

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2945-BGBKJA
Issue Date: October 28, 2019

York Environmental Solutions Ltd. as general partner for
and on behalf of York Environmental Solutions, LP
125 Villarboit Cres
Vaughan, Ontario
L4K 4K2

Site Location: Bethridge Road Construction Waste Processing Site
195 Bethridge Rd
Toronto City,
M9W 1N4

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:

Establishment of a stormwater management facility at the York Environmental Bethridge Road Construction Waste Processing Site to service a total of 1.36 ha drainage area including a processing and waste transfer facility, located in the City of Toronto, designed to provide quality control of stormwater flows from storm events up to 1:100 year return frequency, discharging to a municipal storm sewer which eventually discharges to the Humber River, consisting of the following:

PROPOSED WORKS:

- One (1) 100 mm diameter 140 m long floor drain conveying stormwater runoff from non-hazardous soil process and storage concrete pad, located at the southern part of site, discharging to a stormwater catch basin;
- Two (1) 100 mm diameter 180 m long floor drains conveying stormwater runoff from non-hazardous soil process and storage concrete pad, located at the northern part of site, discharging to two (2) stormwater manholes;
- One (1) 400 mm diameter 90 m long **Eastern Storm Sewer** conveying stormwater runoff collected by sheet flow from a total drainage area of 0.35 ha through three (3) catch basins and one (1) manhole from the southern and eastern part of the site, discharging to the Eastern Oil/Grit Separator described below;
- One (1) 400 mm diameter 43 m long **Western Storm Sewer** conveying stormwater runoff

collected by sheet flow from a total drainage area of 1.25 ha through two (2) catch basins and one (1) manhole from the north-western part of the site, discharging to the Western Oil/Grit Separator described below;

- One (1) precast concrete **Eastern Oil/Grit Separator** (Storm Drain Technologies Model SDT 460 or approved equivalent) with an oil holding capacity of 401 litres, a sediment holding capacity of 254 litres, designed to handle stormwater runoff from a total drainage area of 0.35 ha and provide an enhanced level of quality treatment (up to 90% TSS removal), discharging through one (1) 400 mm diameter storm sewer to a 650 mm diameter municipal storm sewer running along Bethridge Road;
- One (1) precast concrete **Western Oil/Grit Separator** (Storm Drain Technologies Model SDT 670 or approved equivalent) with an oil holding capacity of 1,063 litres, a sediment holding capacity of 707 litres, designed to handle stormwater runoff from a total drainage area of 1.25 ha and provide an enhanced level of quality treatment (up to 90% TSS removal), discharging through one (1) 400 mm diameter storm sewer to a 650 mm diameter municipal storm sewer running along Bethridge Road;
- Including all controls and associated appurtenances.

All in accordance with the documents listed in Schedule 'A'.

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

"Approval" means this entire document and any schedules attached to it, and the application;

"Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;

"District Manager" means the District Manager of the Toronto District Office;

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

"Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;

"Owner" means York Environmental Solutions Ltd. and its successors and assignees;

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

"Works" means the sewage works described in the Owner's application, and this Approval.

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

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

- (1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- (2) Except as otherwise provided by these conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
- (3) Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.
- (4) Where there is a conflict between the documents listed in the Schedule submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- (5) The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

3. CHANGE OF OWNER

The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

- (a) change of Owner;
- (b) change of address of the Owner;
- (c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; and
- (d) change of name of the corporation where the Owner is or at any time becomes a

corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

4. MONITORING AND RECORDING

The Owner shall carry out the following monitoring program:

- (1) All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
- (2) The Owner shall collect stormwater grab samples from the following designated sampling location once during **Spring, Summer, and Fall**^{*Note 2} and analyse for the following parameters listed below:

Table 1 - Stormwater Monitoring		
Sampling Location: Eastern Oil/Grit Separator Discharge Outlet		
Parameter	Parameter (*Note 1)	Field Parameter
Alkalinity	Arsenic	pH
Chloride	Barium	Temperature
Conductivity	Boron	Conductivity
Nitrate	Cadmium	Dissolved Oxygen (DO)
Nitrite	Chromium	
Total Kjeldahl Nitrogen (TKN)	Copper	
pH	Iron	
Phenol	Lead	
Sulphate	Mercury	
Total Ammonia Nitrogen	Zinc	
Total Suspended Solids (TSS)		
Total Phosphorus		

* **Note 1:** All metals will be analysed for total metal concentration.

