

ENVIRONMENTAL COMPLIANCE APPROVALNUMBER 4742-B3ULFF
Issue Date: March 7, 2019

Taggart Miller Environmental Services Inc.
225 Metcalfe St, No. 708
Ottawa, Ontario
K2P 1P9

Site Location: Capital Region Resource Recovery Centre
Lot 22-25, Concession XI, Township of Cumberland
City of Ottawa

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 stormwater management facility to service a total drainage area of 191.7 ha of the Capital Region Resource Recovery Centre (CRRRC) (Site) for the recovery of resources and diversion of materials from wastes that are generated by industrial, commercial and institutional, and construction and demolition sectors in the approved Service Area, located at the east part of the City of Ottawa just southeast of the Highway 417/Boundary Road intersection, designed to provide quality and quantity of control of non-contact stormwater runoff from the site to pre-development levels for storm events up to 1:100 year return frequency, all discharging to Shaw's Creek which is a tributary of the South Nation River, consisting of the following:

PROPOSED WORKS:**Stormwater Management Facilities**

Construction of stormwater conveyance and management facilities to service a total drainage area of 82.1 ha discharging to the **Simpson Municipal Drain** and then to Shaw's Creek, consisting of the following:

SWM Pond #1

- One (1) approximately 930 m long landfill perimeter vegetated trapezoidal ditch, having a bottom width of 1.0 m, a minimum depth of 0.7 m, a 7H:1V side slope on the landfill side and a 3 H:1V side slope on the outer side, and a horizontal slope of 0.35%, running along the northwest part of the landfill, discharging to SWM Pond #1 described below;

- One (1) approximately 200 m long landfill perimeter vegetated trapezoidal ditch, having a bottom width of 1.0 m, a minimum depth of 0.5 m, a 7H:1V side slope on the landfill side and a 3H:1V side slope on the outer side, and a horizontal slope of 1.5%, running along the north part of the landfill, discharging to SWM Pond #1 described below;
- One (1) stormwater management pond (**SWM Pond #1**) located on the north part of the landfill site, having a permanent pool maximum depth of 1.85 m, forebay maximum depth of 1.7 m and length of 54 m, a length to width ratio of 27.9:1, providing a permanent storage of 4,451 m³ and an active storage capacity of 46,867 m³ (total storage capacity of 51,318 m³), discharging to the Simpson Municipal Drain through one (1) 375 mm diameter outlet pipe equipped with one (1) 90 mm diameter control orifice at elevation 76.0 m and one (1) 750 mm diameter outlet pipe equipped with one (1) 500 mm diameter control orifice at elevation 77.45 m, and one (1) 6 m wide overflow weir at elevation 78.20 m; and
- Including all controls and associated appurtenances.

SWM Pond #3

- One (1) approximately 250 m long interior ditch, having a bottom width of 1.0 m, a minimum depth of 1.0 m, a 4H:1V side slope, and a horizontal slope of 0.15%, running along the west part of the diversion area of the site, discharging to SWM Pond #3 described below;
- One (1) stormwater management pond (**SWM Pond #3**) located on the southwest part of the diversion area of the site, having a permanent pool maximum depth of 1.5 m, forebay maximum depth of 1.5 m and length of 40.0 m, a length to width ratio of 11.5:1, providing a permanent storage of 2,803 m³ and an active storage capacity of 5,794 m³ (total storage capacity of 8,597 m³), discharging to the Simpson Municipal Drain through one (1) 375 mm diameter outlet pipe equipped with one (1) 90 mm diameter control orifice at elevation 75.25 m, one 750 mm diameter outlet pipe equipped with one (1) 500 mm diameter control orifice at elevation 76.05 m, and one (1) 10 m wide overflow weir at elevation 76.40 m; and
- Including all controls and associated appurtenances.

