

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1394-DCQJJ9
Issue Date: February 24, 2025

Miriam Adrienne Terpstra
84483 McNaught Line
Huron East, Ontario
N0G 1H0

Site Location: 84483 McNaught Line
Municipality of Huron East, County of Huron

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:

upgrade of Existing Sewage Works as part of the conversion of an office building to a 13 bedroom lodge, and usage and operation of Existing and Proposed year round domestic sewage subsurface disposal works rated at a Maximum Daily Flow Rate of 13,840 L/day, to service two residences, a banquet hall, and an adjacent manufacturing building (off-site) and a proposed lodge located at 84483 McNaught Line, in the Municipality of Huron East, comprising;

PROPOSED WORKS

Upgrade of the Existing Sewage Works to serve a Proposed 13 Bedroom Lodge (former Office Building) and additionally receive additional sanitary sewage flow, with a total Maximum Daily Flow of 4,300 L/day (Lodge = 3,250 L/day, Manufacturing Facility = 230 L/day and a Proposed Apartment = 825 L/day) from a manufacturing Facility located on the site, comprising;

Septic Tank

Replacement of Existing Septic Tank with one (1) Proposed in-ground 15,000 L capacity watertight two (2)-compartment Septic Tank, located west of the Proposed Lodge, equipped with baffles, inlet and outlet piping, access opening, venting and manhole access openings, equipped with an effluent filter rated for a minimum of 15,000 L/day receiving sanitary sewage from the Proposed 13 Bedroom Lodge (former Office Building), and discharging the effluent by gravity to a proposed Dosing Tank;

Dosing Tank

One (1) inground one compartment 985 L minimum Dosing Tank, located west of the Proposed Lodge, receiving sewage flow from the Proposed Lodge (Maximum Daily Flow Rate of 3.25 m³/day) and a manufacturing Facility (Maximum Daily Flow Rate of 1.05 m³/day) complete with duplex pumps operating on an alternating timer to dose effluent to an Existing and a Proposed Tile Bed, through a 45 mm forcemain installed with a splitter to split the flow to a 45 mm forcemain to discharge the effluent to the Existing Tile Bed at a Maximum Daily Flow Rate of 1,075 L/day, and to a 100 mm forcemain to discharge the effluent to an Existing and Proposed Expansion Tile Bed at a Maximum Daily Flow Rate of 3,225 L/day; the dosing pump with a rated capacity of 1.1 L/s at a TDH of 6.0 m and the dosing chamber is complete with liquid level float control system with alarms, valves and piping, access hatchway, gravity venting, benching, and discharge piping;

Existing Tile Bed receiving partial sewage from from the Proposed Lodge (Q= 1500 L/day)

one (1) Existing fully-raised absorption trench Tile Bed No. 1, receiving a Maximum Daily Flow Rate of 1,075 L/day, having a total of 61 m distribution pipes, embedded in stone absorption trenches, spaced at 1.6 m each, installed in imported sand with a percolation rate (T-time) of 10 min/cm, complete with a 15.2 m long mantle, and having a total loading area of 219.2 m²;

Proposed Expansion Tile Bed receiving partial sewage from from the Proposed Lodge (Q=3,225 L/day)

one (1) Existing fully-raised absorption trench Tile Bed No. 2 having a combined total loading area of 242.9 m², designed for a Maximum Daily Flow Rate of 3,225 L/day, having a total of 60.6 m distribution pipes in the Existing Bed and a total of 101 m distribution pipes in the Proposed Expansion Bed; the Existing Bed containing six (6) runs of 10.1 m long 75 mm diameter perforated PVC distribution pipes complete with a 15.2 m long mantle, and the Proposed Expansion Bed containing ten (10) runs of 10.1 m long 75 mm diameter perforated PVC distribution pipes complete with a 15.2 m long mantle; the distribution pipes are embedded in stone absorption trenches, spaced at 1.6 m each, installed in imported sand with a percolation rate (T-time) of 40 min/cm, the 15.2 m long mantle, and having a total loading area of 647.7 m²;

