

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 4582-C3ZJXV  
Issue Date: July 22, 2021

Crane Lake Discovery Camp  
20 Oriole Parkway East Parkway, Post Office Box No. 354  
Woolwich, Ontario, N3B 2C7

Site Location: 200 South Crane Lake Road  
Township of The Archipelago, District of Parry Sound  
P0H 1H0

*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 three (3) proposed and two (2) existing sewage works for the treatment and subsurface disposal of domestic sewage, servicing buildings located at the above noted Site Location and consisting of the following:

**PROPOSED WORKS**

**Septic System #3**      **Q=3,200 L/day**

Septic Tank

one (1) new two-chamber 6,400 Litre capacity septic tank, equipped with an effluent filter that meets OBC specifications, with access risers to grade, receiving sewage from the proposed six (6) bedroom staff residence and discharging by gravity to the leaching bed described below;

Leaching Bed

one (1) raised absorption trench style leaching bed, having a loading area of 740 square metres, consisting of six (6) runs of trenches with 100 millimetre diameter distribution piping installed in a stone layer with minimum stone thickness 50 millimetres above the distribution pipe and minimum stone thickness 150 millimetres below the distribution pipe, each trench with minimum depth 0.6 metres, minimum width 0.5 metres, length 16 metres, spaced 1.6 metres apart, with total combined length 96 metres, located not less than 900 millimetres at all points on the bottom of the absorption trench above the high ground water table or rock, all in accordance with OBC;

**Septic System #4**                      **Q=1,600 L/day**

Septic Tank

one (1) new two-chamber 3,600 Litre capacity septic tank, equipped with an effluent filter that meets OBC specifications, with access risers to grade, receiving sewage from the proposed three (3) bedroom staff residence and discharging by gravity to the leaching bed described below;

Leaching Bed

one (1) raised absorption trench style leaching bed, having a loading area of 528 square metres, consisting of four (4) runs of trenches with 100 millimetre diameter distribution piping installed in a stone layer with minimum stone thickness 50 millimetres above the distribution pipe and minimum stone thickness 150 millimetres below the distribution pipe, each trench with minimum depth 0.6 metres, minimum width 0.5 metres, length 12 metres, spaced 1.6 metres apart, with total combined length 48 metres, located not less than 900 millimetres at all points on the bottom of the absorption trench above the high ground water table or rock, all in accordance with OBC;

**Septic System #5**                      **Q=10,600 L/day**

Grease Interceptor

one (1) three-chamber Brooklin Model 65 Grease Interceptor with flow capacity 30-80 Litres per minute, and liquid capacity 2,900 Litres, receiving sewage from kitchen fixtures of the proposed dining hall and discharging to the 13,650 Litre capacity septic tank described below;

Septic Tanks

one (1) new two-chamber 13,650 Litre capacity septic tank, equipped with an effluent filter that meets OBC specifications, with access risers to grade, receiving sewage from the proposed dining hall and oil/grease separator and discharging to 2,400 Litre capacity dosing chamber described below;

one (1) new two-chamber 3,600 Litre capacity septic tank, equipped with an effluent filter that meets OBC specifications, with access risers to grade, receiving sewage from the maintenance office and discharging to the 1,200 Litre capacity dosing chamber described below;

one (1) new two-chamber 9,000 Litre capacity septic tank, equipped with an effluent filter that meets OBC specifications, with access risers to grade, receiving sewage from the proposed comfort station and discharging to the 4,500 Litre capacity dosing chamber described below;

### Pump Chambers

one (1) 2,400 Litre capacity single compartment dosing chamber, equipped with high level alarm and floats, equipped with two (2) effluent pumps (Myers ME3F) rated at 115 Litres per minute at 7.0 metres total dynamic head, receiving sewage from 13,650 Litre capacity septic tank and discharging via a 50 millimetre forcemain to the 4,500 Litre capacity dosing chamber described below;

one (1) 1,200 Litre capacity single compartment pump chamber, equipped with high level alarm and floats, equipped with one (1) effluent pump (Myers ME3F) rated at 135 Litres per minute at 7.0 metres total dynamic head, receiving sewage from 3,600 Litre capacity septic tank and discharging via a 50 millimetre forcemain to the 4,500 Litre capacity dosing chamber described below;

one (1) 4,500 Litre capacity single compartment pump chamber, equipped with high level alarm and floats, equipped with two (2) effluent pumps (Myers ME40) rated at 225 Litres per minute at 4.4 metres total dynamic head, receiving sewage from 9,000 Litre capacity septic tank and two (2) dosing chambers described above and discharging to leaching bed described below;

