

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 1520-CR9NHQ

Issue Date: July 6, 2023

Len's Cove Marina Limited  
1 Water Street  
Rideau Lakes, Ontario  
K0G 1V0

Site Location: Len's Cove Marina  
1 Water Street Portland  
Township of Rideau Lakes  
United Counties of Leeds and Grenville  
K0G 1V0

*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, amendment, usage and operation of new and Existing non-municipal Works, for the treatment and disposal of sanitary sewage from Len's Cove Marina facilities, with an overall maximum daily flow rate of 12,100 Litres per day, comprising;

**Details of Service Area:**

- **Type of Occupancy:** Commercial (including Seasonal and Year Round facilities)
- **Type and Number of Units:** 43,000 m<sup>2</sup> of the site area comprising;

Existing Site Facilities to be serviced by the Existing/Proposed Sewage Works

S. No.	Facility/Cottage Name	No. of Bedrooms, unless otherwise mentioned	Existing/Proposed Sewage Works serving the facility	Year Round
1	MURPHY	2	1	No
2	SHELDONS	3	1	No
3	GREEN	2	1	No
4	SHERWOODS	4	New sewage system	Yes
5	PIKE ALLEY	2	2	No
6	BRITON	3	2	No
7	BELLOWS	3	2	No
8	HAUGHTON	2	New sewage system	No
9	HAWSE	2	New sewage system	No
10	BASS	2	New sewage system	No
11	HORSESHOE	2	New sewage system	No
12	NARROWS	2	New sewage system	No
13	HUDSON	3	New sewage system	No
14	BEAVER	3	New sewage system	No
15	Boaters Washroom (Uses)	20 uses	1	No
16	Marina Building (Employees)	14 employees	2	Yes
17	Laundry (Uses)	5 uses	4	No
18	Boat Pump Outs (Uses)	3 uses	4	No

**Maximum Daily Flow of all on-site sewage Works:**

<b>Design Capacity with All Treatment Trains in Operation</b>	<b>Prior to Completion of Construction of All Proposed Works</b>	<b>Upon Completion of Construction of All Proposed Works</b>
<b>Maximum Daily Flow</b>	12,100 Litres/day	12,100 Litres/day

**PROPOSED WORKS**

**1. Sewage Works No. 5 (Maximum Daily Flow = 6,000 L/day)**

Proposed Sewage Works No. 5, serving the facilities listed at serial number 4, and 8 to 14 in the table given above entitled "Existing Site Facilities to be serviced by the Existing/Proposed Sewage Works", comprising;

**Proposed MBBR (Moving Bed Bioreactor) System**

**Inline Sludge Storage tank**

One (1), sludge storage tank SS, located North of Cabin 14, having an effective volume of 6,400 L, receiving flow from the sewage collection system as well as recirculated flow from the secondary clarifier;

**Primary Clarifier Tank**

One (1), primary clarification tank PC, located North of Cabin 14, having an effective volume of 3,200 L, designed with a hydraulic retention time of 2 hours, receiving flow from the Sludge Storage Tank SS;

**Moving Bed Bioreactor (iQ.MBBR) Bioreactor (BR) Tank**

one (1) proposed MBBR Bioreactor BR, located North of Cabin 14, having a working volume of 4,500 Litres, designed with a minimum hydraulic retention time of 3 hours, containing specially designed plastic media with a surface area of 950 m<sup>3</sup>, with oxygen supplied by two (2) linear air compressors, supplying oxygen at a minimum rate of 11 Nm<sup>3</sup>/hour at 199 mbar, and distributing through fine bubble diffusers, and discharging by gravity in to the Secondary Clarifier SC;

**Secondary Clarifier Tank SC**

one (1) concrete Secondary Clarifier, North of Cabin 14, having a working volume of 4,100 Litres, receiving gravity flow from BR, discharging supernatant to Effluent Pump Tank EPT, complete with two (2) sloped wall hoppers and settled sludge removed from the bottom of the hopper by two sludge return pumps which is returned to the Sludge Storage tank SS;

**Phosphorus Removal**

one (1) coagulant dosing system for phosphorus reduction, consisting of one (1) coagulant storage tank with secondary containment and one (1) chemical metering pump, dosing coagulant (alum, PAC or approved alternate) into the process as required;