EXISTING WORKS

Owner's House Sewage Works

one (1) Existing leaching bed located north of the Owner's house, serving the existing Owner's house designed for a Maximum Daily Flow Rate of 1,900 L/day, having a total bed area of 320.5 m², having 15.2 m long distribution pipes runs of 75 mm diameter perforated distribution pipes, constructed a the leaching bed with a area of 139.4 m² (15.2 m x 9.1 m), including an approximately 900 mm thick mantle (19.8 m x 9.1 m) on the down gradient side of the leaching bed;

Tenant's House Sewage Works

one (1) Existing leaching bed located north of the Tenant's house, serving the existing Tenant's house designed for a Maximum Daily Flow Rate of 2,600 L/day, having a total bed area of 334.5 m^2 , having 5 x 21.3 m long distribution pipes runs, constructed a the leaching bed with a area of 195.1 m^2 (21.3 m x 9.1 m), including a mantle (15.2 m x 9.1 m) on the down gradient side of the leaching bed;

Banquet Hall Sewage Works

one (1) Existing leaching bed located West of the Banquet Hall, serving the existing Banquet Hall designed for a Maximum Daily Flow Rate of 5,040 L/day, comprising;

Septic Tank

One Existing Septic Tank with one (1) in-ground 18,180 L capacity watertight two (2)-compartment Septic Tank, located west of the Banquet Hall, equipped with baffles, inlet and outlet piping, access opening, venting and manhole access openings, equipped with an effluent filter rated for a minimum of 5,040 L/day receiving sanitary sewage from the Existing Banquet Hall, and discharging the effluent by gravity to a Dosing Tank;

Dosing Tank

One (1) inground one compartment 4,500 L Dosing Tank, located west of Banquet Hall, receiving sewage flow from the Septic Tank described above, designed for a Maximum Daily Flow Rate of $5.04 \text{ m}^3/\text{day}$ complete with duplex pumps to dose effluent to an Existing sewage disposal bed, through a 50 mm forcemain at a Maximum Daily Flow Rate of 5,040 L/day, the dosing pump having a rated capacity of 1.4 L/s at a TDH of 6.0 m and the dosing chamber is complete with timer controls, liquid level float control system with alarms, valves and piping, access hatchway, gravity venting, benching, and discharge piping;

Existing Banquet Hall Leaching Bed (Q= 5,040 L/day)

one (1) Existing fully-raised absorption trench Leaching Bed having a combined total loading area of 672 m^2 , designed for a Maximum Daily Flow Rate of 5,040 L/day, having a total of 180 m distribution pipes containing six (6) runs of 30 m long 75 mm diameter perforated PVC distribution pipes complete with a 15 m long mantle; the distribution pipes are embedded in stone absorption trenches raised approximately 0.9 m above the native grade from bottom of the trenches, spaced at 1.6 m each, installed in imported sand with a percolation rate (T-time) of 5 min/cm, the mantle is 15 m x 14 m (210 m^2) and the total area of the leaching bed including mantle is 672 m^2 ;

and 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 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 appropriate local district office of the Ministry where the Works is 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. "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. "Licensed Installer" means a person who is registered under the OBC to construct, install, repair, service, clean or empty on-site sewage systems;
9. "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;
10. "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;
11. "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;
12. "Owner" means Miriam Adrienne Terpstra, and their successors and assignees;
13. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;
14. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
15. "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 Works which have not been constructed within **five (5) years** of the date of this Approval.
2. In the event that completion and commissioning of any portion of the Works is anticipated to be more than five (5) years, the Owner shall submit an application for extension at least **twelve (12) months** prior to the end of the five (5) years from the day of issuance of this Approval. The application shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

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 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. Within **six (6) months** of the Works being Commissioned, 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. 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 tanks are 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 Banquet Hall 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 ensure that the flow of treated effluent discharged into each of the subsurface disposal bed does not exceed their respective design Maximum Daily flow capacity.

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 (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.

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.

Schedule A

1. Application for Environmental Compliance Approval dated July 8, 2024 and received on July 15, 2024.

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

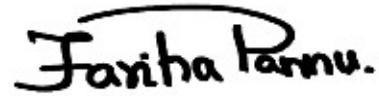
The Director appointed for the purposes of
Part II.1 of the *Environmental Protection Act*
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 24th day of February, 2025



Fariha Pannu, P.Eng.

Director

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

KH/

c: District Manager, MECP Owen Sound District.

Andrew Garland, P. Eng., B.M. Ross and Associates Limited