

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1164-BHGQAM

Issue Date: April 16, 2020

Beaver Valley Ski Club
100 Pioneer Drive R.R. #4
Markdale, Ontario
N0C 1H0

Site Location: 100 Pioneer Drive
Municipality of Grey Highlands
County of Grey

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:

the establishment, use and operation of the proposed sewage Works for collection, transmission, and treatment of domestic sewage, receiving daily sanitary flows up to 30 cubic metres per day to service a ski resort, located at the above noted location, consisting of the following;

Raw Sewage Equalization Tank

- One (1) existing pre-cast concrete equalization tank with a total capacity of 56.7 cubic metres, receiving raw sewage via a gravity influent pipe and the waste activated sludge from the modified sequencing batch reactor described below, equipped with two submersible pumps (one duty and one stand-by) capable of handling a peak daily design flow of 30 cubic metres per day at 3 metres Total Dynamic Head (TDH), pumping raw sewage to the Sequencing Batch Reactor (SBR) described below at a rate of 1.11 litres per second or 1.54 litres per second when the level of the equalization tank is high, or when the level of the equalization tank is low respectively;

Alum Dosing Tank

- One (1) alum solution tank with a capacity of 200 litres and one (1) chemical feed pump rated at 7.5 litres per hour for adding alum solution into the SBR influent line;.

Modified Sequencing Batch Reactor

- One (1) pre-cast concrete modified SBR including a dual train ICEAS system (Intermittent Cycle Extended Aeration System) consisting of two (2) basins, each with dimensions 6.10 metres by 3.05 metres by 3.05 metres, rated for an average flow of 30 cubic metres per day with controlled aerobic and anaerobic cycles and setting period, discharging the supernatant into the tertiary filtration system described below and pumping the waste sludge to the sludge storage tank described below via pumps located in the bottom of each basin;

Tertiary Filters

- A duplex 0.61 metres by 1.83 metres sand pressure filter and a membrane system, consisting of fibreglass reinforced plastic vessels, rated at 3.65 litres per second with a filter loading rate of 10.2 litres per second, providing 3-5 micron nominal filtration, discharging the effluent to the Ultraviolet disinfection unit described below;

UV System

- Parallel configured Hallett UV system consisting of three (3) reactors, capable of handling 3.12 litres per second, discharging a portion of the final effluent to the backwash tank described below and the remaining effluent to the surface pond via a forcemain;

Effluent Storage Pond

- One (1) pond having a volume of approximately 1,500 cubic metres, receiving treated effluent from the UV system described above, as well as from the Beaver River, using the water for snow making purposes;

Backwash Tank

- One (1) backwash tank equipped with a capacity of 1.5 cubic metres, with a pump rated at 30 litres per minute, backwashing the sand pressure filters at a rate of 2.25 litres per second, discharging the backwash water to the sludge digester described below;

Sludge Digester and Disposal

- One (1) aerated sludge digester, receiving inflow from each SBR basin and backwash tank, returning the supernatant to the equalization tank described above via gravity, equipped with a riser located outside the building for pumping the dewatered sludge by vacuum truck;

all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage Works.

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

1. "Approval" means this entire document and any schedules attached to it, and the application;
2. "BOD5" (also known as TBOD₅) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
3. "By-pass" means diversion of sewage around one or more unit processes within the Sewage Treatment Works with the diverted sewage flows being returned to the Sewage Treatment Plant treatment train upstream of the Final effluent sampling location, and discharging to the environment through the Sewage Treatment Plant outfall;
4. "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;
5. "District Manager" means the District Manager of the Owen Sound District office;
6. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
7. "*E. coli*" refers to coliform bacteria that possess the enzyme beta-glucuronidase and are capable of cleaving a fluorogenic or chromogenic substrate with the corresponding release of a fluorogen or chromogen, that produces fluorescence under long wavelength (366 nm) UV light, or color development, respectively. Enumeration methods include tube, membrane filter, or multi-well procedures. Depending on the method selected, incubation temperatures include 35.5 ± 0.5 °C or 44.5 ± 0.2 °C (to enumerate thermotolerant species). Depending on the procedure used, data are reported as either colony forming units (CFU) per 100 mL (for membrane filtration methods) or as most probable number (MPN) per 100 mL (for tube or multi-well methods);
8. "Emergency Situation" means a structural, mechanical or electrical failure that causes a temporary reduction in the capacity of the Sewage Treatment Plant or an unforeseen flow condition that may result in:
 - a. danger to the health or safety of any person; or,
 - b. injury or damage to any property, or serious risk of injury or damage to any property; or
 - c. treatment process biomass washout.
9. "Event" means an action or occurrence, at a given location within the Sewage Treatment Works that causes a Plant Bypass or Plant Overflow. An Event ends when there is no recurrence of a Bypass or Overflow in the 12-hour period following the last Bypass or Overflow. Two Events are separated by

at least 12 hours during which there has been no recurrence of a Bypass or Overflow;

