

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8410-D3GP3E
Issue Date: June 26, 2024

Sunnyside Campground Inc.
238 Loyalist Lane
Rideau Lakes, Ontario
K0G 1X0

Site Location: Sunnyside Family Retreat
238 Loyalist Lane
Township of Rideau Lakes, United Counties of Leeds and
Grenville
K0G 1X0

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, replacement/amendment, usage and operation of the Proposed and previously Existing on-site seasonal private subsurface treatment and disposal sewage works, serving Sunnyside Campground, with a combined **site** Maximum Daily Flow of 47,875 L/day, servicing existing facilities, comprising;

Details of Service Area:

Type of Occupancy

Non-residential Seasonal Recreational Vehicle (RV)/Campground Park

Type and Number of Units

157 RV seasonal sites

Lower Comfort Station comprising 6 toilets, 6 sinks, 4 showers, and 2 urinals

Upper one Comfort Station comprising 7 toilets, 6 sinks, 4 showers, and 2 urinals, and one administration building consists of 720 m² of office space

One single family dwelling

PROPOSED WORKS

Sewage Works 1

Amendment in the Existing Sewage Works 1, with a Maximum Daily Flow of 2,900 L/day, located next to site No. 84 and 85, serving the lower comfort station that comprises six (6) toilets, six (6) sinks, four (4) showers, and two (urinals), comprising of;

- Conversion of an Existing Septic Tank (ST#1) having a working capacity of 5,800 L, to a capped Holding Tank for sanitary storage and periodically removed on demand to Sewage Works No. 5 via honey wagon collection;
- Decommissioning of Existing Sewage Works No. 1 disposal bed;

Proposed Modified Sewage Works No. 5 (New Maximum Daily Flow: 43,175 L/day)

Proposed sewage Works No. 5, located South of the Campground Visiting Parking, with a combined Maximum Daily Flow of 43,175 L/day (and Balanced Flow of 32,381), for collection, treatment and subsurface disposal system of sanitary sewage from 157 RV sites and the lower comfort station, via forcemains from Lift Stations LS1, LS2, and LS5, and honey wagon, comprising;

Septic Tank/Trash Tank TT1

one (1) one-compartment precast concrete wastewater Trash Tank with a total capacity of 12,260 litres equipped with an external 100 mm dia vent pipe and two (2) access manholes (600 mm dia each), equipped with six (6) 50mm forcemain inlets and allow for the disposal of sewage from the sewage haulage vehicle into the tank, collecting wastewater from 157 RV sites and the lower comfort station, via forcemains from Lift Stations LS1, LS2, and LS5, and honey wagon, complete with a PVC baffle, discharging by gravity into the anaerobic digester tanks AD1, AD2 and AD3;

Anaerobic Digester Tanks AD1, AD2 and AD3

three (3) single compartment Anaerobic Digester Tanks, connected in series, each having a capacity of approximately 45,400 litres with the inlet equipped with an Inner Tube; the outlets of Anaerobic Digester Tanks AD1 and AD2 are equipped with a baffle and the outlet of Anaerobic Digester Tank AD3 is equipped with six (6) effluent filters, discharging by gravity into the Pump Tank PT1;

Pump Tank (PT1)

one (1) precast single compartment concrete Pump Tank receiving effluent by gravity from the anaerobic digester tank (AD3) having two (2) submersible effluent dosing pumps, operating on an alternating timer, each pump rated at 245 L/min at at TDH of 10 m, equipped with vent pipe, lockable access cover, liquid level control system with high level audible/visual alarm system, and discharging to the basket biofilter tanks;

Waterloo Basket Biofilter Tanks

Five (5) 34,000 litre underground concrete basket Biofilter tanks, located near the visitor parking lot, each housing two (2) baskets each filled with 11.4 cubic metres of biofilter medium, Biofilter tanks #2, #3, #4 and #5 also house two (2) closed loop baskets filled with 2.7 m³ of biofilter medium, receiving evenly distributed effluent over the surface of the medium in the larger baskets; the biofilter tanks are hydraulically connected by bottom drains, with the effluent collecting on the floor of biofilter tank #1; Biofilter tank #1 is equipped with two (2) recirculation effluent pumps one for the closed loop baskets and one for the recirculation, as well as two (2) effluent disposal pump;

Closed Loop Effluent Disposal Pumps

- the closed loop pump is rated at 240 L/min at 10.5 m total dynamic head (TDH) discharging a maximum of 15,000 L/day to the 2 baskets filled with 2.7 m³ of biofilter medium in biofilter tanks #2, #3, #4 and #5;
- the recirculation pump is rated at 212 L/min at 3 m total dynamic head (TDH) pumps a portion of the treated effluent to the inlet of anaerobic digester tank;

