

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6384-BGCKWU

Issue Date: November 27, 2019

Landings Campground Ltd.
1073 Witmer Road
Wilmot, Ontario
N0B 2H0

Site Location: Landings Campground Ltd.
1073 Witmer Road
Township of Wilmot, Regional Municipality of Waterloo

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:

Upgrade of the existing sewage Works for collection, treatment and subsurface sewage disposal, to service 145 seasonal camping sites, including 4 Park Model Units and 23 proposed sites, a public washroom with showers, proposed laundry and a single family residence, all located at the Landings Campground, operated seasonally from May to October every year, and rated at a total maximum capacity of 41,000 Litres per day and average daily flow rate of 20,500 Litres per day, comprising of the following:

Replacement of Existing Holding Tank North West of Site 807

replacement of an existing holding tank with a new 9,000 litres concrete solids removal tank, serving sites No. 801 to 815 and 901 to 907 having two-compartments, located at the north west of site 807, receiving sewage and discharging to an existing solids removal pump tank located south west of site 401;

Existing Solids Removal/Pump Tank South West of Site 401

one (1) existing double chambered solids removal/pump tank with a total capacity of 13,500 litres, receiving sewage flow from sites No. 305, 401 to 406, 408 to 410, 701 to 710, 908 to 914, and from the new tank north west of site No. 807, equipped with one (1) 0.5 HP effluent submersible pump, rated at 80 Litres/minute under a TDH of 9 metres pumping the effluent via an existing 38 mm dia forcemain to the existing gravity sanitary sewers near site 407;

Existing Solids Removal/Pump Tank North of Site 308

one (1) existing double chambered solids removal/pump tank with a total capacity of 13,500 litres, receiving sewage flow from sites No. 302 to 304, 306 to 309 and 319 to 323, equipped with one (1) 0.5 HPeffluent submersible pump, rated at 80 Litres/minute under a TDH of 9 metres pumping the effluent via an existing 38 mm dia forcemain to the existing gravity sanitary sewers near site 311;

Two Existing Solids Removal Tanks East of Main Office

two (2) existing double chambered solids removal tanks with a total capacity of 5,400 litres, receiving sewage flow from the Main Office, washrooms, snack-bar, and an existing residence, discharging effluent via a 100mm diameter sewers to a proposed pump tank north east of the proposed laundry building;

Proposed Pump Tank North East of the Laundry Building

one (1) proposed pump tank with a total capacity of 4,141 litres, receiving sewage flow from the two solids removal tanks and a proposed laundry building , equipped with one (1) effluent submersible pump rated at 100 Litres/minute under a TDH of 4.5 metres, pumping the effluent via a 50 mm dia forcemain and downstream receiving sewers, which also receive sewage flow from sites No. 101 to 107, all directed to the proposed flow equalization tank;

Two Existing Solids Removal Tanks North East of Site 501

one (1) existing single chambered solids removal tank with a total capacity of 4,500 litres discharging to a second double chambered solids removal tank with a total capacity of 5,400 litres, installed in series, receiving sewage flow from sites No. 501, 502, 608 to 615, and 915 to 926 discharging the effluent via a 100 mm diameter sewer to the proposed flow equalization tank;

Existing Solids removal Tank North of Site 108

one (1) double chambered existing septic tank with a total capacity of 13,500 litres, receiving sewage flow from sites No. 108 to 111, 203 to 207, 210 to 215, 310 to 318, 601 to 607, and the two 13,500 litres solids removal pump tanks discharging the effluent via a 100 mm diameter sewer to the proposed flow equalization tank;

