

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 5021-CRERS2  
Issue Date: May 29, 2023

Shiloh Christian Centre  
183 Kawartha Lakes County Road 8 Rd  
Kawartha Lakes, Ontario  
K0M 1N0

Site Location: Shiloh Christian Centre of Ontario  
183 Kawartha Lakes County Road 8  
Kawartha Lakes City,  
K0M 1N0

*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 replacement and upgrade of Works for the treatment of sanitary sewage and subsurface disposal of treated effluent from Shiloh Christian Centre at the above site location, rated at a Maximum Daily Flow of 15,920 litres per day, consisting of the following:

**Proposed Works**

**Sewage System No. 1 (SS-1)**

- one (1) new 900 litres three-compartment concrete grease interceptors, receiving effluent from the church restaurants via pressurized pipe and discharging by gravity to the existing septic tank (ST1);

**Sewage System No. 2 (SS-2)**

One (1) sewage treatment and subsurface disposal system, having a total daily design sanitary sewage flow of approximately 4,700 litres per day, servicing three (3) seasonal cottages, consisting of the following:

- one (1) new 4,500 litres precast concrete septic tank (ST2A), equipped with 0.16 millimetres filtration slot effluent filter complete with access risers fitted to grade, receiving raw sewage from the cottage Oak and discharging via a 100 millimetres diameter pressurized pipe into the lift station (LS1) described below;

- one (1) new 6,800 litres precast concrete septic tank (ST2B), equipped with 0.16 millimetres filtration slot effluent filter complete with access risers fitted to grade, receiving raw sewage from cottage Pine and the Bunk House and discharging effluent into the 3,600 litres pump chamber (PC2) described below via a 38 millimetres diameter HDPE pressurised pipe;
- one (1) new precast concrete square lift station (LS1) with the capacity of 1,620 litres and a working capacity of 885 litres is equipped with an "on demand system", three (3) liquid level switches and an effluent pump (P1) to pump sewage via a 38 millimetres diameter HDPE pressurised pipe from ST2A into the pump chamber (PC2) described below;
- one (1) new precast concrete pump chamber (PC2) with a volume of 3,600 litres and a working capacity of 3,140 litres is equipped with an "on demand system", three (3) liquid level switches and an effluent pump (P2) to pump sewage from LS1 and ST2B into the proposed leaching bed number 2 through a 38 mm diameter HDPE pressured pipe;
- one (1) new fully raised absorption trench leaching bed (Leaching Bed #2) having a capacity of 4,700 litres per day, receiving effluent from the aforementioned PC2, constructed as eight (8) runs of 15 metres length distribution pipe (75 millimetres diameter PVC, 1600 millimetres spacing), with the total combine length of distribution 120 metres, with the pipes installed on 300 millimetres of imported sand fill having a percolation rate of approximately 6 minutes per centimetre, the pipes are covered with a 150 millimetres deep layer of porous backfill;

### **Sewage System No. 3 (SS-3)**

One (1) sewage treatment and subsurface disposal system, having a total daily design sanitary sewage flow of approximately 4,700 litres per day, servicing three (3) seasonal cottages, consisting of the following:

- one (1) new 4,500 litres precast concrete septic tank (ST3A), equipped with 0.16 millimetres filtration slot effluent filter complete with access risers fitted to grade, receiving raw sewage from the cottage Cedar and discharging into the pump chamber (PC3) described below via a 38 millimetres diameter pressurized pipe;
- one (1) new 6,800 litres precast concrete septic tank (ST3B), equipped with 0.16 millimetres filtration slot effluent filter complete with access risers fitted to grade, receiving raw sewage from cottage Spruce and Birch and discharging effluent via gravity into PC3;
- one (1) new precast concrete pump chamber (PC3) with a volume of 3,600 litres and a working capacity of 3,140 litres is equipped with an "on demand system", three (3) liquid level switches and an effluent pump (P3) and discharging effluent via a 38 millimetres diameter pressurized pipe into the proposed Leaching Bed #3;
- one (1) new fully raised absorption trench leaching bed (Leaching Bed #3) having the capacity of 4,700 litres per day, receiving effluent from the aforementioned PC3, constructed as eight (8) runs of

15 metres length distribution pipe (75 millimetres diameter PVC, 1600 millimetres spacing), with the total combine length of distribution 120 metres, with the pipes installed on 300 millimetres of imported sand fill having a percolation rate of approximately 6 minutes per centimetre, the pipes are covered with a 150 millimetres deep layer of porous backfill;

#### **Sewage System No. 4 (SS-4)**

One (1) sewage treatment and subsurface disposal system, having a total daily design sanitary sewage flow of approximately 2,200 litres per day, servicing two (2) seasonal cottages, consisting of the following:

- one (1) new septic tank (ST4) of 4,500 litres provided with access risers to grade, equipped with a effluent filter of 0.16 millimetres filtration slots on the outlet, receiving sewage from the cottage Maple and Sumac, and discharging effluent via a 38 millimetres diameter pressurized pipe into pump chamber number 4 (PC4);
- one (1) new precast concrete pump chamber (PC4) with a volume of 3,600 litres and a working capacity of 3,140 litres is equipped with an "on demand system", three (3) liquid level switches and an effluent pump (P4) to pump sewage from ST4 into the proposed Leaching Bed #4;
- one (1) new fully raised absorption trench leaching bed (Leaching Bed #4) having the capacity of 2,200 litres per day, receiving effluent from the aforementioned PC4, constructed as six (6) runs of 10 metres length distribution pipe (75 millimetres diameter PVC, 1600 millimetres spacing), with the total combine length of distribution 60 metres, with the pipes installed on 300 millimetres of imported sand fill having a percolation rate of approximately 6 minutes per centimetre, the pipes are covered with a 150 millimetres deep layer of porous backfill;

#### **Existing Works**

##### **System No 1. (To be remained)**

- one (1) existing 6,819 litres precast concrete septic tank (ST1), equipped with access risers to grade and a new effluent filter. The septic tank receiving sewage from the church and the proposed grease interceptor via a 38 millimetres diameter pressurized pipe and discharging the effluent via gravity into the leaching bed described below;
- one (1) existing partially raised leaching bed receiving effluent from ST1, constructed as six (6) runs of 16.8 metres length distribution pipe (100 millimetres diameter, 1,524 millimetres spacing), with the total combine length of distribution 100 metres.

##### **System No 2. (To be replaced)**

- Servicing cottage Oak;
- Septic tank have a capacity of 600 IMP gal; leaching bed size unknown.

### **System No 3. (To be replaced)**

- Servicing cottage Pine and Bunk House;
- Septic tank have a capacity of 600 IMP gal; leaching bed size unknown.

### **System No 4.(To be replaced)**

- Servicing cottage Spruce and Birch;
- Septic tank have a capacity of 800 IMP gal; leaching bed size unknown.

### **System No 5. (To be replaced)**

- Servicing cottage Cedar;
- Septic tank have a capacity of 600 IMP gal; leaching bed size unknown;
- Not located for Sumac and Maple.

### **Works to be Decommissioned:**

- The existing Sewage System number 2 to number 5 will be decommissioned and abandoned.

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

all in accordance with the submitted supporting documents listed in **Schedule A**.

*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. "Commissioned" means the construction is complete and the system has been tested, inspected, and is ready for operation consistent with the design intent;
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 Peterborough District Office;
5. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19, as amended;
6. "Existing Works" means those portions of the Works included in the Approval that have been

constructed previously;

7. "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;
8. "Maximum Daily Flow" means the largest volume of flow to be received during a one-day period for which the Works is designed to handle;
9. "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;
10. "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;
11. "Owner" means Shiloh Christian Centre and its successors and assignees;
12. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
13. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
14. "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. EXPIRY OF APPROVAL

1. The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within **five (5) years** of the date of this Approval.

## 3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes **within 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.B17 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. C39 shall be included in the notification.
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.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

## 4. CONSTRUCTION

1. The Owner shall ensure that the construction of the Works is supervised by a Licensed Engineering Practitioner.
2. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
3. The Owner shall ensure that an imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by the 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. Within **six (6) months** of the Works being Commissioned, the Owner shall prepare a statement, certified by a Licensed Engineering Practitioner, that the Works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by

Ministry staff.

5. Within **six (6) months** of the Works being Commissioned, the Owner shall prepare a set of as-built drawings showing the Works "as constructed". "As-built" drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the site for the operational life of the Works and shall be made available for inspection by Ministry staff.

## 5. OPERATIONS, MAINTENANCE AND RECORDING

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 funding, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA 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 ensure that the septic tanks are pumped out every 3-5 years or when the tank is 1/3 full of solids and the effluent filter is cleaned out at minimum once a year (or more often if required).
3. The Owner shall ensure that the oil/grease interceptor is inspected and maintained on regular basis as required, and grease is disposed off site by a licensed hauler (e.g. at approved recycling sites).
4. 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.
5. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.
6. 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 system 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.

7. The Owner shall maintain a logbook to record the results of operation and maintenance activities specified in the above sub-clauses, and shall keep the logbook at the site and make it available for inspection by the Ministry staff.
8. 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.

## **6. REPORTING**

1. **One (1) week** prior to the start up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. In addition to the obligations under Part X of the 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.

## **7. DECOMMISSIONING OF UN-USED WORKS**

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

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the



precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the Works are constructed, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Condition 5 is included to require that the Works be properly operated, maintained, and equipped such that the environment is protected.
6. Condition 6 is included to ensure the Ministry is given prior notice of the pending start up date of the Works and all reportable spills are properly dealt with, documented and reported.
7. Condition 7 is included to ensure that any components of un-used Works are properly decommissioned.

### **Schedule A**

1. Application for Environmental Compliance Approval submitted by Allen Scott Cross, President of Shiloh Christian Centre of Ontario received on October 11, 2022 for the proposed replacement and upgrade of the five (5) existing septic systems, including Environmental Study Report, design report, final plans and specifications.

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

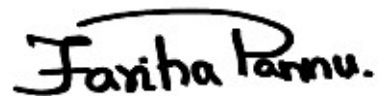
The Director appointed for the purposes of  
Part II.1 of the *Environmental Protection Act*  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

\* 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 29th day of May, 2023



---

Fariha Pannu, P.Eng.

Director

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

ZD/

c: District Manager, MECP Peterborough District Office  
Steve Gagne, GHD Limited