***Note 2:** Stormwater samples shall be collected from the sampling location after a rainfall event causing stormwater discharge from the oil/grit separator.

- (3) The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
 - (a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended;

- (b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended; and
 - (c) the publication "Standard Methods for the Examination of Water and Wastewater", as amended.
- (4) The measurement frequencies specified in subsection (2) in respect to any parameter are minimum requirements which may, after three (3) years of monitoring in accordance with this Condition, be modified by the District Manager in writing from time to time.
- (5) The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval at the Works operational office or Owner's Head Office.

5. OPERATION AND MAINTENANCE.

- (1) The Owner shall inspect the Works at least once a year and, if necessary, clean and maintain the Works to prevent the excessive build-up of sediments and/or vegetation.
- (2) The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the operational headquarter of the Owner for inspection by the Ministry. The logbook shall include the following:
- (a) the name of the Works;
 - (b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed; and
 - (c) the date of each spill within the catchment area, including follow-up actions / remedial measures undertaken.
- (3) The Owner shall prepare an operations manual within six (6) months of the issuance date of this Approval, that includes, but not necessarily limited to, the following:
- (a) operating procedures for routine operation of the Works;
 - (b) inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;

- (c) repair and maintenance programs, including the frequency of repair and maintenance for the Works;
 - (d) procedures for the inspection and calibration of monitoring equipment; and
 - (e) procedures for receiving, responding and recording public complaints, including recording any follow up actions taken.
- (4) The Owner shall maintain the operations manual current and retain a copy at the location of the Works or operational office of the Owner for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
- (5) The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

6. REPORTING

- (1) In addition to the obligations under Part X of the Environmental Protection Act, the Owner shall, within 10 working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by product, intermediate product, oils, solvents, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.
- (2) The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
- (3) The Owner shall prepare, and submit upon request to the District Manager, a performance report for the Works within ninety (90) days following the end of the calendar year being reported upon. The first such report shall cover the period following the commencement of operation of the Works and subsequent reports shall be prepared to cover successive calendar years following thereafter. The report shall contain, but shall not be limited to, the following information:
- (a) a summary and interpretation of all stormwater monitoring data collected under Condition 4(2) and an overview of the success and adequacy of the Works;
 - (b) a description of any operating problems encountered and corrective

actions taken;

- (c) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;
- (d) a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- (e) any other information the District Manager requires from time to time.

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that the Works are constructed in a timely manner so that standards applicable at the time of Approval of the Works are still applicable at the time of construction, to ensure the ongoing protection of the environment
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved works and to ensure that subsequent owners of the works are made aware of the Approval and continue to operate the works in compliance with it.
4. Condition 4 is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
5. Condition 5 is included to require that the Works be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, the inclusion of a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the owner and made available to the Ministry.
6. Condition 6 is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.

Schedule 'A'

I. PROPOSED WORKS:

1. Application for an Environmental Compliance Approval (ECA) submitted by York Environmental Solutions Ltd. dated June 21, 2019 and supporting document and design specification and engineering drawings prepared by XCG Consulting Limited, Kitchener, Ontario dated June 21, 2019.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario
M7A 2J3

AND

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

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

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

DATED AT TORONTO this 28th day of October, 2019



Fariha Pannu, P.Eng.

Director

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

SH/

c: District Manager, MECP Toronto - District
Jeff Campbell, O2E Inc.