

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0388-DA9MZM

Issue Date: December 5, 2024

Greencity Limited
9748 County Road 42
Rideau Lakes, ON K0G 1X0

Site Location: 9748 County Road 42
Township of Rideau Lakes, United Counties of Leeds and
Grenville, K0G 1X0

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, usage and operation of subsurface sewage disposal Works for the treatment of domestic sewage and subsurface disposal of treated sewage effluent, to service existing facilities at the above site location, including six (6) 3-bedroom dwellings and one (1) 5-bedroom dwelling, rated at a maximum design capacity of **12,100 litres per day**, consisting of the following:

PROPOSED WORKS**Sewage Treatment and Subsurface Disposal System****Q = 8,900 litres per day**

one (1) proposed subsurface sewage disposal system designed and operated at a Maximum Daily Flow of 8,900 litres per day to service the four (4) 3-bedroom dwellings and one (1) 5-bedroom dwelling, consisting of the following:

- one (1) 13,625 litre capacity concrete Septic Tank ST3 located to the northeast of Cabin #5, equipped with an access riser, a baffle, and an OBC approved effluent filter, receiving raw sewage from Cabins #3, #4, #5, #6, and discharging via a gravity line to the proposed pump chamber PC2 as described below;
- one (1) 6,000 litre capacity concrete Septic Tank ST4 located to the northwest of the 5-bedroom dwelling, equipped with an access riser, a baffle, and, an OBC approved effluent filter, receiving raw sewage from the 5-bedroom dwelling, and discharging via a gravity line to the proposed pump chamber PC3 as described below;

- one (1) 900 litre minimum capacity Pump Chamber PC2 located immediately northwest of Septic Tank ST3 described above, equipped with an access riser and a high level alarm, discharging septic tank effluent from Septic Tank ST3 via a dose effluent pump and 50 mm diameter forcemain to the proposed Pump Chamber PC3 as described below;
- one (1) 4,800 litre minimum capacity Pump Chamber PC3 located immediately north of Septic Tank ST4 described above, equipped with an access riser, a high level alarm, and one (1) dose effluent pump, discharging effluent from Septic Tank ST3 and Pump Chamber PC2 to the proposed absorption trench leaching bed as described below;
- one (1) absorption trench leaching bed located to the northwest of the 5-bedroom dwelling and approximately 65 metres southwest of Upper Rideau Lake, consisting of four (4) cells of identical size, receiving a Maximum Daily Flow of 8,900 litres per day from Pump Chamber PC3 as described above, consisting of sixteen (16) runs of Infiltrator Quick4 Equalizer 36 chambers or Equivalent Equipment, each with 23.18 metre long 76 millimetre diameter perforated pipe (for a total distribution pipe length of 370 metres for the entire bed), spaced at minimum 1.60 metres from centre to centre, underlain by a minimum 0.9 metre thick specialized leaching sand layer with a design percolation time of 12 minutes per centimetre, complete with 1,134 square metre (42 metre by 27 metre), 250 millimetre thick loading area extending a minimum of 15 metres beyond the outer distribution pipes in the direction in which the effluent entering the soil or leaching bed fill will move horizontally, and backfilled with minimum 200 millimetre thick specialized leaching sand and then 100 millimetre thick topsoil cover and sod;

EXISTING WORKS

Sewage Treatment and Subsurface Disposal System

$Q = 3,200$ litres per day

- Two (2) existing Class 4 subsurface sewage disposal systems to be replaced by the Proposed Works above and decommissioned in accordance with Condition 7;
- One (1) existing subsurface disposal system designed and operated at a Maximum Daily Flow of 3,200 litres per day to service two (2) 3-bedroom dwellings, consisting of the following:
 - One (1) 3,600 litre capacity concrete septic tank ST1 located to the southwest of Cabin #1 equipped with an access riser, baffle, and an OBC approved effluent filter, receiving raw sewage from Cabin #1, and discharging via a gravity line to an existing pump chamber PC1 as described below;
 - One (1) 3,600 litre capacity concrete septic tank ST2 located to the southwest of Cabin #2 equipped with an access riser, baffle, and an OBC approved effluent filter, receiving raw sewage from Cabin #2, and discharging via a gravity line to an existing pump chamber PC1 as described below;
 - One (1) 370 litre concrete pump chamber PC1 located directly adjacent to ST1 equipped with an access riser and a high level alarm, discharging septic tank effluent from Septic Tank ST1 & ST2 via a forcemain to an existing in-ground filter bed as described below;
 - One (1) in-ground filter bed located to the west of Cabin #2, consisting of a stone layer and a sand layer, having an effective area of approximately 27 square metres (7.5 metres by 3.6 metres) and a

total expanded contact area of approximately 126 square metres (14 metres by 9 metres), complete with three (3) runs of 6.5 metres long distribution pipes installed in the stone layer, evenly spaced at 1.2 metre centre to centre, receiving effluent from the existing pump chamber PC1 described above.

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 the submitted 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 Kingston District Office;
5. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19, as amended;
6. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;
7. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
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;
9. "Licensed Installer" means a person who is registered under the OBC to construct, install, repair, service, clean or empty on-site sewage systems;
10. "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;
11. "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;
12. "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;

13. "Owner" means Greency Limited and its successors and assignees;
14. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;
15. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
16. "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 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 filters are 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 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. 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.

7. DECOMMISSIONING OF UN-USED WORKS

1. The Owner shall properly abandon any portion of unused Existing 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 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 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.
7. Condition 7 is included to ensure that any components of un-used Works are properly decommissioned.

Schedule A

1. Environmental Compliance Approval Application for Municipal and Private Sewage Works submitted by Greencity Limited, dated December 13, 2023 and received on January 29, 2024, including the design report, final plans, specifications and all other 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

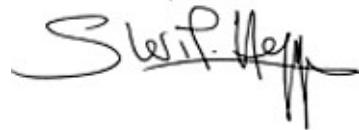
The Director appointed for the purposes of
Part II.1 of the *Environmental Protection Act*
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

* **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 5th day of December, 2024



Sherif Hegazy, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

SH/

c: District Manager, MECP Kingston - District
Martin Burger, Groundwork Engineering Limited