

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7848-CGYLFR
Issue Date: September 2, 2022

Haliburton Forest & Wild Life Reserve Limited
1095 Redkenn Road
Township of Dysart et al, County of Haliburton
Ontario K0M 1S0

Site Location: 1095 Redkenn Road
Township of Dysart et al, County of Haliburton
Ontario K0M 1S0

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, use and operation of two (2) Proposed Works and seven (7) Existing Works for the collection, transmission, treatment and subsurface disposal of domestic sewage with a combined Rated Capacity of 25,525 litres per day, located at the above noted Site Location, and consisting of the following:

PROPOSED WORKS

1. Staff Office & Snowmobile House System

subsurface sewage disposal works with a Rated Capacity of 5,500 litres per day to service Staff Office, Laundry facility and Snowmobile House, and consisting of the following:

Septic tanks

one (1) 14,003 litre capacity two compartment Brooklin precast concrete septic tank or Equivalent Equipment receiving effluent from Staff Office and Laundry Facility, complete with access ports from ground surface and an effluent filter meeting OBC requirements, discharging effluent by gravity to a pump chamber;

one (1) 4,539 litre capacity two compartment Brooklin precast concrete septic tank or Equivalent Equipment receiving effluent from Snowmobile House, complete with access ports from ground surface and an effluent filter meeting OBC requirements, discharging effluent under gravity to a pump chamber;

Pump chamber

one (1) 2,900 litres pump Brooklin precast concrete tank or Equivalent Equipment receiving effluent from septic tanks described above, equipped with duplex 0.5 hp effluent pumps capable of dosing 1,026 litres on demand within 15 minutes at 3.39 metres of total dynamic head, equipped with an access port, audible and visual alarm system, discharging effluent via a 50 millimetre forcemain through a distribution box (1-inlet, 5-outlets) to a leaching bed;

Leaching bed

one (1) partially raised absorption trench leaching bed receiving effluent through a 1-inlet 5-outlets distribution box, consisting of 10 laterals of 75 millimetre diameter perforated distribution pipe, each lateral being 30 metres in length for a total of 300 metres, spaced at 1.6 metre centres, installed within 300 millimetre thick clear stone layer overlying a 900 millimetre imported sand fill with a percolation time of 6-10 minutes per centimetre, complete with a total mantle contact area of 1074.4 square metres (31.6 metres x 34 metres) comprising a 300 millimetre thick mantle of native soil with percolation time of 15 minutes per centimetre over an area covered by the bed and extending at least 15 metres beyond the outer distribution pipe;

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

2. Camboose System

subsurface sewage disposal works with a Rated Capacity of 1,800 litres per day to service one (1) cabin (total occupancy for 12 people) and consisting of the following:

Septic tank

one (1) 6,154 litre capacity two compartment Brooklin precast concrete septic tank or Equivalent Equipment receiving effluent from the cabin, complete with access ports from ground surface and an effluent filter meeting OBC requirements, discharging effluent by gravity to a leaching bed;

Leaching bed

one (1) partially raised filter bed receiving effluent from septic tank, having contact area of approximately 32.5 square metres and loading area of approximately 32.5 square metres, consisting of five (5) runs of 5 metres long 75 millimetre diameter perforated pipes spaced at 1.0 metre centres, installed in a continuous 300 millimetre thick stone layer overlying a minimum of 750 millimetres deep filter medium meeting grading requirements as per the OBC, complete with a minimum of 300 millimetre thick native soil mantle with percolation time of 15 minutes per centimetre over an area covered by the bed and extending for at least 15 metres beyond the outer distribution pipe, and the top surface of filter medium located a minimum of 900 millimetres above the rock or native soil of percolation time greater than 50 minutes per centimetre;

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

EXISTING WORKS

- 1. Boiler Room System** (*previously unapproved*)
subsurface sewage disposal works with a Rated Capacity of 1,500 litres per day servicing one building (total occupancy for 10 people) and consisting of a 3,600 litre septic tank discharging by gravity to an in-ground leaching bed with 128 metres of distribution pipe.
- 2. Bear Den System** (*previously unapproved*)
subsurface sewage disposal works with a Rated Capacity of 1,500 litres per day servicing one cabin (total occupancy for 10 people) and consisting of 5,000 litre septic tank discharging by gravity to an in-ground leaching bed with 79 metres of distribution pipe.
- 3. Whiskey Jack System** (*previously unapproved*)
subsurface sewage disposal works with a Rated Capacity of 1,500 litres per day servicing one cabin (total occupancy for 10 people) and consisting of 5,000 litre septic tank discharging by gravity to an in-ground leaching bed with 79 metres of distribution pipe.
- 4. Wolf Centre System** (*previously approved by Haliburton, Kawartha, Pine Ridge District Health Unit, Permit No. HAV-1-95*)

subsurface sewage disposal works with a Rated Capacity of 1,500 litres per day servicing educational building (total seating for 50 people & one bedroom) and consisting of 3,600 litre septic tank, 450 litre pump chamber discharging to an in-ground leaching bed with 60 metres of distribution pipe.
- 5. Restaurant** (*previously approved by Haliburton, Kawartha, Pine Ridge District Health Unit, Permit No. HAV-16-99*)