10. "Final Effluent" means sewage discharge via the Sewage Works outfall after undergoing the full train of unit processes as listed in the Approval;
11. "Geometric Mean Density" is the nth root of the product of multiplication of the results of n number of samples over the period specified;
12. "Individual Waste Loading" means the loading expressed in kilograms per day and calculated by multiplying the concentration of a parameter in a sample by the total volume of effluent discharged from the Works during the day in which the sample is taken;
13. "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;
14. "Monthly Average Concentration" means the arithmetic mean of all Daily Concentrations of a contaminant in the effluent sampled or measured, or both, during a calendar month;
15. "Owner" means Beaver Valley Ski Club and its successors and assignees;
16. "Rated Capacity" means the Average Daily Flow for which the Works are approved to handle;
17. "Works" means the sewage works described in the Owner's application, and this Approval, and includes both Proposed 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 A, 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.
6. The issuance of, and compliance with the conditions of, this Approval does not:
 - a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority/MNRF necessary to construct or operate the sewage works; or
 - b. limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

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 Information 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. Upon the completion of the construction of 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 year of the completion of the construction 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. BY-PASSES

1. Any By-pass or Overflow is prohibited, except:
 - a. in an Emergency Situation;
 - b. where the By-pass/ Overflow is a direct and unavoidable result of a planned maintenance procedure, the Owner notified the District Manager 15 days prior to the By-pass and the District Manager has given written consent of the By-pass; and
 - c. where the By-pass / Overflow is planned for research or training purposes, the discharger notified the District Manager 15 days prior to the By-pass / Overflow and the District Manager has given written consent of the By-pass / Overflow.
2. The Owner shall forthwith notify the Spills Action Centre (SAC) and the Medical Officer of Health of all By-pass and Overflow Events. This notice shall include, at a minimum, the following information:
 - a. the date, time, and duration of the Event;
 - b. the location of the Event;
 - c. the measured or estimated volume of the Event (unless the Event is ongoing);
 - d. the reason for the Event; and
 - e. the level of treatment the By-pass(es) and/or Overflow(s) received and disinfection status of same.
3. The Owner shall submit By-pass and Overflow Event Reports to the Ministry's local office on a quarterly basis, no later than each of the following dates for each calendar year: February 14, May 15, August 14, and November 15. Event Reports shall be in an electronic format specified by the Ministry. In each Event Report the Owner shall include, at a minimum, the following information on any Events that occurred during the preceding quarter:

- a. the date of the Event(s);
 - b. the measured or estimated volume of the Event(s);
 - c. the duration of the Event(s);
 - d. the location of the Event(s);
 - e. the reason for the Event(s); and
 - f. the level of treatment the By-pass(es) and/or Overflow(s) received and disinfection status of same.
4. The Owner shall use best efforts to collect a representative sample consisting of a minimum of two (2) grab samples of the By-pass / Overflow and have it analyzed for parameters outlined in Condition 7, one at the beginning of the Event and the second approximately near the end of the Event, to best reflect the effluent quality of such By-pass or Overflow.
 5. The Owner shall maintain a logbook of all Plant By-passes and Overflows, which shall contain, at a minimum, the types of information set out in subsection 2 (a) to 2(e) in respect of each By-pass and Overflow.

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 from the Works.
2. The Owner shall use best efforts to:
 - a. maintain the pH of the effluent from the Works within the range of 6 to 9.5, inclusive, at all times;
 - b. operate the works within the Rated Capacity of the Works;
 - c. ensure that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the receiving waters.

3. The Owner shall include in all reports submitted in accordance with Conditions 5 and 10 a summary of the efforts made and results achieved under this Condition.

