

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2152-CQKRED
Issue Date: June 19, 2023

Swiss Ridge Kennels Inc.
16195 12th Concession Road,
Township of King,
Ontario, L0G 1T0.

Site Location: Swiss Ridge Kennels
16195 12th Concession Road
Township of King,
Regional Municipality of York
Ontario, L0G 1T0.

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 from Swiss Ridge Kennels Inc. and the residences at the above site location, with a Maximum Daily Flow total of 14,175 litres per day, consisting of the following:

1. Existing Sewage System No. 4 (Servicing the Main Residence, Q = 2,050 L/day):

- Septic Tank: a two compartment 4,500 Litre septic tank, equipped with a baffle and an effluent filter to discharge by gravity into:
- Tile Bed: a raised tile bed consists of 8 runs x 12.8 metres of Infiltrator chambers on a bed area is approximately 17.1 x 30 metres (total 513 square metres), laid at a depth of 600 millimetres below existing grade, and underlain by imported sand of 300 millimetres depth and all areas are filled with 150 millimetres deep top soil and sod;

2. Existing Sewage System No. 5 (Servicing Kennel facilities, Q = 5,475 litres/day):

- Overall System: consisting of two (2) 9,000 Litres capacity pre-treatment tanks, connected in series, a WSB Clean-Pro treatment system tank (a proprietary aerobic fluidized floating bed biofilm technology, rated at 5,475 L/day) and a 6,000 Litres capacity effluent pump tank to discharge into a partially raised Type 'A' Dispersal Bed on a stone area of 180 m² within an over all contact area of approximately 754 m² (29 m x 26

m).

3. Proposed Sewage System No. 1 (To Service Horse-Riding Stable, Q = 1600 Litres/day):

- Septic Tank: Sewage gravity feeds from the washroom facility serving the Horse-Riding Stable, via a 4 inches diameter pipe, to a new two compartment 6,135 Litres capacity septic tank c/w a Polylok PL-122 effluent filter and two (2) Tuf-Tite access risers for filter maintenance and sewage pump-outs; to discharge by gravity to a pump station as follows:
- Pump Station: a 2,700 Litre capacity single compartment effluent pump tank c/w two (2) 600 millimetres dia. Tuf-Tite access risers and an effluent pump, rated at 4/10 HP, 32 GPM @ 12 feet TDH with a 38 millimetres diameter forcemain, programmed for timed dosing at 133 Litres every 2 hours; total 12 doses = 1,600 L/day into a filter bed as described below:
- Filter Bed: a new filter bed having an area of 336 m² (14 m X 24 m) with four (4) runs of perforated 75 millimetres diameter PVC distribution piping, each 8.0 metres long, installed @ 1.0 m o/c, all covered with a permeable geotextile fabric under 200 millimetres to 300 millimetres deep topsoil and sod.

4. Replacement Sewage System No. 2 (To Service 2nd 5-bedroom Residence, Q = 4,300 Litres/day):

- Septic Tank: sewage from the residence gravity feeds via a 100 mm diameter pipe into a new two-compartment 9,000 Litre capacity tank, c/w a Polylok PL-122 effluent filter and two (2) Tuf-Tite access risers (600 millimetres diameter) for filter maintenance; and effluent to discharge by gravity to a pump tank as described below:
- Pump Tank: a new 4,500 Litres (1,000 gal.) single compartment tank, c/w two (2) 600 millimetres diameter Tuf-Tite access risers and a submersible sewage effluent pump, rated at 6/10 HP, 30.9 GPM @ 16.5 m TDH via a 50 millimetres diameter forcemain into the filter bed as follows:
- Filter Bed: a new Filter Bed on a contact area of 276.0 m² (23.0 m x 12.0 m) constructed on native soil with a percolation rate of 50 min/cm located within a loading area of 736.0 m² (23.0 m wide x 32 m long); complete with two (2) septic area beds, each with seven (7) runs of perforated 75 millimetres diameter PVC distribution piping, each 6.0 metres long (total 84.0 m) and installed @ 1.0 m o/c, in a 300 millimetres deep stone layer covered with a permeable geotextile fabric and finish graded with 200 millimetres to 400 millimetres of topsoil and sod.

5. Sewage System No. 3 (To Service New Horse Riding Stable, Q = 750 L/day):

In addition to the Sewage System No. 1, the graywater produced by the horse washing stalls will be treated using a conventional Class II Greywater Pit System. Q = 750 L/day as described below:

- Septic Tank: a 3,600 Litres two compartment septic tank, c/w a Simtech STF-110 bristle filter and two (2) 600 millimetres diameter Tuf-Tite access risers for filter maintenance and greywater pump outs; to discharge by gravity via a 100 millimetres diameter pipe, to a 2-outlet Polylok distribution box, complete with two (2)

100 millimetres diameter flush mount clean-outs at each bend in the gravity discharge pipe directed to:

- Absorption Trench Pit: two (2) trenches (greywater pits), each 15.0 metres long x 4.5 metres wide x 1.9 metres deep, filled with 19 millimetre size clear / washed stone 1.3 metres deep, c/w 600 millimetres layer of imported filter medium below the stones complete with 75 millimetres diameter perforated distribution pipe; all wrapped in Geotextile fabric;

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 the York Durham *District office* ;
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. "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;
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, Ontario Regulation 332/12 (Building Code) as amended to January 1, 2015, made under the *Building Code Act*, 1992 , S.O. 1992, c. 23;
11. "Owner" means Swiss Ridge Kennels Inc. and its successors and assignees;
12. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;

13. "Works" means the approved sewage works, and includes new 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. 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.
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 any 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 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.
3. The Owner shall sign a Service and Maintenance Agreement with the manufacturer or approved agent of the WSB treatment system. The maintenance agreement must be retained at the site for as long as the Works are in operation, kept current and made available for inspection by the Ministry staff.
4. The Owner shall receive from the manufacturer or distributor of WSB system, printed literature that describes the unit in detail and provides complete instructions regarding the operation, servicing, and maintenance requirements of the unit and its related components necessary to

ensure the continued proper operation in accordance with the original design and specifications.

5. The Owner shall ensure that the treatment system is at minimum inspected annually by the WSB authorized personnel, and maintained according to the manufacturer's recommendations including minimal yearly effluent sampling for CBOD₅ and Total Suspended Solids to ensure that it meets design objectives of 10 mg/l for both CBOD₅ and Total Suspended Solids in a grab effluent sample before discharge to the subsurface disposal bed;
6. The Owner shall ensure that the septic tanks are 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).
7. 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.
8. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.
8. 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.
9. 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.
10. 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

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 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.
7. Condition 7 is included to ensure that any components of un-used Works are properly decommissioned.

Schedule A

1. Application for Environmental Compliance Approval submitted by Eric Gunnell, P.Eng. of Gunnell Engineering Ltd. dated February 7, 2023 and received on February 8, 2023, for the Works Approval, including Design Report, 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

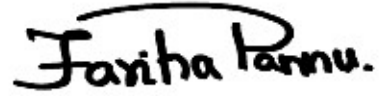
The Director appointed for the purposes of
Part II.1 of the *Environmental Protection Act*
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 19th day of June, 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 York-Durham
Eric Gunnell, P.Eng., Gunnell Engineering Ltd.