Flow Equalization tank (EQT) and Pumps (EQP)

one (1) 30,300 L one-compartment precast concrete flow equalization tank designated as EQT (Porter's model 7000GA-S, or equivalent), collecting raw sewage from the site collection system from the 122 existing seasonal camping sites (including 4 Park Model Units), and 23 proposed seasonal camping sites, a public washroom with showers, proposed laundry and a single family residence, designed for a hydraulic retention time of approximately 17 hours, complete with two (2) alternating timer-controlled submersible vortex pumps designated as EQP (BJM SV400 or equivalent) time dosing sewage via a 50 mm diameter forcemain to a proposed Moving Bed Biofilm Reactor (MBBR) treatment system sludge storage tank SS1 over a 24-hour period at an approximate rate of 1,710 L/hr, complete with a watertight access cover and level regulators including a high liquid level audible and visual alarm system;

Proposed Moving Bed Biofilm Treatment System

Primary Sludge Storage/Primary Clarification Tank (SS1)

one (1) 30,300 L two-compartment precast concrete primary sludge storage/primary clarification tank designated as SS1 (Porter's model 6500GA-P, or equivalent) providing settling and storage of primary sludge,

designed for a hydraulic retention time of 2 hours for settling and storage of the primary sewage, discharging to a primary clarifier (PC), complete with a watertight access cover;

Aerobic Bioreactors (BR1 and BR2)

two (2) approximately 15,900 L and 15,100 L, one-compartment concrete aeration tanks (BR1 and BR2) installed in series (Babcock model 15900L-S, or equivalent) containing a combined volume of 11.4 m³ of specially designed plastic carrier media (Kaldness or equivalent) having a combined media carrier surface area of 5,100 m², each bioreactor tank equipped with fourteen (14) fine bubble diffusers, effluent from BR1 discharging by gravity to BR2, and effluent from BR2 discharging by gravity to a Secondary Clarifier (SC); BR 2 is also equipped with a recirculation pump to return part of the mixed liquor up to 4 times of the design flow to the Sludge Storage tank SS1 to facilitate pre-anoxic denitrification;

Secondary Clarifier (SC)

one (1) 6,100 L one-compartment concrete secondary clarifier tank (Porter's model 2000GB-S, or equivalent) complete with sloped walls and a floating skimmer, housing one (1) surface skimmer pump (Goulds Model LSP0311F or equivalent) discharging via a forcemain to a secondary sludge storage tank and two (2) submersible sludge return pumps (Goulds Model LSP0311F or equivalent) discharging via a forcemain to a secondary sludge storage tank, the SC tank discharging via gravity to an Intermediate Pump Tank (IPT);

Intermediate Pump Tank (IPT)

one (1) 9,300 L one-compartment concrete Intermediate Pump Tank (Porter's model 2000GB-S, or equivalent) complete with duplex effluent pumps (SEP1 and SEP 2) to time dose the denitrification filter (NXF1);

Nitrex Tertiary Denitrification Filter (NXF)

One (1) Nitrex Filter System, consisting of one (1) tank NXF (Porter's model 14300GA-S, or equivalent), having an effective working volume of 67,200 L approximately, and filled with 60 m³ of reactive wood chip media, receiving flow from the Intermediate Pump Tank (IPT) for post-anoxic denitrification, and discharging the denitrified effluent by gravity to the Polishing Bioreactor/Floc Reactor Tank for further removal of CBOD5 and TSS and phosphorus reduction;

Polishing Bioreactor/Floc Reactor Tank (BR3 and PR)

one (1) custom partitioned tank with two (2) chambers for aerobic MBBR polishing and flocculation having a total effective volume of 8,900 L (Porter's model 2000GB-P, or equivalent), partitioned to two (2) chambers BR3 and PR each having a volume of 6,200 L and 2,700 L respectively, containing 2.2 m³ of specially designed carried media (Kaldness or equivalent) and seven (7) fine bubble diffusers in the first chamber and four (4) coarse bubble diffusers in the second chamber and one (1) PAC storage container in a control building complete with a fill level indicator, and a flow-paced chemical pump dosing PAC into PR for phosphorus removal, with chemical sludge removed from the Tertiary Clarification Tank Final Clarifier via sludge return pump to the Secondary Sludge Storage Tank and discharging effluent by gravity to a tertiary clarification tank;

