

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 9161-BVBR9S  
Issue Date: October 29, 2021

Ringtail Camp Inc.  
881 Kawartha Dr  
Peterborough, Ontario  
K9J 6L4

Site Location: Ringtail Camp Inc.  
2045 Young's Point Rd  
Township of Selwyn  
County of Peterborough, Ontario

*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:*

sewage Works for the treatment and subsurface disposal of domestic sewage with a daily sanitary sewage design flow of 49,800 litres per day to service the seasonally operated ( May 01 - October 31) Ringtail Camp Inc., with 149 trailer sites and a 2-bedroom cottage and on-site services located at the above Site Location, consisting of following:

**EXISTING WORKS**

**Septic Tank System No.1**

- dual connected septic tank No.1 and No.2, each having a capacity of 9,090 litres and total capacity of 18,180 litres, each equipped duplex Everbilt 6/10 hp demand dose sewage pumps (one stand-by), receiving raw sewage from 50 trailer sites, including comfort station and Laundromat, and discharging effluent via a forcemain to septic tank No.6;

**Septic Tank System No.2**

- one (1) two-compartment septic tank No.3, having a capacity of 22,730 litres, receiving raw sewage from 65 trailer sites, and discharging effluent via gravity to septic tank No.6;

**Septic Tank System No.3**

- dual connected septic tank No.4 and No.5, each having a capacity of 22,730 litres and 3,636 litres, each

receiving raw sewage from 35 trailer sites and the cottage, and discharging effluent to the pump chamber described below;

- one (1) 1,200 litre pump chamber, equipped with duplex Everbilt 6/10 hp demand dose sewage pumps (one stand-by), discharging effluent to septic tank No.6;

### **Effluent Septic Tank and Pump Chamber**

- one (1) two-compartment septic tank No.6, having a capacity of 13,638 litres, equipped with one (1) OBC approved effluent filter, discharging effluent to the pump chamber described below;
- one (1) 900 litre pump chamber, equipped with duplex Everbilt 6/10 hp demand dose sewage pumps (one stand-by), discharging effluent on to the distribution box of the subsurface disposal bed described below;

### **Subsurface Disposal Bed**

- one (1) subsurface disposal bed designed as absorption trench consisting of existing three (3) cell tile bed with total 414 metres of perforated distribution pipe, having a working capacity of 27,600 litres per day;

### **Decommissioning**

- decommissioning of three (3) existing leaching beds located at the west property boundary, southeast portion of the site, and near the on-site comfort station.

## **PROPOSED WORKS**

### **Expanded Subsurface Disposal Bed**

- expansion of the subsurface disposal bed described above, consisting of a new 1 cell tile bed with 11 runs of 30 metre perforated distribution pipe (total length of 333 metres), spaced 1.6 metres or more apart, constructed in a 750 millimetre thick stone layer overlying native soil with percolation time of 3 minutes per centimetre, the bottom of stone layer is 900 millimetres above the high groundwater level, rock or soil with a percolation time of great than 50 minutes, and having a working capacity of 22,200 litres per day; and

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

all in accordance with supporting documentation listed in the **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. "BOD<sub>5</sub>" (also known as TBOD<sub>5</sub>) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
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 are geographically located;
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. "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;
8. "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, as amended;
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;
11. "Owner" means Ringtail Camp Inc. 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. This Approval will cease to apply to those parts of the Proposed 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. B.17* ; and
  - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the "Initial Return" or "Notice of Change" filed under the *Corporations Information Act, R.S.O. 1990, c. C.39* , shall be included in the notification to the District Manager.
2. In the event of any change in ownership of the Works, 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 Proposed Works is supervised by a Licensed Engineering Practitioner.
2. The Owner shall ensure that the Proposed Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
3. Upon construction of the Proposed 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.
4. Upon construction of the Proposed 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. 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 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 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.
4. The Owner shall visually inspect the general area where sewage works are located for break-out once every month during the operating season.
5. 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.
6. 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.
7. 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. MONITORING AND RECORDING**

The Owner shall, upon commencement of operation of the Works, carry out the following monitoring program:

- 1. All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
- 2. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Groundwater Monitoring Table included in **Schedule B**.
- 3. 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.
- 4. The Owner shall ensure that flow of treated effluent discharged into the subsurface sewage system does not exceed 49,800 L/d.
- 5. 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 from time to time by more recently published editions;
  - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; and
  - c. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.
6. 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.

## 7. 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.
3. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
4. The Owner shall prepare and submit a performance report, on an annual basis, within **ninety (90) days** following the end of each operational season to the District Manager. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
  - a. a summary and interpretation of all groundwater monitoring data including: shallow groundwater flow direction, interpretation of analytical results, calculation of Reasonable Use Policy nitrate concentration limit, and comparison with the calculated limit for nitrate concentration in accordance with the Reasonable Use Policy;
  - b. In the event of the groundwater monitoring data shows the nitrate concentration exceeding the calculated limit for nitrates, the Owner shall prepare a contingency plan acceptable to the

District Manager that includes, but is not limited to the following:

- i. To add tertiary treatment to the sewage system to further reduce nitrate concentration prior to entering the leaching beds;
  - ii. To acquire the neighbouring property located north-east of the property; or/and
  - iii. To decommission the northern part of Leaching Bed for the North System and move the leaching beds away the north-eastern property boundary;
- c. a review and assessment of performance of sewage works, including all septic tanks and disposal beds;
  - d. a description of any operating problems encountered and corrective actions taken at all sewage Works located at the property;
  - e. a record of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of all Works located at the property' including but not limited to: records of septic tank effluent filters cleaning, records of septic tank pump-outs, records of visual inspections of all disposal systems;
  - f. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
  - g. a summary and interpretation of all daily flow data and results achieved in not exceeding the maximum daily sewage flow discharged into each one of the subsurface disposal system;
  - h. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
  - i. a summary of all spill or abnormal discharge events;
  - j. any other information the District Manager requires from time to time.

## **8. 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 to require that the Works be properly operated, maintained, and equipped such that the environment is protected.
6. Condition 6 is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
7. Condition 7 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.
8. Condition 8 is included to ensure that any components of un-used Works are properly decommissioned.

### **SCHEDULE 'A'**

1. Application for Environmental Compliance Approval submitted by Greer Galloway Consulting and additional information submitted by Woodland Research Limited on behalf of Ringtail Camp Inc received on Sept 28, 2018 for the proposed expansion of the subsurface bed, including Environmental Study Report, design report, final plans and specifications.

### **SCHEDULE 'B'**

**Table 1- Groundwater Monitoring**

**Sampling Locations:** down-gradient monitoring wells N1, T1, T2, T3 indicated in the design drawing

<b>Parameter</b>	<b>Sample Type</b>	<b>Minimum Frequency</b>
BOD5	Grab Sample	three times per operating season
Total Kjeldahl Nitrogen (TKN)	Grab Sample	three times per operating season
Phosphorus	Grab Sample	three times per operating season
Nitrate Nitrogen	Grab Sample	three times per operating season
Nitrite Nitrogen	Grab Sample	three times per operating season
Total Ammonia Nitrogen (TAN)	Grab Sample	three times per operating season
Chloride	Grab Sample	three times per operating season
Sodium	Grab Sample	three times per operating season

*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

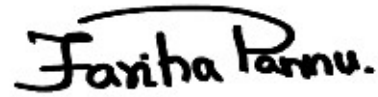
The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* 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 29th day of October, 2021



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Fariha Pannu, P.Eng.

Director

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

NH/

c: District Manager, MECP Peterborough District Office  
Woodland Research Limited