

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8109-CS5JGU

Issue Date: July 6, 2023

Proplant Propagation Services Ltd.
2401 Highway 6, Jarvis,
Ontario, N0A 1J0

Site Location: 1946 Concession 6 Woodhouse Road
Haldimand County,
Ontario, N0A 1J0

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 of Works for the treatment of sanitary sewage and subsurface disposal of treated effluent to service existing and expansion of the Bunkhouse Complex with a design sewage flow of approximately 24,000 litres per day, consisting of the following:

1. Stage 1 (servicing of existing Bunkhouses 1 and 2; estimated flow 12,000 L/day):

Septic Tank: One (1) existing and one (1) new, two compartment septic tanks connected in series, with respective effective volumes of 20,000 Litres and 6,000 litres, complete with access risers, one effluent filter in the second tank, to discharge effluent by gravity into a pump tank as described below:

Effluent Pumping Tank: One (1) proposed precast concrete 6,000 Litre capacity tank equipped with two (2) submersible duplex sewage effluent pumps, rated at 1/2 hp, 40 gpm at 20 feet TDH to operate on demand at 1200 litres per cycle via a 50 mm diameter forcemain into a polylock distribution box to discharge into an existing bed as follows:

Existing Eljen GSF Assembly - Eljen GSF A-42 module for Q = 6000L/day: the Eljen GSF assembly is to treat and discharge to the subsurface half of the effluent from the existing Bunkhouses 1 and 2 with capacity reduced from the originally designed 10,000 L/day to 6,000 L/day. The Eljen GSF A42 absorption bed located on the east side of the bunk houses 1 and 2, is consisting of 108 modules 132 m long pipes, in 12 rows of 11 m long; complete with plastic core wrapped in geotextile fabric on a System Sand bed 330 mm deep on an area of 2,100 square metres of 800 mm thick imported septic sand (with T value 6-10 minutes/cm); to work in conjunction with a raised bed as follows:

Leaching Bed for Q = 6000L/day: A raised conventional absorption trench leaching bed, located on the west

side of the proposed and future bunk houses, comprised of 2 cells, each with 9 runs of 19.5 metres long 75 mm diameter perforated pipes, 351 m long, laid at 1.6 metre on centre, embedded in 300 mm deep washed stone trenches, covered with non-woven geotextile, underlain with 900 mm deep, T= 4-8 min/cm. sand fill on an area of 2,696 square meters and topped with 150 mm deep sand media and local topsoil, finished sodded and seeded;

2. Stage 2 (additional servicing of proposed Bunkhouse 3 estimated flow 6,000 L/day):

Grease Interceptor Tank: sewage from the Bunkhouse 3 kitchen gravity feeds via a 100 mm diameter pipe into a three-compartment 3,600 Litre capacity tank and effluent to discharge by gravity to a septic tank as described below:

Septic Tank: one (1) two compartment septic tank with effective volume of 12,000 L, complete with access risers and one effluent filter to discharge effluent by gravity into a pump tank as described below:

Effluent Pumping Tank: One (1) new precast reinforced concrete 6,000 Litre capacity tank equipped with two (2) submersible duplex sewage effluent pumps, rated at 1/2 hp, 40 gpm at 20 feet TDH to operate on demand at 1200 litres per cycle via a 50 mm diameter forcemain into a polylock distribution box to discharge into an absorption bed of Stage 2 (phase 2 extension) as follows:

Absorption Bed (phase 2 extension for Q = 6000L/day): A raised conventional absorption trench bed, located on the west side of the proposed and future bunk houses, comprised of 2 cells, each with 9 runs of 19.5 metres long 75 mm diameter perforated pipes, 351 m long (total 702 m), laid at 1.6 metre on centre, covered with non-woven geotextile, in 900 mm deep sand with T= 4-8 min/cm, in a sand fill area of 1084 square metre (within a total area of 3780 m²); and topped with local topsoil, finished sodded and seeded;

3. Stage 3 (additional servicing of potential future Bunkhouse 4 estimated flow 6,000 L/day):

Grease Interceptor Tank: sewage from the Bunkhouse 4 kitchen, gravity feeds via a 100 mm diameter pipe into a three-compartment 3,600 Litre capacity tank, and effluent to discharge by gravity to a septic tank as described below:

Septic Tank: one (1) two compartment septic tank with effective volume of 12,000 L, complete with access risers and one effluent filter to discharge effluent by gravity into the pump tank of Stage 2 as described earlier:

Absorption Bed (phase 3 extension for Q = 6000L/day): An additional raised conventional absorption trench bed, comprised of 2 cells, located on the west side of the proposed and future bunk houses, each with 9 runs of 19.5 metres long 75 mm diameter perforated pipes, 351 m long (total 1053 m), laid at 1.6 metre on centre, covered with non-woven geotextile, in 900 mm deep sand with T= 4-8 min/cm, in a sand fill area of 1,386 square metre (within a total area of 5166 m²); and topped with local topsoil, finished sodded and seeded;

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 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 Hamilton District office.
5. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19, as amended;
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. "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, Ontario Regulation 332/12 (Building Code) as amended to January 1, 2015, made under the *Building Code Act*, 1992 , S.O. 1992, c. 23;
9. "Owner" means Proplant Propagation Services Ltd. and its successors and assignees;
10. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;
11. "Works" means the approved sewage works, and includes new and existing treatment elements as described.

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;
 - 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 Engineering Practitioner or Licensed Installer.
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. Within **six (6) months** of the Works being Commissioned, 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. 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 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, upon the construction, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the proprietary subsurface effluent disposal process/technology of Eljen System or its authorized agent. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
4. 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.
5. 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.
6. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.
7. 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.
8. 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.
 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 submitted by David Morlock, of FlowSpec Engineering Ltd dated March 28, 2023 and received on April 14, 2023, for the proposed sewage works, including the Design Brief, final plans and specifications.

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

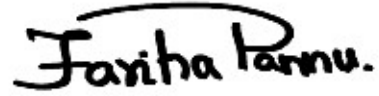
The Director appointed for the purposes of
Part II.1 of the *Environmental Protection Act*
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 6th day of July, 2023

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

Fariha Pannu, P.Eng.

Director

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

MN/

c: District Manager, MECP Hamilton - District
David Morlock, FlowSpec Engineering Ltd