SWM Pond #4B

- One (1) approximately 320 m long interior ditch, having a bottom width of 1.0 m, a minimum depth of 0.5 m, a 4H:1V side slope, and a horizontal slope of 0.15%, running along the east part of the diversion area of the site, discharging to SWM Pond #4B described below;
- One (1) stormwater management pond (**SWM Pond #4B**) located on the southeast part of the diversion area of the site, having a permanent pool maximum depth of 1.5 m, forebay maximum depth of 1.25 m and length of 51 m, a length to width ratio of 23.6:1, providing a permanent storage of 3,407 m³ and an active storage capacity of 10,372 m³ (total storage capacity of 13,779 m³), discharging to the Simpson Municipal Drain through one (1) 375 mm diameter outlet pipe

equipped with one (1) 90 mm diameter control orifice at elevation 75.25 m, one (1) 600 mm diameter outlet pipe equipped with one (1) 450 mm diameter control orifice at elevation 76.25 m, and one (1) 10 m wide overflow weir at elevation 76.45 m; and

- Including all controls and associated appurtenances.

Construction of stormwater conveyance and management facilities to service a total drainage area of 83.7 ha discharging to the **Wilson-Johnston Municipal Drain** and then to Shaw's Creek, consisting of the following:

SWM Pond #2

- One (1) approximately 500 m long landfill perimeter vegetated trapezoidal ditch, having a bottom width of 1.0 m, a minimum depth of 0.7 m, a 7H:1V side slope on the landfill side and a 3H:1V side slope on the outer side, and a horizontal slope of 0.35%, running along the northeast part of the landfill, discharging to SWM Pond #2 described below;
- One (1) approximately 750 m long landfill perimeter vegetated trapezoidal ditch, having a bottom width of 1.0 m, a minimum depth from 0.9 m to 1.1 m, a 7H:1V side slope on the landfill side and a 3H:1V side slope on the outer side, and a horizontal slope of 0.35%, running along the south part of the landfill, discharging to SWM Pond #2 described below;
- One (1) stormwater management pond (**SWM Pond #2**) located on the east part of the landfill site, having a permanent pool maximum depth of 1.5 m, with two (2) forebays, one (1) with a maximum depth of 1.3 m and length of 36 m and the other with a maximum depth of 0.45 m, a length to width ratio of 91.3:1, providing a permanent storage of 9,609 m³ and an active storage capacity of 88,869 m³ (total storage capacity of 98,478 m³), discharging to the Wilson-Johnston Municipal Drain through one (1) 375 mm diameter outlet pipe equipped with one (1) 130 mm diameter control orifice at elevation 75.35 m, and two (2) 375 mm diameter outlet pipes at elevation 76.65 m, and one (1) 10 m wide overflow weir at elevation 77.0 m; and
- Including all controls and associated appurtenances.

Construction of stormwater conveyance and management facilities to service a total drainage area of 25.9 ha discharging to the **Regimbald Municipal Drain** and then to Shaw's Creek, consisting of the following:

SWM Pond #5A

- One (1) approximately 450 m long interior ditch, having a bottom width of 1.0 m, a minimum depth of 0.5 m, a 4H:1V side slope, and a horizontal slope of 0.15%, running along the north and west part of the diversion area of the site, discharging to SWM Pond #5A described below;
- One (1) stormwater management pond (**SWM Pond #5A**) located on the north part of the diversion area of the site, having a permanent pool maximum depth of 1.85 m, a length to width

ratio of 11.5:1, providing a permanent storage of 13,554 m³ and an active storage capacity of 10,134 m³ (total storage capacity of 23,688 m³), discharging through three (3) 600 mm diameter outlet pipes at elevation 75.70 m to SWM Pond #5B described below; and

- Including all controls and associated appurtenances.