7. EFFLUENT LIMITS

1. The Owner shall design, construct, operate and maintain the Works such that the concentrations of the materials listed in **Schedule B** as effluent parameters are not exceeded in the effluent from the Works.
2. For the purposes of determining compliance with and enforcing subsection (1):
 - a. The Monthly Average Concentration of a parameter 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**.
 - b. The Individual Waste Loading of a parameter named in Column 1 of Effluent Limits Table listed in **Schedule B** shall not exceed the corresponding maximum waste loading as set out in Column 3 of Effluent Limits Table listed in **Schedule B**.
3. Notwithstanding subsection (1), the Owner shall operate and maintain the Works such that the effluent is continuously disinfected so that the monthly Geometric Mean Density of *E. Coli* does not exceed 100 organisms per 100 millilitres of effluent discharged from the Works.

8. OPERATION AND MAINTENANCE

1. The Owner shall exercise due diligence in ensuring that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this Approval and the Act and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare an operations manual prior to the commencement of operation of the sewage works/within six (6) months of completion of construction of the Proposed Works, 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 Owen Sound District Office; and
 - f. procedures for receiving, responding and recording public complaints, including recording any followup actions taken.
3. 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.
 4. 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 129/04.
 5. 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 .
 6. 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.

9. EFFLUENT MONITORING AND RECORDING

The Owner shall, upon commencement of operation of the sewage 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. For the purposes of this condition, weekly means once each week;
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 Influent Monitoring Table included in **Schedule B**.
4. 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**.

5. 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 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;
 - 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;
 - d. the Environment Canada publications "Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout" (EPS 1/RM/13 Second Edition - December 2000) and "Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to *Daphnia magna* " (EPS 1/RM/14 Second Edition - December 2000), as amended from time to time by more recently published editions; and
 - e. for any parameters not mentioned in the documents referenced in (a) and (b), the written approval of the Director shall be obtained prior to sampling.
6. The temperature and pH of the effluent from the Works shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of un-ionized ammonia shall be calculated using the total ammonia concentration, pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).
7. The measurement frequencies specified in subsection (2) in respect of any parameter are minimum requirements which may, after (6/12/24) months of monitoring in accordance with this Condition, be modified by the Director in writing from time to time.
8. The Owner shall install and maintain (a) continuous flow measuring device(s), to measure the flowrate of the effluent from the Works with an accuracy to within plus or minus 15 per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring device, and record the flowrate at a daily frequency.
9. 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.

10. REPORTING

1. One (1) week prior to the start up of the operation of the Proposed Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. Ten (10) days prior to the date of a planned By-pass being conducted pursuant to Condition 5 and as soon as possible for an unplanned By-pass, the Owner shall notify the District Manager (in writing) of the pending start date, in addition to an assessment of the potential adverse effects on the environment and the duration of the By-pass.
3. The Owner shall report to the District Manager or designate, any exceedence of any parameter specified in Condition 7 orally, as soon as reasonably possible, and in writing within seven (7) days of the exceedence.
4. 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.
5. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
6. 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 and a comparison to the effluent limits outlined in Condition 7, 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 any effluent quality assurance or control measures undertaken in the reporting period;
 - e. a summary of the calibration and maintenance carried out on all effluent monitoring equipment; and
 - f. a description of efforts made and results achieved in meeting the Effluent Objectives of

Condition 7.

- g. a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;
- h. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- i. a summary of all By-pass, spill or abnormal discharge events; and
- j. any other information the District Manager requires from time to time.

11. FINANCIAL ASSURANCE

1. Within 90 days of issuance of this Approval the Owner shall submit to the Director, Financial Assurance, as defined in Section 131 of the Act, for the amount of one hundred and ten thousand dollars (\$110,000). This Financial Assurance shall be in a form acceptable to the Director and shall provide sufficient funds to pay for the compliance with and performance of any action specified in this Approval including the clean- up, monitoring and post closure care of the Works.
2. Commencing on April 30, 2025 and at intervals of five (5) years thereafter, the Owner shall submit to the Director, a re-evaluation of the amount of Financial Assurance to implement the actions required under Subsection (1). The re-evaluation shall include an assessment based on any new information relating to the environmental conditions of the Works and shall include the costs of additional monitoring and/or implementation of contingency plans required by the Director upon review of the closure plan and annual reports. The Financial Assurance must be submitted to the Director within ten (10) days of written acceptance of the re-evaluation by the Director.
3. Commencing on April 30, 2021 the Owner shall prepare and maintain at the Works an updated re-evaluation of the amount of Financial Assurance required to implement the actions required under Subsection (1) for each of the intervening years in which a re-evaluation is not required to be submitted to the Director under Subsection (2). The re-evaluation shall be made available to the Ministry, upon request.
4. The amount of Financial Assurance is subject to review at any time by the Director and may be amended at his/her discretion. If any Financial Assurance is scheduled to expire or notice is received, indicating Financial Assurance will not be renewed, and satisfactory methods have not been made to replace the Financial assurance at least sixty (60) days before the Financial Assurance terminates, the Financial Assurance shall forthwith be replaced by cash.