### **Effluent Pump Tank EPT**

One (1) 2,900 Litres Effluent Pump Tank complete with two (2) effluent pump rated at 175 L/min at 5 m TDH to pump on a timed dose basis, each pumping through an electromagnetic or ultrasound effluent flow meter located in the control shed to dose 200 L/dose to the raised filter bed;

### **Final Effluent Disposal Facility (subsurface disposal)**

#### **Distribution Box**

Distribution box, located at the head of the leaching bed cells, with two (2) outlets to provide even distribution to each of the ten laterals of the two leaching bed cells to disperse the daily flow of 6,000 L/day;

#### **Raised Filter Bed (Q = 6,000 Litres per day)**

One fully raised filter bed, located North of Cabin 15, designed for the percolation rate of native soils T-time of 20 min/cm, constructed with two cells of distribution pipes, each having 5 Runs of 5 m each with 75 mm diameter perforated pipes, installed in 30 m<sup>2</sup> layer of imported stone, overlying a layer of imported filter sand base area of 168 m<sup>2</sup> and sand fill area of 462 m<sup>2</sup>, with a percolation time of 6 to 10 min/cm;

### **2. Sewage Works 4 (amendment in the Existing Sewage Works 4) (Q = 900 L/day)**

Existing sewage Works No. 4, located East of South of Cabin 13, with an Existing maximum daily flow of 3,400 L/day, and now being re-rated to 900 L/day, receiving sewage from Laundry and Boat Pump Outs only as Proposed, and amended to no longer receive sewage from the existing Cottage No. 8 to 12, comprising of one Holding Tank 1, having a volume of 9,000 liters, designed to hold the sewage and on demand pump out;

### **3. Decommissioning of Existing Works**

Decommissioning of the existing Sewage Works No. 3;

## **EXISTING WORKS**

### **1. Sewage Works 1 (Q = 2,150 L/day)**

Existing sewage Works No. 1, located South East of the Boaters Washrooms, with a maximum daily flow of 2,150 L/day, receiving sewage from Cottage No, 1, 2, 3 and the Boaters Washrooms, comprising;

One Septic Tank 1, having a volume of 9,000 liters. conveyed the effluent by gravity to the leaching bed No. 1;

One in ground 76 m<sup>2</sup> filter bed 1, consisting of 8 runs of distribution piping, each run having a total length of 6.75 m, with a total distribution pipe length of 54 m;

### **2. Sewage Works 2 (Q = 3,050 L/day)**

Existing sewage Works No. 2, located South of the Swimming Pool, with a maximum daily flow of 3,050 L/day, receiving sewage from Cottage No, 5, 6 and 7, and the Marina Building, comprising;

One Oil/Water Separator, located North East of the Marina Building, receiving sewage flow from the French drains running along the inside edge of both garage doors via gravity and discharging to the 900 L pump chamber at the South East edge of the Marina building;

One 900 L pump chamber located at the South East edge of the Marina Building, discharging to the 18,000 L Septic Tank;

One Septic Tank 1, receiving sewage flow from the pump chamber, having a volume of 18,000 L, conveying the effluent by gravity to the leaching bed No. 2;

One in ground 184 m<sup>2</sup> infiltrator leaching bed 1, consisting of 8 runs of distribution piping, each run having a total length of 23.1 m, with a total distribution pipe length of 184.4 m;

### **3. Sewage Works 3**

Now being decommissioned

### **4. Sewage Works 4 (now being amended to Q=900 L/day)**

Existing sewage Works No. 4, located South of Cabin 13, with a maximum daily flow of 3,400 L/day, receiving sewage from Cottage No. 8 to 12 (now being routed to Sewage Works No. 5 and thus reducing the maximum daily flow to 900 L/day), Laundry and Boat Pump Outs, comprising;

One Holding Tank 1, having a volume of 9,000 litres, designed to hold the sewage and on demand pump out;

all other monitoring and control systems, 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:*

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. "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;
4. "District Manager" means the District Manager of the appropriate local district office of the Ministry where the Works is geographically located;
5. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;

6. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
7. "Final Effluent" means effluent that is discharged to the environment through the approved effluent disposal facilities, that are required to meet the compliance limits at the Final Effluent sampling point(s);
8. "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;
9. "Influent" means flows to the Sewage Works from the collection system;
10. "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;
11. "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;
12. "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;
13. "Normal Operating Condition" means the condition when all unit process(es), in a treatment train is operating within its design capacity;
14. "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;
15. "Operating Agency" means the Owner, person or the entity that is authorized by the Owner for the management, operation, maintenance, or alteration of the Works in accordance with this Approval;
16. "Owner" means Len's Cove Marina Limited, including any successors and assignees;
17. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40;
18. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
19. "Seasonal Average Effluent Concentration" means the arithmetic mean of all Single Sample Results of the concentration of a contaminant in the Final Effluent sampled or measured, or both, during a seasonal discharge period;

20. "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;
21. "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 OF PROPOSED WORKS

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 time period 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 for all of the Proposed Works and Existing 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 FOR SEWAGE WORKS NO. 5**

1. The Owner shall design and undertake everything practicable to operate the the Proposed Sewage Works No. 5 in accordance with the following objectives:
  - a. Final Effluent parameters design objectives listed in the table(s) included in **Schedule B**.

#### **5. COMPLIANCE LIMITS FOR SEWAGE WORKS NO. 5**

1. The Owner shall operate and maintain the Proposed Sewage Works No. 5 such that compliance limits for the Final Effluent parameters listed in the table(s) included in **Schedule C** are met.

#### **6. ASSESSMENT REPORT FOR THE EXITING HOLDING TANK**

1. The Owner shall retain a qualified person to assess the holding tank and submit this assessment report to the District Manager within three (3) months of the issuance of this Approval;

#### **7. 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 Works, that includes, but not necessarily limited to, the following information:
  - a. operating procedures for the Works under Normal Operating Conditions;
  - 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. operating procedures for the Works to handle emergency situations such as a structural, mechanical or electrical failure, or an unforeseen flow condition;
  - 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 to the Spills Action Centre (SAC) and District Manager;
  - g. procedures for receiving, responding and recording public complaints, including recording any followup 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 maintain a logbook to record the results of all inspections, repair and maintenance undertaken, calibrations, monitoring and spill response or contingency measures undertaken and shall make the logbook available for inspection by Ministry staff. The logbook shall include the following:
    - a. the name of the operator making the entry; and
    - b. the date and results of each inspection, repair, maintenance, calibration, monitoring, spill response and contingency measures taken.
  5. 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. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
  6. 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.
  7. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.

8. 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 the sewage generated at the site shall not be allowed to discharge to the environment; and,
  - f. sewage generated at the site shall be safely collected and disposed of through a licensed waste hauler to an approved sewage disposal site.
9. The Owner shall ensure that the septic tanks be inspected **once every year** by the Operating Agency, 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, where present, 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.
10. 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.
11. The Owner shall ensure that flow of effluent discharged into the subsurface disposal bed does not exceed their respective maximum daily flow as included in this Approval.
12. 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.

## 8. 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 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.b.
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 Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended;
  - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended;
  - c. the publication "Standard Methods for the Examination of Water and Wastewater", as amended; and
  - d. for any parameters not mentioned in the documents referenced in Paragraphs 2.a, 2.b and 2.c, the written approval of the District Manager shall be obtained prior to sampling.
3. The Owner shall monitor and record the flow rate and daily quantity using flow measuring devices or other methods of measurement as approved below calibrated to an accuracy within plus or minus 15 per cent (+/- 15%) of the actual flowrate of the following:
  - a. Final Effluent discharged from the Proposed Works by continuous flow measuring devices and instrumentations/pumping rates;
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.

## 9. 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 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 Influent monitoring data, and a review of the historical trend of the sewage characteristics and flow rates;
  - b. a summary and interpretation of all flow data and results achieved in not exceeding the Effluent Objectives or Maximum Daily Flow discharged into the subsurface disposal system;
  - c. a summary and interpretation of all Final 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;
  - d. a summary of all operating issues encountered and corrective actions taken;
  - e. a summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
  - f. a summary of any effluent quality assurance or control measures undertaken;
  - g. a summary of the calibration and maintenance carried out on all Final Effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
  - h. a summary of any complaints received and any steps taken to address the complaints;
  - i. a summary of all spills within the meaning of Part X of EPA and abnormal discharge events;
  - j. any changes or updates to the schedule for the completion of construction and commissioning operation of major process(es) / equipment groups in the Proposed Works;
  - k. any other information the District Manager requires from time to time.