### Leaching Bed

one (1) raised absorption trench style leaching bed, having a loading area of 1,467 square metres, consisting of twelve (12) runs of trenches with 100 millimetre diameter distribution piping installed in a stone layer with minimum stone thickness 50 millimetres above the distribution pipe and minimum stone thickness 150 millimetres below the distribution pipe, each trench with minimum depth 0.6 metres, minimum width 0.5 metres, length 26.5 metres, spaced 1.6 metres apart, with total combined length 318 metres, located not less than 900 millimetres at all points on the bottom of the absorption trench above the high ground water table or rock, all in accordance with OBC;

## **EXISTING WORKS**

### **Septic System #1 (Cong 26-78)                      Q=1,600 L/day**

sewage works with a daily sanitary sewage flow of 1,600 Litres per day to service a three (3) bedroom dwelling, and consisting of the following:

#### Septic Tank

one (1) 3,600 Litre capacity septic tank, receiving sewage from the three (3) bedroom cottage and discharging by gravity to the leaching bed described below;

#### Leaching Bed

one (1) leaching bed with four (4) runs of 75 millimetre diameter distribution piping, with total combined length 61 metres;

**Septic System #2 (Cong 23-78)**

**Q=1,600 L/day**

sewage works with a daily sanitary sewage flow of 1,600 Litres per day to service a three (3) bedroom dwelling, and consisting of the following:

**Septic Tank**

one (1) 3,600 Litre capacity septic tank, receiving sewage from the three (3) bedroom cottage and discharging by gravity to the leaching bed described below;

**Leaching Bed**

one (1) leaching bed with four (4) runs of 75 millimetre diameter distribution piping, with total combined length 61 metres;

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

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 document and any schedules attached to it, and the application;
2. "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;
3. "District Manager" means the District Manager of the North Bay District Office;
4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
5. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
6. "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;
7. "Licensed Installer" means a person who is registered under the OBC to construct, install, repair, service, clean or empty on-site sewage systems;
8. "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;

9. "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;
10. "Owner" means Crane Lake Discovery Camp and its successors and assignees;
11. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
12. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
13. "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 to the District Manager;
  - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the *Corporations Information Act* , R.S.O. 1990, c. C39 shall be included in the notification to the District Manager;
2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

#### **4. CONSTRUCTION**

1. 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. Upon construction of the Works, 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. 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

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 employ measurement devices to accurately measure quantity of effluent being discharged to each individual subsurface disposal system, 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 the subsurface disposal system.
9. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the Operation and Maintenance activities required by this Approval.

## 6. REPORTING

1. **One 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), 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.

*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 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.

## **Schedule A**

### **List of Supporting Documentation**

1. Environmental Compliance Approval Application (Municipal and Private Sewage Works) submitted and signed by Ron Weber, President of Crane Lake Discovery Camp, received February 19, 2021 and all supporting documentation and information.
2. Use Permit No. Cong 23-78 issued by the MOE on July 11, 1978 to M.B. Camp Association.
3. Use Permit No. Cong 26-78 issued by the MOE on July 27, 1978 to M.B. Camp Association.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

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

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

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

The Minister of the Environment,  
Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto, Ontario  
M7A 2J3

AND

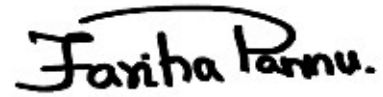
The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.*

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 22nd day of July, 2021



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Fariha Pannu, P.Eng.

Director

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

EG/

c: Area Manager, MECP North Bay Area Office

c: District Manager, MECP Sudbury District Office

Robert Hughes, RHH Engineering