Schedule A

1. Application for Environmental Compliance Approval submitted by Jackie Coughlin of Azimuth Environmental Consulting Inc. received at the Ministry on August 12, 2019 for the proposed sewage works, including design report, final plans and specifications.

Schedule B

Effluent Objectives Table (measured at the discharge outlet from the UV system)

Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)	Average Waste Loading (kilograms per month unless otherwise indicated)
BOD5	10	
Total Suspended Solids	10	
Total Phosphorus (Summer)	0.35	0.15
Total Phosphorus (Winter)	0.5	1.8
Total Ammonia Nitrogen	1	

Effluent Limits Table (measured at the discharge outlet from the UV system)

Effluent Parameter	Average Concentration (milligrams per litre unless otherwise indicated)	Average Waste Loading (kilograms per month unless otherwise indicated)
Column 1	Column 2	Column 3
BOD5	15	
Total Suspended Solids	15	
Total Phosphorus (Summer)	0.45	0.19
Total Phosphorus (Winter)	0.6	2.2
Total Ammonia Nitrogen	2.5	
E. Coli	100 cfu/ 100 ml	

Influent Monitoring Table
(sampling at the inlet of the Works)

Parameters	Sample Type	Frequency
BOD5	Composite	Weekly
Total Suspended Solids	Composite	Weekly
Total Phosphorus	Composite	Weekly
Total Ammonia Nitrogen	Composite	Weekly
<i>E. Coli</i>	Composite	Weekly
pH	Grab	Weekly
Temperature	Grab	Weekly

Effluent Monitoring Table
(sampling at the outlet of the UV unit)

Parameters	Sample Type	Frequency
BOD5	Composite	Weekly
Total Suspended Solids	Composite	Weekly
Total Phosphorus	Composite	Weekly
Total Ammonia Nitrogen	Composite	Weekly
<i>E. Coli</i>	Composite	Weekly
pH	Grab	Weekly
Temperature	Grab	Weekly

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 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 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 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 indicate that By-pass / Plant Overflows of untreated or partially treated sewage to the receiving watercourse is prohibited, save in certain limited circumstances where the failure to By-pass / Plant Overflow could result in greater injury to the public interest than the Bypass itself where a By-pass / Plant Overflow will not violate the approved effluent requirements, or where the By-pass / Plant Overflow can be limited or otherwise mitigated by handling it in accordance with an approved contingency plan. The notification and documentation requirements allow the Ministry to take action in an informed manner and will ensure the Owner is aware of the extent and frequency of By-pass / Plant Overflow events.
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 and before the compliance limits of Condition 7 are exceeded.
7. Condition 7 is imposed to ensure that the effluent discharged from the Works to the Beaver Creek meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver and to protect water quality, fish and other aquatic life in the receiving water body.
8. Condition 8 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. 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.

9. Condition 9 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 and effluent limits specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
10. Condition 10 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.
11. Condition 11 is included to ensure that the Owner provides financial assurance on a timely basis, in an amount adequate to cover the capital and operating costs of the environmental measures for which it is provided and is in a form readily used by Ministry personnel.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s).
4830-B3PJQM issued on January 10, 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.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

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

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

This Notice must be served upon:

The Director appointed for the purposes of

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

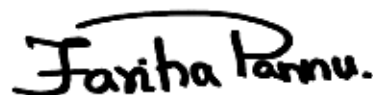
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 16th day of April, 2020



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

SF/

c: District Manager, MECP Owen Sound District Office
Jackie Coughlin, P.Eng., Azimuth Environmental Consulting Inc.