## **10. DECOMMISSIONING OF EXISTING WELL NO. 2**

1. The Owner shall properly decommission Well No. 2 in accordance with Ontario Regulation 903, as amended from time to time, within 6 months of the issuance of the approval and /or prior to the operation of the newly Proposed Sewage Works.

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

1. Condition 1 regarding general provisions is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted.
2. Condition 2 regarding change of Owner and Operating Agency is included to ensure that the Ministry records are kept accurate and current with respect to ownership and Operating Agency of the 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.
3. Condition 3 regarding construction of Proposed Works/record drawings 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, and that prior to the commencement of construction of the portion of the Works that are approved in principle only, the Director will have the opportunity to review detailed design drawings, specifications and an engineer's report containing detailed design calculations for that portion of the Works, to determine capability to comply with the Ministry's requirements stipulated in the terms and conditions of the Approval, and also ensure that the Works are constructed in accordance with the Approval and that record drawings of the Works "as constructed" are updated and maintained for future references.
4. Condition 4 regarding design objectives is imposed to establish non-enforceable design objectives to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs.
5. Condition 5 regarding compliance limits is imposed to ensure that the Final Effluent discharged from the Works to the environment meets the Ministry's effluent quality requirements.
6. Condition 6 and 7 regarding assessment of the Existing Holding Tank and operation and maintenance of the sewage works are 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. 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 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.
7. Condition 8 regarding monitoring and recording 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 compliance limits.

8. Condition 9 regarding reporting 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 this Approval.
9. Condition 10 regarding decommissioning of the Water Well No. 2 is included as this well is located in the expected pathway of effluent impacted groundwater from the new Proposed Sewage Works and therefore should not be used for water supply.

## **Schedule A**

1. Application for Environmental Compliance Approval October 14, 2022 and received on October 17, 2022.



## Schedule B

### Final Effluent Design Objectives - Sewage Works No. 5

Concentration Objectives upon completion of construction of all Proposed Works

<b>Final Effluent Parameter</b>	<b>Averaging Calculator</b>	<b>Objective</b>
CBOD5	Seasonal Average Effluent Concentration	10 mg/L
Total Suspended Solids	Seasonal Average Effluent Concentration	10 mg/L
Total Phosphorus	Seasonal Average Effluent Concentration	2.8 mg/L

## Schedule C

### Final Effluent Compliance Limits - Sewage Works No. 5

#### Concentration Limits upon completion of construction of all Proposed Works

<b>Final Effluent Parameter</b>	<b>Averaging Calculator</b>	<b>Limit</b> (maximum unless otherwise indicated)
CBOD5	Seasonal Average Effluent Concentration	15 mg/L
Total Suspended Solids	Seasonal Average Effluent Concentration	10 mg/L
Total Phosphorus	Seasonal Average Effluent Concentration	3 mg/L

## Schedule D

### Monitoring Program - Sewage Works No. 5

#### Influent/Raw Sewage Monitoring - Proposed Work

##### Influent/Raw Sewage sampling point: Sludge Storage Tank

Parameters	Sample Type	Minimum Frequency*
BOD5	Grab	Monthly during the operation period (June to September)
Total Suspended Solids	Grab	Monthly during the operation period (June to September)
Total Phosphorus	Grab	Monthly during the operation period (June to September)
pH	Grab	Monthly during the operation period (June to September)

\*period during the sampling events to be spread evenly

#### Final Effluent Monitoring - Sewage Works No. 5

##### Final Effluent sampling point: Effluent Pump Tank

Parameters	Sample Type	Minimum Frequency*
CBOD5	Grab	Monthly during the operation period (June to September)
Total Suspended Solids	Grab	Monthly during the operation period (June to September)
Total Phosphorus	Grab	Monthly during the operation period (June to September)
pH	Grab	Monthly during the operation period (June to September)

\*period during the sampling events to be spread evenly

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

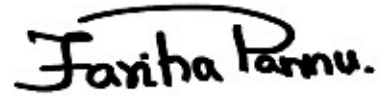
The Director appointed for the purposes of  
Part II.1 of the *Environmental Protection Act*  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* 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](http://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 6th day of July, 2023

A handwritten signature in black ink that reads "Fariha Pannu." The signature is written in a cursive style with a large, sweeping arch over the first few letters.

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Fariha Pannu, P.Eng.

Director

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

KH/

c: District Manager, MECP Kingston District.  
Paisley McDowell, P.Eng., EnVision Consultants Ltd.