Flow Balancing/Disposal Tank

- one (1) 34,000 L underground precast single compartment concrete Flow Balancing/Disposal Tank, located near the visitor parking lot, receiving effluent via forcemain from the Biofilter Basket Tank #1, complete with three (3) submersible effluent dosing pumps, each pump is connected to two (2) zones via a rotating distribution valve; the pumps are to run timed dose, dosing to each zone in turn through the distribution valve, each pump is rated at 284 L/min under 18.6 m total dynamic head (TDH), the Flow Balancing Tank is complete with flow meters to monitor the actual sewage flow being pumped to the leaching bed, complete with flow meters installed to monitor the actual sewage flow being pumped to the leaching bed;
- three (3) effluent disposal pump, located at in DT No. 1, each rated for of 284 L/min at 18.6 m total dynamic head (TDH), each pump is connected to two leaching bed zones via a rotating distribution valve and each zone has three (3) cells (during a pumping event all three (3) pumps will operate for the specified timer and each will dose one (1) cell in each zone; during the next pumping event the rotating valve will rotate to allow the next cell to be dosed and so on), operating on timed dosage to discharge the treated effluent to the leaching bed via three (3) 50mm diameter polyethylene (PE) forcemains to transfer the effluent from the basket biofilter tank (BT#1) to the distribution valves and to the leaching bed;

Shallow Buried Trench

one shallow buried trench leaching bed, located behind the visitor parking lot, comprising 900m of pressurized distribution pipe constructed in six (6) zones each zone having five (5) runs of thirty (30) m lengths, spaced 2.0 m apart, each run consisting of 38mm diameter PVC piping with 3 mm orifices drilled at 12 o'clock throughout the length of the run and spaced 0.9 m apart, the distribution pipes

are enclosed within an Infiltrator Quick 4 Plus EQ 24 Low Profile Chambers complete with geotextile placed over the chambers and septic stone layer and a 300mm backfill layer of sand fill overlaid by a 150mm of topsoil;

EXISTING WORKS

Sewage Works 3

Existing Sewage Works 3, with a Maximum Daily Flow rate of 1,800 L/day, located near the Owner's residence, serving the single family dwelling on the site, comprising of;

- Septic Tank (ST#3), with a capacity of 3,600 L discharging effluent to a leaching bed LB#3;

- Leaching Bed (LB#3) consisting of two (2) runs of distribution pipes, having a length of about 16 m long, two (2) runs of distribution pipes, having a length of about 13 m long, and two (2) runs of distribution pipes, having a length of about 10 m long, for a total length of distribution piping of approximately 78 m;

all in accordance with the **Schedule A**.

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

1. "Approval" means this entire Environmental Compliance Approval and any Schedules attached to it;
2. "CBOD5" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
3. "Commissioned" means the construction is complete and the system has been tested, inspected, and is ready for operation consistent with the design intent;
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 appropriate local district office of the Ministry where the Works is geographically located;
6. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19;
7. "Grab Sample" or "Grab" 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;

8. "Influent" means flows to the Sewage Works from the collection system;
9. "Licensed Engineering Practitioner" means a person who holds a licence, limited licence or temporary licence under the *Professional Engineers Act*, R.S.O. 1990, c. P.28;
10. "Maximum Daily Flow" (also referred to as Peak Daily Flow Rate or Maximum Day Flow) means the largest volume of flow to be received during a one-day period for which the sewage treatment process unit or equipment is designed to handle;
11. "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;
12. "OBC" means the Ontario Building Code, Ontario Regulation 332/12 (Building Code) as amended to January 1, 2015, made under the *Building Code Act*, 1992, S.O. 1992, c. 23;
13. "Operating Agency" means the Owner, or the person or entity that is authorized by the Owner for the management, operation, maintenance, or alteration of the Works in accordance with this Approval;
14. "Owner" means Sunnyside Campground Inc., including any successors and assignees;
15. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40;
16. "Single Sample Result" means the test result of a parameter in the effluent discharged on any day, as measured by a probe, analyzer or in a composite or grab sample, as required; and,
17. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
18. "Works" means the approved sewage works, and includes 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 terms and conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2. The Owner shall design, construct, operate and maintain the Works in accordance with the conditions of this Approval.
3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.

