 8.8 and 8.9 is to ensure only soil meet the approved quality criteria is accepted at the Soil Management Facility, and the rejected soil is properly managed in accordance with Regulation 347.*
42. *The reason for Conditions 8.10, 8.11 and 8.12 is to require confirmatory soil testing and audit sampling to ensure that the accepted soil meets the approved quality standards.*
43. *The reason for Conditions 8.13 to 8.17 is to ensure the soil stockpiles are managed according to the approved Operations Manual and operations of the facility does not result in adverse effect to the environment.*
44. *The reason for Condition 8.18 is to ensure excess soil at the Soil Management Facility is reused or final disposed in accordance with O. Reg. 406/19.*
45. *The reason for Conditions 8.19 and 8.20 is to ensure operational data of the Soil Management Facility is properly documented and soil movement is tracked in accordance with the Excess Soil Regulation.*
46. *The reason for the amendment to Condition 9.1 is to incorporate the proposed expansion of the gas collection system in Phase 2 into the ECA. This is to ensure the system is protective of the environment and human health.*
47. *The reason for Condition No. 9.13 is to incorporate the proposed construction of the Interim Leachate Pre-Treatment Facility into the ECA based on the submitted*

information. This is to ensure the protection of the environment and human health.

- 48. The reasons for Condition 9.14 are to ensure the Air Injection System was constructed and will be operated in a manner that protective of the environment and human health.*
- 49. Conditions 10.1 and 10.2 are needed to ensure regular inspections of the site are conducted in order to protect the natural environment.*
- 50. The reason for Conditions 10.7 through 10.11 is to ensure that accurate waste records are maintained to ensure compliance with the conditions in this ECA (such as fill rate, site capacity, record keeping, annual reporting, and financial assurance requirements), the EPA and its regulations.*
- 51. The reasons for Conditions 11.1 to 11.5 inclusive are to ensure protection of the natural environment and the integrity of the groundwater monitoring network.*
- 52. The reason for Condition 11.6 inclusive is to demonstrate that the landfill site is performing as designed and the impacts on the natural environment are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.*
- 53. The reason for Conditions 12.1 through 12.3 is to ensure that the Owner follows a plan with an organized set of procedures for identifying and responding to unexpected but possible problems at the Site. A remedial action / contingency plan is necessary to ensure protection of the natural environment. A leachate contingency plan is a specific requirement of Reg. 232.*
- 54. Conditions 14.1, 14.2, 14.3, 14.4 and 14.5 are contained in the ECA to guarantee that appropriate measures are taken by the County to prevent future occurrences of spills fires at the site and to protect public health and safety and the environment.*
- 55. The reason for Condition 15.1 is to ensure that the Site is supervised and operated by properly trained staff in a manner which does not result in a hazard or nuisance to the natural environment or any person.*
- 56. The reasons for Conditions 16.1 and 16.2 are 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.*
- 57. The reasons for Condition 17.1 is to ensure that final closure of the Site is completed in an aesthetically pleasing manner and to ensure the long-term protection of the natural environment.*
- 58.*

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A461303 issued on May 16, 2006

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me and the Ontario Land Tribunal within 15 days after receipt of this notice, require a hearing by the Tribunal. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") 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:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

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 Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental*

Protection Act.

DATED AT TORONTO this 28th day of June, 2023

Mohsen Keyvani, P.Eng.

Director

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

RL/

c: District Manager, MECP Ottawa

Diana Pepall P. Eng., Comcor Environmental Limited