Tertiary Clarification Tank (TC)

one (1) 6,100 L one-compartment concrete tertiary clarification tank (Porter's model 2000GB-S, or equivalent) complete with sloped walls and a floating skimmer, housing one (1) surface skimmer pump (Goulds Model LSP0311F or equivalent) discharging via a forcemain to a secondary sludge storage tank and two (2) submersible sludge return pumps (Goulds Model LSP0311F or equivalent) discharging via a forcemain to a secondary sludge storage tank, and discharging effluent by gravity to a final effluent pump tank;

Secondary Sludge Storage Tank (SS2)

One (1) 30,300 L one-compartment precast concrete secondary sludge storage tank designated as SS2 (Porter's model 6500GA-S, or equivalent) receiving sewage flow from Tertiary Clarifier (TC) and Secondary Clarifier (SC) providing settling and storage of secondary sludge, designed for a hydraulic retention time of 2 hours for settling and storage of the secondary sewage, discharging by gravity to Secondary Sludge Tank (SS1);

Aeration Equipment, Dosing system and Control panels

a control building equipped with PAC container, air blowers for BR1, BR2, (each rated at 70 Nm³/h) BR3 (rated at 8.75 Nm³/h) and PR (rated at 8.75 Nm³/h), and control panels;

Final Effluent Pump Tank (EPT)

one (1) 9,800 L one-compartment concrete final effluent pump tank (Porter's model 2300GA-S, or equivalent), designed for a hydraulic time of 6 hours, complete with two alternating demand controlled effluent pumps (Liberty Model 280 or equivalent) each rated at 85 litres per minute at 4.5 m TDH,

discharging via two forcemains to a proposed sub surface disposal bed, through two distribution box;

Subsurface Sewage Disposal System

One (1) Type A Dispersal Bed consisting of four (4) equally sized effluent distribution piping systems, three having nine (9) 18.0 m long 100 mm diameter and one having eleven (11) 14.0 m long distribution pipes installed 1.0 m apart centre to centre within an approximately 822 m² 300 mm thick stone layer (expanded to 1,019 m² ground perimeter) constructed over an imported sand fill layer with a percolation rate of 6 -10 min/cm with a contact area of approximately 3,075 m², and a thickness ranging from 300 mm to 600 mm lying over a native soil with percolation rate of 30 min/cm;

all other monitoring and control systems, air compressors, electrical equipment, mechanical components, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage Works, all in accordance with the **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.

"BOD5" (also known as TBOD₅) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;

"CBOD5" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;

"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 Guelph District Office.

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

"Existing Works" means those portions of the Works included in the Approval that have been constructed previously;

"Grab Sample" means an individual sample of at least 1000 millilitres collected in an

appropriate container at a randomly selected time over a period of time not exceeding 15 minutes.

"Licensed Installer" means a person who holds a licence under Article 2.12.3.1 of the Ontario Building Code.

"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.

"OBC" means the Ontario Building Code.

"Owner" means Nith River Camp Grounds Ltd. and its successors and assignees.

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

"Professional Engineer" means a person entitled to practice as a Professional Engineer in the Province of Ontario under a licence issued under the Professional Engineers Act.

"Rated Capacity" means the Average Daily Flow for which the Works are approved to handle;

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

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

1. 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

1. 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;
 - 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 Informations Act*, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager;
2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

4. CONSTRUCTION

1. The Owner shall ensure that the construction of the Works is supervised by a licensed installer or a Professional Engineer, as defined in the *Professional*

Engineers Act.

2. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the Ontario Building Code are satisfied.
3. The Owner shall ensure that the Moving Bed Biofilm Reactor Tertiary Sewage Treatment Plant and Nitrex Filters are installed in accordance with the Manufacturer's Installation Manual.
4. The Owner shall ensure that an imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by the Professional Engineer or Licensed Installer for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.
5. Upon construction of the Works, the Owner shall prepare a statement, certified by a licensed installer or 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 staff.
6. Upon construction of the Works, the Owner shall prepare a set of as-built drawings showing the works "as constructed". "As-built" drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the site for the operational life of the Works and shall be made available for inspection by Ministry staff.