SWM Pond #5B

- One (1) approximately 370 m long interior ditch, having a bottom width of 1.0 m, a minimum depth of 0.5 m, a 4H:1V side slope, and a horizontal slope of 0.15%, running along the north and east part of the diversion area of the site, discharging to SWM Pond #5B described below;
- One (1) stormwater management pond (**SWM Pond #5B**) located on the north and east of the diversion area of the site, having a permanent pool maximum depth of 1.85 m, a length to width ratio of 11.5:1, providing a permanent storage of 9,542 m³ and an active storage capacity of 10,830 m³ (total storage capacity of 20,372 m³), discharging through one (1) 900 mm diameter outlet pipe equipped with one (1) 700 mm diameter control orifice to the Regimbald Municipal Drain; and
- 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 Ottawa District Office of the Ministry;

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

"Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;

"Limited Operational Flexibility" (LOF) means any modifications that the Owner is permitted to make to the Works under this Approval;

"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;

"Notice of Modifications" means the form entitled "Notice of Modifications to Sewage Works";

"Owner" means Taggart Miller Environmental Services Inc. and its successors and assignees;

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

"Proposed Works" means the sewage works described in the Owner's application, this Approval, to the extent approved by this Approval;

"Substantial Completion" has the same meaning as "substantial performance" in the Construction Lien Act;

"Works" means the sewage works described in the Owner's application, and this Approval, and includes Proposed Works and modifications made under Limited Operational Flexibility.

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 CONDITION

- (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 of 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, with the exception of the southern and western portion of Pond 2 that will be constructed together with the construction of Phase 2 of the landfill within ten (10) 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. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS

- (1) Upon the Substantial Completion of the Works, the Owner shall prepare a statement, certified by a Professional Engineer, that the Works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by Ministry personnel.
- (2) Within one (1) year of the Substantial Completion of the Works, a set of as-built drawings showing the Works “as constructed” shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the Works for the operational life of the Works.

5. SWM PONDS EFFLUENT OBJECTIVES

- (1) The Owner shall use best efforts to design, construct and operate the Works (**SWM Ponds # 1, 2, 3, 4B, 5A, and 5B**) with the objective that the concentrations of the effluent parameters named below comply with the objective concentration set out below.

Table 1 - Effluent Objectives	
Effluent Parameter	Effluent Objective Concentration (milligrams per litre unless otherwise indicated)
Column 1	Column 2
Ammonia (unionized)	0.02
Boron	0.2
Iron	1.05
Phosphorus, total	0.09
Phenols	0.004
pH of the effluent maintained between 6.0 to 9.5, inclusive, at all times	

- (2) If at any time, the stormwater quality does not comply with the effluent objective concentration(s) stipulated under subsection (1), the Owner shall take a confirmatory sample within two (2) weeks of receiving the information indicating that there has been an

exceedance of the effluent objective concentration(s). If the effluent objective concentration(s) exceedance is confirmed, the Owner shall implement the "**Stormwater Management Contingency and Remedial Action Plan**" prepared under Condition 7 (1) to identify the cause of the elevated concentrations and implement appropriate remedial measures.

- (3) Upon receipt of confirmation of the occurrence of an exceedance of any of the effluent objective concentration(s) for any of the parameters listed in Table 1, the Owner shall notify the District Manager orally, as soon as possible, and in writing within fifteen (15) days of the receipt of the confirmation of occurrence of the exceedance.

6. 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 pond effluent stream over the time period being monitored.
- (2) The Owner shall collect a grab sample of stormwater from the following sampling location during **spring, summer and fall periods** (total of three samples per year) and analyse for the parameters listed below.

Table 2 - Stormwater Monitoring ^{*NOTE 1} Sampling Locations: SWM Ponds # 1, 2, 3, 4B, 5A, and 5B		
Parameter	Parameter	Field -Parameter
Alkalinity (as CaCO3)	Arsenic, total	Conductivity
Ammonia (as N)	Barium, total	Dissolved Oxygen
Biological Oxygen Demand (CBOD ₅)	Boron, total	Temperature
Calcium	Cadmium, total	pH
Chemical Oxygen Demand (COD)	Chromium, total	
Chloride, total	Copper, total	
Conductivity (uS/cm)	Iron, total	
Magnesium	Lead, total	
Manganese	Mercury, total	
Nitrate (as N)	Zinc, total	
Nitrite (as N)		
Total Kjeldhal Nitrogen (TKN)		
pH		
Phenol		
Phosphorus, total		
Sulfate, total		
Total Dissolved Solids (TDS)		
Total Suspended Solids (TSS)		

NOTE 1: A stormwater grab sample shall be collected after a rainfall event causing stormwater discharge from the Works (**SWM Ponds # 1, 2, 3, 4B, 5A, and 5B**) to the existing municipal drain.