2. CHANGE OF OWNER AND OPERATING AGENCY

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 address of Owner;
 - b. change of Owner, including address of new 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. B.17* shall be included in the notification;
 - d. change of name of the corporation and a copy of the most current information filed under the *Corporations Information Act, R.S.O. 1990, c. C.39* shall be included in the notification.
2. The Owner shall notify the District Manager, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
 - a. change of address of the Operating Agency;
 - b. change of the Operating Agency, including address of the new Operating Agency.
3. In the event of any change in ownership of the Works, the Owner shall notify the succeeding owner in writing, of the existence of this Approval, and forward a copy of the notice to the District Manager.
4. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

3. CONSTRUCTION

1. All Proposed Works in this Approval shall be constructed and installed and must commence operation within **five (5) years** of issuance of this Approval, after which time the Approval ceases to apply in respect of any portions of the Works not in operation. In the event that the construction, installation and/or operation of any portion of the Proposed Works is anticipated to be delayed beyond the timeperiod stipulated, the Owner shall submit to the Director an application to amend the Approval to extend this time period, at least six (6) months prior to the end of the period. The amendment application shall include the reason(s) for the delay and whether there is any design change(s).
2. Upon completion of construction of the Proposed Works, the Owner shall prepare and submit a written statement to the District Manager, certified by a Licensed Engineering Practitioner, that the Proposed Works is constructed in accordance with this Approval.
3. **One (1) week** prior to the commencement of the operation of the Proposed Works, the Owner shall notify the District Manager (in writing) of the pending start-up date.
4. Within **one (1) year** of completion of construction of the Proposed Works, a set of record drawings all of the Works shall be prepared or updated. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be readily accessible for reference at the Works.
5. The Owner shall ensure that the treatment technologies are installed in accordance with the manufacturer's installation manual.
6. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
7. The Owner shall ensure that any imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by the Licensed Engineering Practitioner for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.

4. DESIGN OBJECTIVES

1. The Owner shall design and undertake everything practicable to operate the Sewage Works in accordance with the following objectives:
 - a. Final Effluent objectives listed in the Table included in **Schedule B**.
 - b. The Owner shall use best efforts to maintain the pH of the effluent from the Works within the range of 6.5 - 8.5, inclusive, at all times;

- c. Monthly Average Daily Influent Flow is within the design capacity of the each of the respective Sewage Works.

5. COMPLIANCE LIMITS

1. The Owner shall operate and maintain the Sewage Works such that compliance limits listed in the table(s) included in **Schedule C** are met for the treated effluent prior to discharging into the Shallow Buried Trench.

6. OPERATION AND MAINTENANCE

1. The Owner shall ensure 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 staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and relevant regulations made under the OWRA, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare/update the operations manual for the Works within **six (6) months** of completion of construction of the proposed alterations, that includes, but not necessarily limited to, the following information:
 - a. operating procedures for routine operation of all the Works;
 - b. operating procedures for the Works to handle situations outside routine operation and emergency situations such as a structural, mechanical or electrical failure, or an unforeseen flow condition.
 - c. inspection programs, including frequency of inspection, for all the Works and the methods or tests employed to detect when maintenance is necessary;
 - d. 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;
 - e. procedures for the inspection and calibration of monitoring equipment;
 - f. 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
 - g. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

3. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at 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, upon the construction, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the treatment process/technology of the Waterloo Bioflinter system (Sewage Works No. 5). The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
5. The Owner shall ensure that grass-cutting is maintained regularly over the subsurface disposal bed(s), and that adequate steps are taken to ensure that the area of the underground works is protected from vehicle traffic.
6. The Owner shall visually inspect the general area where Works are located for break-out **once every month** during the operating season.
7. In the event a break-out is observed from a subsurface disposal bed, the Owner shall do the following:
 - a. sewage discharge to that subsurface disposal bed shall be discontinued;
 - b. the incident shall be **immediately** reported verbally to the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060;
 - c. submit a written report to the District Manager within **one (1) week** of the break-out;
 - d. access to the break-out area shall be restricted until remedial actions are complete;
 - e. during the time remedial actions are taking place sewage directed to the failed/failing components of the Works shall not be allowed to discharge to the environment; and
 - f. sewage shall be safely collected and disposed of through a licensed waste hauler to an approved sewage disposal site.
8. The Owner shall ensure that the septic tanks are inspected **at least twice per year**, and the sewage sludge accumulated in the septic tanks be periodically withdrawn at the frequency required to maintain efficiency of the treatment system. The effluent filters in septic tanks shall be cleaned out at least once every six (6) months, when the tank is pumped out, or as determined by the Operating Agency, whichever comes first.
9. The Owner shall ensure that the Operating Agency possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.