5. MONITORING AND RECORDING

The Owner shall, upon commencement of operation of the Works, 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. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Influent Monitoring Table included in **Schedule B**.
3. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Effluent Monitoring Table included in **Schedule B**.
4. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to each individual subsurface disposal system, including but not limited to water/wastewater flow meters, event counters, running time clocks, or electronically controlled dosing, and shall record the daily volume of effluent being discharged to the subsurface disposal system.

5. The Owner shall ensure that flow of treated effluent discharged into the subsurface sewage system does not exceed 41,000 L/d.
6. 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 from time to time by more recently published editions;
 - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; and
 - c. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.
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 monitoring activities required by this Approval.

6. EFFLUENT OBJECTIVES

1. The Owner shall use best efforts to design, construct and operate the Works with the objective that the concentrations of the materials named as effluent parameters in the Effluent Objectives Table listed in **Schedule B** are not exceeded in the effluent being discharged to the subsurface disposal system.
2. For the purposes of subsection (1):
 - a. The Monthly Average Concentration of CBOD₅, TSS and TAN and Nitrate-Nitrogen named in Column 1 of Effluent Objectives Table listed in Schedule B, should be compared to the corresponding concentration set out in Column 2 of Effluent Objectives Table listed in **Schedule B**.

7. EFFLUENT LIMITS

1. The Owner shall design, construct, operate and maintain the Works such that the concentrations of the materials named as effluent parameters in the Effluent Limits Table in **Schedule B** are not exceeded in the effluent from the Works:

2. For the purposes of determining compliance with and enforcing subsection (1):
 - a. The concentration of CBOD₅ TSS and TIN named in Column 1 of Effluent Limits Table listed in **Schedule B** shall not exceed the corresponding maximum concentration set out in Column 2 of Effluent Limits Table listed in **Schedule B**.

8. OPERATIONS AND MAINTENANCE

1. The Owner shall prepare an operations manual within six (6) months of the introduction of sewage to the Works, that includes, but not necessarily limited to, the following information:
 - a. operating procedures for routine operation of all the Works;
 - b. inspection programs, including frequency of inspection, for all 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 all the Works; copies of maintenance contracts for any routine inspections & pump-outs should be included for all the tanks and treatment units;
 - 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.
2. The Owner shall maintain the operations manual current and retain a copy at the location of the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
3. The Owner shall, upon the construction, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the treatment process/technology or its authorized agent. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
4. The Owner shall ensure that all solids removal tanks are pumped out every 3-5 years or when the tank is 1/3 full of solids.

5. The Owner shall ensure that grass-cutting is maintained regularly over all the subsurface disposal beds, and the surface of the bed(s) are visually observed on a monthly basis. In the event a break-out is observed from a subsurface disposal bed, the Owner shall ensure that the sewage discharge to the bed is discontinued and the incident immediately reported verbally to the District Manager, followed by a written report within one (1) week. The Owner shall ensure that during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to a surface water body or to the environment, and shall be safely collected and disposed off through a licensed waste hauler to an approved waste disposal site.
6. The Owner shall ensure that adequate steps are taken to ensure that the area of the Works are protected from all forms of vehicle traffic.
7. The Owner shall employ for the overall operation of the Works a person who possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.
8. The Owner shall provide for the overall operation of the Works with an operator who holds a licence that is applicable to that type of facility and that is of the same class as or higher than the class of the facility in accordance with Ontario Regulation 129/0.