- (3) The methods and protocols for sampling, analysis, toxicity testing, and recording shall conform, in order of precedence, to the methods and protocols specified in the following:
 - (a) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended from time to time by more recently published editions; and
 - (b) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition) as amended from time to time by more recently published editions.
- (4) The sampling frequencies specified in subsection (2) in respect of any parameter are minimum requirements which may, after two (2) 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.

7. OPERATION AND MAINTENANCE

- (1) Within one (1) year of the commencement of operation of the proposed Works (**SWM Ponds # 1, 2, 3, 4B, 5A, and 5B**), the Owner shall prepare a "**Stormwater Management Contingency and Remedial Action Plan**" for the Works and submit it for approval to the District Manager and send a copy to the Director;
- (2) The Owner shall prepare an updated operations manual within one (1) year of the issuance date of this Approval, that includes, but not necessarily limited to, the following information:
 - (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;
 - (e) a spill prevention control and countermeasures plan, consisting of contingency

plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the District Manager; and

- (f) procedures for receiving, responding and recording public complaints, including recording any follow up actions taken.
- (3) 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.
- (4) 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.
- (5) The Owner shall maintain a logbook to record the results of the inspections completed under subsection (4) and any cleaning and maintenance operations undertaken, and shall keep the logbook at the site or operational office of the Owner for inspection by the Ministry. The logbook shall include the following:
 - (a) the name of the Works; and
 - (b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.
- (6) Discharge of any potentially contaminated stormwater to the receiving surface water from the Works is prohibited, except where it is necessary to avoid loss of life, personal injury, danger to public health or severe property damage;
- (7) 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 and monitoring activities required by this Approval.

8. LIMITED OPERATIONAL FLEXIBILITY

- (1) The Owner may make modifications to the Works in accordance with the Terms and Conditions of this Approval and subject to the Ministry's "Limited Operational Flexibility Criteria for Modifications to Sewage Works", included under Schedule B of this Approval, as amended.
- (2) Sewage works under Limited Operational Flexibility shall adhere to the design guidelines contained within the Ministry's publication "Stormwater Management Planning and Design Manual – March 2003", as amended.
- (3) The Owner shall ensure at all times, that the Works, related equipment and appurtenances which are installed or used to achieve compliance are operated in accordance with all Terms and Conditions of this Approval.

- (4) For greater certainty, the following are not permitted as part of Limited Operational Flexibility:
 - (a) Modifications to the Works that result in an increase of the approved drainage area serviced by the Works or changes that adversely affect the operational capacity of the Works;
 - (b) Modifications to the Works that may adversely affect the quality treatment criteria of the Works or the location of the discharge/outfall;
 - (c) Modifications to the treatment process technology of the Works, or modifications that involve construction of new reactors (tanks) or alter the treatment train process design;
 - (d) Modifications to the Works approved under s.9 of the EPA, and
 - (e) Modifications to the Works pursuant to an order issued by the Ministry.
- (5) Implementation of Limited Operational Flexibility is not intended to be used for piecemeal measures that result in major alterations or expansions.
- (6) If the implementation of Limited Operational Flexibility requires changes to be made to the Emergency Response, Spill Reporting and Contingency Plan, the Owner shall, provide a revised copy of this plan to the local fire services authority prior to implementing Limited Operational Flexibility.
- (7) For greater certainty, any modification made under the Limited Operational Flexibility may only be carried out after other legal obligations have been complied with, including those arising from the *Environmental Protection Act*, *Niagara Escarpment Planning and Development Act*, *Oak Ridges Moraine Conservation Act*, *Lake Simcoe Protection Act* and *Greenbelt Act*.
- (8) At least thirty (30) days prior to implementing Limited Operational Flexibility, the Owner shall complete a Notice of Modifications describing any proposed modifications to the Works and submit it to the District Manager.
- (9) The Owner shall not proceed with implementation of Limited Operational Flexibility until the District Manager has provided written acceptance of the Notice of Modifications or a minimum of thirty (30) days have passed since the day the District Manager acknowledged the receipt of the Notice of Modifications.