10. The Owner shall maintain a minimum 4,000 square metre vacant reserve area free from any structure, stockpile of materials or underground utilities, located adjacent to Sewage Works No. 5 as a contingency measure for future design, approval and construction of an additional or replacement subsurface disposal bed;
11. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

7. MONITORING AND RECORDING

1. The Owner shall, upon commencement of operation of the Works, carry out a scheduled monitoring program of collecting samples at the required sampling points, at the frequency specified or higher, by means of the specified sample type and analyzed for each parameter listed in the tables under the monitoring program included in **Schedule D and E** and record all results, as follows:
 - a. all samples and measurements are to be taken at a time and in a location characteristic of the quality and quantity of the sewage stream over the time period being monitored.
 - b. definitions and preparation requirements for each sample type are included in document referenced in Paragraph 2.a.
 - c. definitions for frequency:
 - i. Monthly means once every month;
 - ii. Semi-annually means once every six months;
 - iii. Annually means once every year;
2. 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 publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended;
 - b. the publication "Standard Methods for the Examination of Water and Wastewater", as amended; and
 - c. for any parameters not mentioned in the documents referenced in Paragraphs 2.a and 2.b, the written approval of the District Manager shall be obtained prior to sampling.

3. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to each individual subsurface disposal bed, 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 each of the subsurface disposal bed;
4. 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.

8. REPORTING

1. The Owner shall report to the District Manager orally **as soon as possible** any non-compliance with the compliance limits specified in Condition 5, and in writing within **seven (7) days** of non-compliance.
2. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges) made under the EPA, the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a 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 performance reports on a calendar year basis and submit to the District Manager in an electronic format by **March 31** of the calendar year following the period being reported upon. The reports shall contain, but shall not be limited to, the following information pertaining to the reporting period:
 - a. a summary and interpretation of all effluent monitoring data, including concentration, flow rates and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;
 - b. a summary and interpretation of all groundwater sample results;
 - c. a review and assessment of performance of the Works, including all treatment units and subsurface disposal beds;
 - d. a description of steps that will be/have been taken, with implementation schedule, to address any non-compliance with the compliance limits specified in Condition 5;
 - 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 subsurface 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 Flow discharged into the Shallow Buried Trench and flow data from the Upper Comfort Station and Lower Comfort Station;
- 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; and
- k. any other information the District Manager requires from time to time.

9. DECOMMISSIONING OF UN-USED 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 work 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 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 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.
4. Condition 4 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.
5. Condition 5 is imposed to ensure that the effluent discharged from the Works to the groundwater meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.
6. Condition 6 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. Condition 6(10) is included to specify a reserved area in case an expansion in the final disposal bed was required as a result of the flow exceeding 275 L/d; 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.
7. Condition 7 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.

8. Condition 8 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.
9. Condition 9 is included to ensure that any components of un-used Works are properly decommissioned.

Schedule A

1. Application for Environmental Compliance Approval dated February 1, 2024 and received on February 5, 2024.

Schedule B

Effluent Objectives for Sewage Works 5 prior to the Discharge to the Shallow Buried Trench

Final Effluent Parameter	Averaging Calculator	Concentration Objectives (maximum unless otherwise indicated)
CBOD5	Single Sample Result	10.0 mg/L
Total Suspended Solids	Single Sample Result	10.0 mg/L

Schedule C

Effluent Compliance Limits for Sewage Works 5 prior to the Discharge to the Shallow Buried Trench

Final Effluent Parameter	Averaging Calculator	Concentration Limits (maximum unless otherwise indicated)
CBOD5	Single Sample Result	20.0 mg/L
Total Suspended Solids	Single Sample Result	20.0 mg/L

Schedule D

Effluent Monitoring Program for Sewage Works 5

Sample location	Biofilter Tank No. 1
Minimum Frequency	Monthly during operation
Sample Type	Grab
Parameters	CBOD5, Total Suspended Solids

Groundwater Monitoring

Sample location	Two Existing Groundwater wells, downstream of Sewage Works No. 5
Minimum Frequency	Semi Annually
Sample Type	Grab
Parameters	E. Coli, Fecal Coliform, Sodium, Chloride, Nitrate Nitrogen

Schedule E

Groundwater Monitoring to establish Background Water Quality (prior to commencement of the operation of Sewage Works 5)

Sample location	Two Existing Groundwater wells, downstream of Sewage Works No. 5
Sample Type	Grab
Parameters	Nitrates, Nitrites, Total Kjeldahl Nitrogen (TKN), ammonia, sodium, chlorides, E.Coli and total coliforms.

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land 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 ("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:

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

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

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 26th day of June, 2024

A handwritten signature in black ink that reads "A. Ahmed". The signature is written in a cursive style and is underlined with a single horizontal line.

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

KH/

c: District Manager, MECP Kingston District.
Kaleb Lakew, P.Eng., Kollaard Associates Inc.