9. REPORTING

1. One week prior to the start up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. 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, 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.
3. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
4. The Owner shall prepare and submit a performance report, on an annual basis, within ninety (90) days following the end of each operational season to the District Manager. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

- a. a summary and description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;
- b. a summary and interpretation of all monitoring data and a comparison to the Effluent Limits Condition 7 including an overview of the success and adequacy of the Works, and a Contingency Plan in the event of not in compliance with the Effluent Limits.
- c. a summary and interpretation of surface water monitoring data;
- d. a review and assessment of performance of sewage works, including all treatment units and disposal beds;
- e. a description of any operating problems encountered and corrective actions taken at all sewage Works located at the property;
- f. a record of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of all Works located at the property' including but not limited to: records of maintenance inspections for the treatment system, records of septic tank effluent filters cleaning, records of septic tank pump-outs, records of sludge pump-outs accumulated from the treatment system, records of visual inspections of all disposal systems;
- g. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
- h. a summary and interpretation of all daily flow data and results achieved in not exceeding the maximum daily sewage flow discharged into each one of the subsurface disposal system;
- i. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- j. a summary of all spill or abnormal discharge events;
- k. any other information the District Manager requires from time to time;

10. DECOMMISSIONING OF UN-USED SEWAGE WORKS

1. The Owner shall properly abandon any portion of unused existing sewage Works, as directed below, and upon completion of decommissioning report in writing to the District Manager.

- a. any sewage pipes leading from building structures to unused sewage Works components shall be disconnected and capped;
- b. any unused septic tanks, holding tanks and pump chambers shall be completely emptied of its content by a licensed hauler and either be removed, crushed and backfilled, or be filled with granular material;
- c. if the area of the existing leaching bed is going to be used for the purposes of construction of a replacement bed or other structure, all distribution pipes and surrounding material must be removed by a licensed hauler and disposed off site at an approved waste disposal site; otherwise the existing leaching bed may be abandoned in place after disconnecting, if there are no other plans to use the area for other purposes;

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. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply 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 the 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, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Condition 5 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.

6. Condition 6 is imposed to establish non-enforceable effluent quality objectives which the Owner is obligated to use best efforts to strive towards on an ongoing basis. These objectives are to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs.

7. Condition 7 is imposed to ensure that the effluent discharged from the Works meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.

8. Condition 8 is included to require that the Works be properly operated, maintained, and equipped such that the environment is protected. As well, the inclusion of an operations manual, maintenance agreement with the manufacturer for the treatment process/technology and a complete set of "as constructed" drawings 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 information 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 work.

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.

10. Condition 10 is included to ensure that any components of un-used Works are properly decommissioned.

Schedule 'A' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval*.

Schedule A

List of Documents considered for the Current Application

1. Application for Environmental Compliance Approval November 29, 2018 and received on December 5, 2018.

Schedule 'B' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval*.

Schedule B

Table 1 - Effluent Objectives sampled on discharge from the final effluent pump tank (EPT)	
Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)
CBOD ₅	10
TSS	10
Total Inorganic Nitrogen	2.5
Total Phosphorus	0.5

Table 1 - Effluent Limits sampled on discharge from the final effluent pump tank (EPT)	
Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)
CBOD ₅	20
TSS	20
Total Inorganic Nitrogen	2.5

Schedule 'C' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval*.

Schedule C

Raw Sewage Monitoring Table

Sampling Location	Flow Equalization Tank (EQT)
Frequency	three times during the operating Season (May - October)*
Sample Type	Grab
Parameters	BOD ₅ , Total Suspended Solids (TSS), Total Phosphorus, Total Kjeldahl Nitrogen (TKN)

*period during the sampling events to be spread evenly

Effluent Monitoring Table

Sampling Location	Effluent discharged from the final effluent pump tank (EPT)
Frequency	Quarterly (four times per year)
Sample Type	Grab
Effluent Parameters	CBOD ₅ , Total Suspended Solids (TSS), Total Phosphorus, Total Kjeldahl Nitrogen (TKN), Total Ammonia Nitrogen (TAN), Nitrite Nitrogen, Nitrate Nitrogen, pH, Temperature (ambient and wastewater)

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 27th day of November,
2019

Fariha Pannu, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental
Protection Act*

KH/
c: District Manager, MECP Guelph District.
David Morlock, P.Eng., FlowSpec Engineering Ltd.