9. REPORTING

- (1) In addition to the obligations under Part X of the Environmental Protection Act, the Owner shall, within ten (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, oil, solvent, 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 prepare and submit a performance report to the District Manager on an annual basis within ninety (90) days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the works and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
 - (a) a summary and interpretation of all monitoring data collected under Condition 6, including 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 the calibration and maintenance carried out on all stormwater monitoring equipment;
 - (e) a copy of all Notice of Modifications submitted to the District Manager as a result of Schedule B, Section 1, with a status report on the implementation of each modification;
 - (f) a report summarizing all modifications completed as a result of Schedule B, Section 3; and
 - (g) any other information the District Manager may require 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 ensure that the Works are constructed in accordance with the approval and that record drawings of the Works “as constructed” are maintained for future references.
5. Condition 5 is included to require the Owner to demonstrate on a continual basis that the quality and quantity of the effluent from the approved works are consistent with the Ministry's effluent objectives and that the approved works do not cause any impairment to the receiving watercourse.
6. Condition 6 is included to provide a performance record for future references and to ensure that the Ministry is made aware of problems as they arise, so that the Ministry can work with the Owner in resolving the problems in a timely manner.
7. Condition 7 is included to ensure that 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. Such a manual is an integral part of the operation of the works. Its compilation and use should assist the owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the owner's operation of the works.
8. Condition 8 is included to ensure that the Works are operated 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. These conditions are also included to ensure that a Professional Engineer has reviewed the proposed modifications and attests that the modifications are in line with that of Limited Operational Flexibility, and provide assurance that the proposed modifications comply with the Ministry's requirements stipulated in the terms and conditions of

this Approval, MECP policies, guidelines, and industry engineering standards and best management practices.

9. Condition 9 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 Taggart Miller Environmental Services Inc. dated February 9, 2018 and design specification and engineering drawings prepared by Golder Associates Ltd., Ottawa, Ontario dated December 2014.
2. Response to additional information request dated September 26, 2018 submitted by Golder Associates Ltd., Ottawa, Ontario.
3. Revised Stormwater Management System Design Report dated June 15, 2018 prepared by Golder Associates Ltd., Ottawa, Ontario.
4. Revised Stormwater Management System Design Report dated December 2018 and revised engineering drawings prepared by Golder Associates Ltd., Ottawa, Ontario.
5. Technical Memorandum dated January 10, 2019 prepared by Golder Associates Ltd., Ottawa, Ontario.
6. Assessment of Stormwater Discharge Trigger Parameters, Capital Region Resources Recovery Centre (CRRRC), dated February 7, 2019, prepared by Dana Cruikshank, Surface Water Specialist, Water Resources Group, Eastern Region, MECP.
7. Technical Memorandum dated January 31, 2019 prepared by Golder Associates Ltd., Ottawa, Ontario.
8. Email dated February 15, 2019 from Paul Smolkin of Golder Associates Ltd. to Stefanos Habtom, and email response from Stefanos Habtom dated February 25, 2019.

