

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 9482-BQVPLK  
Issue Date: October 22, 2020

The Minnicog Company of Jarvises Limited  
616 Avenue Road  
Toronto, Ontario  
M4V 2K8

Site Location: Minnicognashene Island Lot #1, Lot #3 and Lot #7  
Island No. 1320 Cognashene  
Township of Georgian Bay  
District Municipality of Muskoka  
P0E 1E0

*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 establishment, use and operation of the sewage Works for collection, treatment and subsurface disposal of domestic sewage on Minnicognashene Island, and consisting of the following:

**Proposed Works:**

**Septic System on Lot No. 1**

proposed sewage works with a subsurface sewage disposal system rated at a capacity of 2,200 litres per day to service the Cottage located at the above noted site location and consisting of the following:

- **septic tank:** one (1) two-compartment septic tank with a minimum capacity of 5,678 litres, equipped with two (2) access risers to grade with watertight and lockable cover, an OBC approved effluent filter on the outlet pipe, discharging effluent via gravity to the proposed filter bed described below;
- **filter bed:** one (1) proposed raised filter bed consisting of four (4) runs of 75 millimetre diameter perforated distribution pipes, each 8 meter long, evenly spaced at maximum 1 metre centre to centre within a 300 millimetre deep stone layer with an area at surface of 33.3 square metres, installed over a layer of a filter sand minimum 750 millimetre deep, and having an expanded contact area of 95.2 square metres at the base of the filter sand, and complete with a

soil mantle with a percolation time of 6 -10 minutes per centimetre extending 15.5 metres beyond the outer distribution pipe in the direction of flow;

### **Existing Works:**

#### **Septic System on Lot No. 3**

existing sewage works with a subsurface sewage disposal system rated at a capacity of 1,100 L/d to service a proposed Cottage located at the above noted site location and consisting of the following:

- **raw sewage lift station:** a 0.6 m dia x 0.76 m height raw sewage lift station located by the Cottage to be equipped with a vent, alarm system and one (1) raw sewage pump rated at approximately 70 L/min at a TDH of 5.5 m, collecting raw sewage from the Cottage and discharging to a septic tank via a forcemain as described below;
- **septic tank:** one (1) two-compartment septic tank with a capacity of 4,500 L discharging effluent by gravity to a filter bed as described below;
- **filter bed:** an above grade filter bed having a contact area of 26.6 m<sup>2</sup> to be raised by a 1.5 m above an existing grade, consisting of 75 mm dia distribution piping evenly spaced over a surface of 750 mm deep approved filter sand and complete with a 500 m<sup>2</sup> mantle made of an imported soil with a percolation time of 6-10 min/cm, extending a minimum of 15 m beyond the outermost distribution pipes in any direction which effluent will move laterally in the soil away from the filter bed.

#### **Septic System on Lot No. 7**

existing sewage works with a subsurface sewage disposal system rated at a capacity of 2,000 litres per day to service the existing Cottage, with proposed upgrades (as detailed on Gunnell Engineering Ltd. drawing SP-3) located at the above noted site location and consisting of the following:

- **septic tank:** one (1) two-compartment plastic septic tank with a minimum capacity of 4,500 litres, equipped with two (2) new access risers to grade with watertight and lockable covers, a new OBC approved effluent filter on the outlet pipe, discharging effluent via gravity to the existing filter bed described below;
- **filter bed:** one (1) existing raised filter bed consisting of six (6) runs of 75 millimetre diameter perforated distribution pipes, each 5.8 meter long, evenly spaced at maximum 1 metre centre to centre with an area at surface of 34.5 square metres, and complete with a natural soil mantle extending 15.0 metres beyond the outer distribution pipe in the direction of flow;

#### **Septic System on Lot No. 6**

existing sewage works with a subsurface sewage disposal system to service the Cottage located at the above noted site location and consisting of the following:

- **septic tank:** one (1) existing 4,500 L septic tank;
- **filter bed:** existing leaching bed of unknown size,

### **Septic System on Lot No. 14**

existing sewage works with a subsurface sewage disposal system to service the Cottage located at the above noted site location and consisting of the following:

- **septic tank:** one (1) existing 5,600 L septic tank;
- **filter bed:** existing leaching bed of unknown size;

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 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 appropriate local district office of the Ministry where the Works is geographically located;
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 Installer" means a person who is registered under the OBC 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;
9. "Owner" means The Minnicog Company of Jarvies Limited and its successors and assignees;

10. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;
11. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
12. "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 conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Approval.
3. Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
4. Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

### **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 Owner;
  - b. change of address of the 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 installer, as defined in the *Ontario Building Code* or a Professional Engineer, as defined in the *Professional Engineers Act* .
2. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
3. Upon construction of the Works, the Owner shall prepare a statement, certified by a Professional Engineer, 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 Works, as-built drawing(s) showing the works “as constructed” shall be prepared by the Licensed Installer or a Professional Engineer. The drawing(s) shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the Works for the operational life of the Works.

### 5. OPERATIONS, MAINTENANCE, AND RECORDING

1. The Owner shall ensure that at all times, the Works and related equipment and appurtenances which are installed or used to achieve compliance with this Approval are properly operated and maintained.
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(s) 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, 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 sewage area for breakout once every month during the operating season. In the event a breakout is observed from the subsurface disposal bed(s), the Owner shall ensure that the sewage discharge to the bed(s) is discontinued and the incident immediately reported verbally to the District Manager, followed by a written report within seven (7) days. The Owner shall ensure that during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to a surface water body or to the environment, and safely collected and disposed of through a licensed waste hauler to an approved waste disposal site.
5. 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.
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 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 *Environmental Protection Act*, the Owner shall, within ten (10) working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and 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**

1. Previous application and documentation submitted with ECA No. 4890-6QJXV; and
2. Application for Environmental Compliance Approval submitted by Eric Gunnell, P.Eng. Gunnell Engineering Ltd. received on January 23, 2020 for the proposed sewage works, including Environmental Study Report, design report, final plans and specifications.



**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 4890-6QZJXV issued on July 11, 2006.**

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. 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.

*Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.*

*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

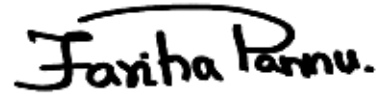
AND

The 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)**

*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 October, 2020

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

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Fariha Pannu, P.Eng.

Director

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

SF/

c: District Manager, MECP Barrie District Office  
Teika Zilans, Gunnell Engineering Ltd.