subsurface sewage disposal works with a Rated Capacity of 8,475 litres per day servicing the restaurant (with seating for 55 people and includes a three-bedroom dwelling) and consists of a grease trap, two (2) 13,500 litre septic tanks, a 4,500 litre pump chamber discharging by a pump to an in-ground leaching bed with 420 metres of distribution pipe.
- 6. Comfort Station** (*previously approved by Haliburton, Kawartha, Pine Ridge District Health Unit, Permit No. HAV-25-90*)

subsurface sewage disposal works with a Rated Capacity of 3,000 litres per day servicing comfort station and consisting of 9,000 litre septic tank discharging by gravity to an in-ground leaching bed with 120.8 metres of distribution pipe.

7. **Sugar Shack** (previously approved by Haliburton, Kawartha, Pine Ridge District Health Unit, Permit No. HAV-29-89)

subsurface sewage disposal works with a Rated Capacity of 750 litres per day servicing one-bedroom cabin and consisting of 2,700 litre septic tank discharging by gravity to a semi-raised leaching bed with 48 metres of distribution pipe.

all in accordance with Supporting Documentation submitted to the Ministry as listed in the **Schedule A** in this Approval.

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

1. "Approval" means this entire Approval document and any Schedules to it, including the application and Supporting Documentation;
2. "Director" means a person appointed by the Minister pursuant to Section 5 of the EPA for the purposes of Part II.I of the EPA;
3. "District Manager" means the District Manager of the Peterborough District Office;
4. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c. E.19;
5. "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;
6. "Licensed Installer" means a person who is registered under the Building Code to construct, install, repair, service, clean or empty on-site sewage systems;
7. "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;
8. "OBC" means the Ontario Building Code, Ontario Regulation 332/12 (Building Code) made under the *Building Code Act, 1992* , S.O. 1992, c. 23;
9. "Owner" means Haliburton Forest & Wild Life Reserve Limited and its successors and assignees;
10. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40;
11. "Rated Capacity" means maximum design daily sanitary sewage flow for which the Works are approved to handle;
12. "Supporting Documentation" means the documents listed in Schedule A of this Approval;
13. "Proposed Works" means those portions of the Works included in the Approval that are

under construction or to be constructed;

14. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
15. "Works" means the approved sewage works described this Approval 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. 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 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 to the District Manager;
 - d. change of name of the corporation and a copy of the most current information filed under the

Corporations Informations Act , R.S.O. 1990, c. C39 shall be included in the notification to the District Manager;

2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.
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 Installer or 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 or Licensed Installer for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.
4. Upon construction of the Works, the Owner shall prepare a statement, certified by a Licensed Installer or 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. Upon construction of the Works, the Owner shall prepare a set of as-built drawings showing the Works "as constructed". "As-built" drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the site for the operational life of the Works and shall be made available for inspection by Ministry staff.

5. OPERATIONS, MAINTENANCE, AND RECORDING

In respect of Works that do not have a treatment unit other than a septic tank, the Owner shall ensure that the following conditions are fulfilled:

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 tank is 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 sewage 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.
9. The Owner shall retain a Licensed Engineering Practitioner to conduct an inspection of the Works titled as **Boiler Room System, Bear Den System, Whiskey Jack System, and Wolf Centre System** every five (5) years after issuance of this Approval, and prepare an Inspection Report that shall provide at a minimum, the following information:
 - a. Details about general operational condition of the Works.

- b. Assessment of potential indications of failure of the Works, including but not limited to offensive odours, ponding on disposal beds or near underground tanks, sewage back-ups, etc.

10. Upon request, the Owner shall make the Inspection Reports available to Ministry staff.

6. REPORTING

1. **One 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. 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), the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and Ontario Regulation 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.

7. DECOMMISSIONING OF UN-USED SEWAGE WORKS

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

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the works are constructed, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Condition 5 is included so that the Works be properly operated, maintained, and inspected such that the environment is protected.
6. Condition 6 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.
7. Condition 7 is included to ensure that any components of un-used Works are properly decommissioned.

SCHEDULE A

List of Supporting Documentation

1. Application for Environmental Compliance Approval submitted by Cameron Ferguson, Operations Manager of Haliburton Forest & Wild Life Reserve Limited, received on May 11, 2022 for the establishment of proposed subsurface disposal Works, including design report, final plans and specifications, and supporting documentation.

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

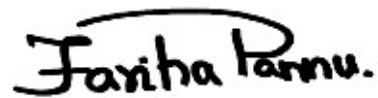
The Director appointed for the purposes of
Part II.1 of the *Environmental Protection Act*
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

* 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 2nd day of September, 2022

A handwritten signature in black ink that reads "Fariha Pannu." The signature is written in a cursive style with a large, sweeping initial 'F'.

Fariha Pannu, P.Eng.

Director

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

MS/

c: District Manager, MECP Peterborough District Office
Jeremy Tracey, Cambium Inc.