Schedule B

Limited Operational Flexibility Criteria for Modifications to Industrial Sewage Works

1. The modifications to sewage works approved under an Environmental Compliance Approval (Approval) that are permitted under the Limited Operational Flexibility (LOF), are outlined below and are subject to the LOF conditions in the Approval, and require the submission of the Notice of Modifications. If there is a conflict between the sewage works listed below and the Terms and Conditions in the Approval, the Terms and Conditions in the Approval shall take precedence.
 - 1.1 Stormwater Management System
 - a. Modifications of stormwater management works to service the existing approved drainage area located within the site, provided that there is no increase in the average impervious area established in the original design and the discharges from the site will not exceed the attenuated flows established in the original design.
 - b. Installation of new oil grit separators.
2. Sewage works that are exempt from section 53 of the OWRA by O. Reg. 525/98 continue to be exempt and are not required to follow the notification process under this Limited Operational Flexibility.
3. Normal or emergency operational modifications, such as repairs, reconstructions, or other improvements that are part of maintenance activities, including cleaning, renovations to existing approved sewage works equipment, provided that the modification is made with Equivalent Equipment, are considered pre-approved.
4. The modifications noted in section (3) above are not required to follow the notification protocols under Limited Operational Flexibility, provided that the number of pieces and description of the equipment as described in the Approval does not change.

RETAIN COPY OF COMPLETED FORM AS PART OF THE ECA AND SEND A COPY TO THE WATER SUPERVISOR (FOR MUNICIPAL) OR DISTRICT MANAGER (FOR NON-MUNICIPAL SYSTEMS)

Part 1 – Environmental Compliance Approval (ECA) with Limited Operational Flexibility <i>(Insert the ECA's owner, number and issuance date and notice number, which should start with "01" and consecutive numbers thereafter)</i>		
ECA Number	Issuance Date (mm/dd/yy)	Notice number (if applicable)
ECA Owner		Municipality

Part 2: Description of the modifications as part of the Limited Operational Flexibility <i>(Attach a detailed description of the sewage works)</i>
<p>Description shall include:</p> <ol style="list-style-type: none"> 1. A detail description of the modifications and/or operations to the sewage works (e.g. sewage work component, location, size, equipment type/model, material, process name, etc.) 2. Confirmation that the anticipated environmental effects are negligible. 3. List of updated versions of, or amendments to, all relevant technical documents that are affected by the modifications as applicable, i.e. submission of documentation is not required, but the listing of updated documents is (design brief, drawings, emergency plan, etc.)

Part 3 – Declaration by Professional Engineer	
<p>I hereby declare that I have verified the scope and technical aspects of this modification and confirm that the design:</p> <ol style="list-style-type: none"> 1. Has been prepared or reviewed by a Professional Engineer who is licensed to practice in the Province of Ontario; 2. Has been designed in accordance with the Limited Operational Flexibility as described in the ECA; 3. Has been designed consistent with Ministry's Design Guidelines, adhering to engineering standards, industry's best management practices, and demonstrating ongoing compliance with s.53 of the Ontario Water Resources Act; and other appropriate regulations. <p>I hereby declare that to the best of my knowledge, information and belief the information contained in this form is complete and accurate</p>	
Name (Print)	PEO License Number
Signature	Date (mm/dd/yy)
Name of Employer	

Part 4 – Declaration by Owner	
<p>I hereby declare that:</p> <ol style="list-style-type: none"> 1. I am authorized by the Owner to complete this Declaration; 2. The Owner consents to the modification; and 3. This modifications to the sewage works are proposed in accordance with the Limited Operational Flexibility as described in the ECA. 4. The Owner has fulfilled all applicable requirements of the <i>Environmental Assessment Act</i>. <p>I hereby declare that to the best of my knowledge, information and belief the information contained in this form is complete and accurate</p>	
Name of Owner Representative (Print)	Owner representative's title (Print)
Owner Representative's Signature	Date (mm/dd/yy)



In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review 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 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

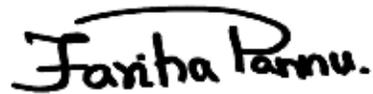
AND

The 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**

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

DATED AT TORONTO this 7th day of March, 2019



Fariha Pannu, P.Eng.

Director

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

SH/

c: District Manager, MECP Ottawa
Douglas Kerr, Golder Associates Ltd.