

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7990-C5RMZ4
Issue Date: September 29, 2021

Pickereel Bay Lodge Inc.
366 Pickereel Bay Road
Lanark Highlands, Ontario
K0A 3L0

Site Location: Pickereel Bay Lodge
366 Pickereel Bay Road, White Lake
Part of Lot 23, Concession 10
Township of Lanark Highlands, County of Lanark
K0A 3L0

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:

sewage Works for the treatment and subsurface disposal of domestic sewage, rated at a total maximum design capacity of 60,891 Litres per day (L/day), servicing the existing seasonal Pickereel Bay Lodge consisting of twenty five (25) proposed recreational vehicle (RV) trailer sites, thirty (30) existing recreational vehicle (RV) trailer sites, eleven (11) existing cottages, an existing comfort station, two (2) permanent dwellings, an existing main office and an existing small washroom (shower/washroom facility), located in the Township of Lanark Highlands, consisting of the following:

PROPOSED WORKS

the establishment of sewage works for the treatment and subsurface disposal of domestic sewage, rated at a maximum design capacity of 5,625 L/day, servicing twenty five (25) proposed recreational vehicle (RV) trailer sites, located at the north-western corner of the site, more than 30 m from White Lake and the on-site wetland, consisting of the following:

- one (1) two-compartment precast concrete septic tank receiving raw sewage from twenty five (25) proposed recreational vehicle (RV) trailer sites, having a minimum working capacity of 13,650 L, complete with two (2) access risers and one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging via a 100 mm diameter gravity sanitary sewer to a balancing tank/pump chamber;

- one (1) one-compartment precast concrete balancing tank/pump chamber, receiving effluent from the 13,650 L septic tank, having a minimum working capacity of 22,750 L, complete with one (1) access hatch and one (1) vented access hatch, housing two (2) submersible effluent pumps, complete with liquid level float switches, including a high liquid level audible and visual alarm system, discharging via one (1) 38 mm diameter forcemain delivering 30 L doses on a timed regime to two (2) Ecoflo Biofilter Model STB-730PR treatment units;
- two (2) Ecoflo Biofilter Model STB-730PR treatment units, installed in parallel, receiving effluent from the 22,750 L balancing tank/pump chamber, each treatment unit consisting of a STB-730P Ecoflo Rotomoule chamber module with an internal pump chamber and having a minimum treatment capacity of 2,810 L/day, each treatment unit complete with a watertight bottom, a non-mechanical tipping bucket mechanism and perforated distribution plates to evenly distribute effluent over the surface of a patented coconut husk fragments or a combination of coco and peat moss filter medium, the internal pump chamber housing two (2) submersible effluent pumps, each pump capable of handling 30 L/min at a total dynamic head (TDH) of 30 m, complete with two (2) floats, including a high liquid level audible and visual alarm system, discharging via one (1) 50 mm diameter forcemain to a pressurized shallow buried trench disposal system;
- one (1) pressurized shallow buried trench disposal system receiving effluent from two (2) Ecoflo Biofilter Model STB-730PR treatment units, having a designed capacity of 5,625 L/day, a total length of distribution piping of 80 m and a minimum pressure head of 600 mm when measured to the most distant point from the pump and installed so that the bottom of the absorption trench is not less than 900 mm at all points above the high groundwater table, rock or soil with a percolation time more than 50 min/cm, consisting of four (4) runs of 20 m long parallel trenches with centre line spacing of 2 m, each trench containing a 32 mm diameter pressurized perforated distribution pipe installed inside of 300 mm high and 400 mm wide Quick 4 Equalizer 24 Low Profile diffuser chambers constructed within a minimum 600 mm deep layer of top soil and approved native backfill on top of a minimum 900 mm deep layer of imported fill, all in accordance with the OBC requirements;
- all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage works;

EXISTING WORKS

System No. 1

the existing sewage works serving the existing approximately 100 m² main office located near the front of the campground, having a daily design sanitary sewage flow of 1,600 L/d, consisting of the following:

- the existing two-compartment septic tank, having a working capacity of 2,530 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent to the existing pump tank;
- the existing pump tank, housing one (1) submersible pump, discharging via a forcemain to the existing partially raised absorption trench leaching bed;
- the existing partially raised absorption trench leaching bed having a designed capacity of 1,600 L/day,

consisting of four (4) runs of 17 m long absorption trenches for a total length of 68 m of 75 mm diameter perforated distribution pipe installed in clear stone trenches within native soil having a percolation time of 8 min/cm to 9 min/cm;

System No. 2A

the existing sewage works serving the existing permanent four-bedroom dwelling, having a daily design sanitary sewage flow of 1,506 L/d, consisting of the following:

- the existing two-compartment septic tank, having a working capacity of 4,500 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing partially raised absorption trench leaching bed;
- the existing partially raised absorption trench leaching bed having a designed capacity of 1,506 L/day, consisting of four (4) runs of 16 m long absorption trenches for a total length of 64 m of 75 mm diameter perforated distribution pipe installed in clear stone trenches within native soil having a percolation time of 8 min/cm to 9 min/cm;

System No. 2B

the existing sewage works serving the existing comfort station for 50 people, having a daily design sanitary sewage flow of 2,353 L/d, consisting of the following:

- the existing two-compartment septic tank, having a working capacity of 4,850 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing partially raised absorption trench leaching bed;
- the existing partially raised absorption trench leaching bed having a designed capacity of 2,353 L/day, consisting of ten (10) runs of 10 m long absorption trenches for a total length of 100 m of 75 mm diameter perforated distribution pipe installed in clear stone trenches within native soil having a percolation time of 8 min/cm to 9 min/cm;

System No. 3

the existing sewage works serving the existing two-bedroom dwelling, having a daily design sanitary sewage flow of 1,100 L/d, previously approved by the Leeds, Grenville and Lanark District Health Unit Permit # 54465 issued July 15, 2008, consisting of the following:

- the existing two-compartment septic tank, having a working capacity of 3,600 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing raised filter media bed;
- the existing raised filter media bed, having a top stone layer area of approximately 20 m², a filter medium layer base area of approximately 20 m² and distribution piping spaced evenly over the surface of the filter medium, installed within the stone layer overlaying the filter medium layer;

System No. 4

the existing sewage works serving one (1) - one-bedroom cottage, five (5) - two-bedroom cottages and one (1) -

three bedroom cottage (Cottages 1, 2, 3, 4, 5, 5A and 6), having a total daily design sanitary sewage flow of 4,047 L/d, consisting of the following:

- the existing two-compartment septic tank No. 1, having a working capacity of 4,625 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing septic tank No. 2;
- the existing two-compartment septic tank No. 2, having a working capacity of 4,850 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing septic tank No. 3;
- the existing two-compartment septic tank No. 3, having a working capacity of 3,170 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent via the existing pump tank to the existing septic tank No. 4;
- the existing pump tank, housing one (1) submersible pump, discharging via a forcemain to the existing septic tank No. 4;
- the existing two-compartment septic tank No. 4, having a working capacity of 3,370 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent via the existing pump tank to existing partially raised absorption trench leaching bed;
- the existing pump tank, housing one (1) submersible pump, discharging via a forcemain to the existing partially raised absorption trench leaching bed;
- the existing partially raised absorption trench leaching bed having a designed capacity of 4,047 L/day, consisting of ten (10) runs of 17.2 m long absorption trenches for a total length of 172 m of 75 mm diameter perforated distribution pipe installed in clear stone trenches within native soil having a percolation time of 8 min/cm to 9 min/cm;

System No. 5

the existing sewage works serving the existing two-bedroom cottage (known as "Upenough"), having a daily design sanitary sewage flow of 1,522 L/d, consisting of the following:

- the existing two-compartment septic tank, having a working capacity of 3,600 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing partially raised absorption trench leaching bed;
- the existing partially raised absorption trench leaching bed having a designed capacity of 1,522 L/day, consisting of four (4) runs of 11.6 m long absorption trenches and three (3) runs of 6.1 m long absorption trenches for a total length of 64.4 m of 75 mm diameter perforated distribution pipe installed in clear stone trenches within native soil having a percolation time of 8 min/cm to 9 min/cm;

System No. 6

the existing sewage works serving the existing four-bedroom cottage (Cottage 8), having a daily design sanitary sewage flow of 1,148 L/d, consisting of the following:

- the existing two-compartment septic tank, having a working capacity of 2,830 L, complete with one (1) effluent filter (OBC approved) installed on the outlet pipe, discharging the effluent by gravity to the existing partially raised absorption trench leaching bed;
- the existing partially raised absorption trench leaching bed having a designed capacity of 1,148 L/day, consisting of four (4) runs of 12.2 m long absorption trenches for a total length of 48.8 m of 75 mm diameter perforated distribution pipe installed in clear stone trenches within native soil having a percolation time of 8 min/cm to 9 min/cm;

Holding Tank No. 1A

- one (1) existing one-compartment holding tank having a working capacity of 3,300 L, collecting sanitary sewage from a small washroom (shower/washroom facility) serving up to 30 people, complete with an audible and visual high level alarm system, the holding tank pumped out on an as required basis;

Holding Tank No. 1B

- one (1) existing one-compartment holding tank having a working capacity of 7,200 L, collecting sanitary sewage from a small washroom (shower/washroom facility) serving up to 30 people, complete with an audible and visual high level alarm system, the holding tank pumped out on an as required basis;

Holding Tank No. 2

- one (1) existing one-compartment holding tank having a working capacity of 13,950 L, collecting sanitary sewage from thirty (30) recreational vehicle (RV) trailer sites, complete with an audible and visual high level alarm system, the holding tank pumped out on an as required basis;

Holding Tank No. 3

- one (1) existing one-compartment holding tank having a working capacity of 8,800 L, collecting sanitary sewage from a four-bedroom cottage (Cottage 7), complete with an audible and visual high level alarm system, the holding tank pumped out on an as required basis;

Holding Tank No. 4

- one (1) existing one-compartment holding tank having a working capacity of 8,740 L, collecting sanitary sewage from a two-bedroom cottage (Cottage 10), complete with an audible and visual high level alarm system, the holding tank pumped out on an as required basis;

all in accordance with the supporting documents listed in Schedule "A".

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire Approval document and any Schedules to it, including the application

and Supporting Documentation;

2. "BOD₅" (also known as TBOD₅) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
3. "CBOD₅" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
4. "Director" means a person appointed by the Minister pursuant to Section 5 of the EPA for the purposes of Part II.I of the EPA;
5. "Grab Sample" means an individual sample of at least 1000 millilitres collected in an appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;
6. "District Manager" means the District Manager of the Ottawa District Office;
7. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
8. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
9. "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;
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. "Ontario Drinking Water Quality Standards" means Ontario Regulation 169/03 (Ontario Drinking Water Quality Standards) made under the *Safe Drinking Water Act*, 2002, as amended;
13. "Owner" means Pickerel Bay Lodge Inc. 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. "Supporting Documentation" means the documents listed in Schedule A of this Approval;
17. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval, 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.

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (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 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 Informations 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 Proposed 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 Ontario Building Code are satisfied.
3. The Owner shall ensure that the Ecoflo Biofilter treatment units and the pressurized shallow buried trench disposal system are installed in accordance with the Manufacturer's Installation Manual.
4. 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 a Licensed Engineering Practitioner for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.
5. Upon construction of the Proposed Works, 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.
6. Upon construction of the Proposed Works, 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. MONITORING AND RECORDING

The Owner shall, upon commencement of operation of the Works, carry out the following monitoring program:

1. All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected at the sampling point, at the sampling frequency and using the sample type specified for each parameter listed in the Influent Monitoring Table included in Schedule B.
3. Samples shall be collected at the sampling point, at the sampling frequency and using the sample type specified for each parameter listed in the Effluent Monitoring Table included in Schedule B.
4. Samples shall be collected at the sampling point, at the sampling frequency and using the sample type specified for each parameter listed in the Groundwater Monitoring Table included in Schedule B.
5. Prior to the startup of the Works, background groundwater quality must be established by collecting groundwater samples and having them analyzed for the parameters listed in the Groundwater

Monitoring Table included in Schedule B.

6. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to each individual subsurface disposal system, including but not limited to water/wastewater flow meters, event counters, running time clocks, or electronically controlled dosing, and shall record the daily volume of effluent being discharged to the subsurface disposal system.
7. The Owner shall ensure that flow of treated effluent discharged into the pressurized shallow buried trench disposal system does not exceed 5,625 L/day.
8. The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
 - a. the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)", as amended from time to time by more recently published editions;
 - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; and
 - c. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.
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 monitoring activities required by this Approval.

6. EFFLUENT LIMITS

1. The Owner shall design, construct, operate and maintain the Proposed Works such that the concentrations of the materials named as effluent parameters in the Effluent Limits Table in Schedule B are not exceeded in the effluent from the Ecoflo Biofilter treatment units:
2. For the purposes of determining compliance with and enforcing subsection (1):
 - a. The concentration of CBOD₅ & TSS named in Column 1 of Effluent Limits Table listed in Schedule B, as measured at each monitoring event, shall not exceed the corresponding maximum concentration set out in Column 2 of Effluent Limits Table listed in Schedule B.

7. OPERATIONS AND MAINTENANCE

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 make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the sewage Works do not constitute a safety or health hazard to the general public.
3. The Owner shall prepare an operations manual within six (6) months of the introduction of sewage to the Works, that includes, but not necessarily limited to, the following information:
 - a. operating procedures for routine operation of all the Works;
 - b. inspection programs, including frequency of inspection, for all the Works and the methods or tests employed to detect when maintenance is necessary;
 - c. repair and maintenance programs, including the frequency of repair and maintenance for all the Works; copies of maintenance contracts for any routine inspections & pump-outs should be included for all the tanks and treatment units;
 - d. procedures for the inspection and calibration of monitoring equipment;
 - e. a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) and District Manager; and
 - f. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
4. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
5. The Owner shall maintain and service the Works in such a manner that leaks and spills are prevented, and shall use best efforts to immediately identify and clean up all spills.
6. The Owner shall ensure that during the operating season, all holding tanks are inspected on a weekly (once every week) basis and those holding tanks without an audible and visual high level alarm system are inspected on a daily basis.
7. The Owner shall enter into a written Agreement with a licensed hauled sewage system operator for the disposal of sanitary sewage from the holding tanks, on an as required basis, and shall keep a

copy of the valid Agreement at the site at all times during the operation of the Works.

8. The Owner shall, upon the construction of the Proposed Works, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the treatment process/technology. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
9. The Owner shall ensure that all septic tanks are inspected at a minimum frequency of once every year and pumped-out by a licensed hauler if necessary, with a minimum pump-out frequency of at least once per three to five year period (when sludge accumulation reaches one-third of the effective volume).
10. The Owner shall ensure that the effluent filters are cleaned out at a minimum frequency of once a year or more often if recommended by the manufacturer.
11. The Owner shall ensure that grass-cutting is maintained regularly over the subsurface disposal beds, and that adequate steps are taken to ensure that the area of the underground works is protected from vehicle traffic.
12. The Owner shall visually inspect the general area where sewage Works are located for a leak, a spill or a break-out on a weekly (once every week) basis during the operating season.
13. In the event a leak or a spill is observed from any component of any holding tank or the Ecoflo Biofilter treatment unit or a break-out is observed from any subsurface disposal bed, the Owner shall do the following:
 - a. sewage discharge to that holding tank, Ecoflo Biofilter treatment unit or 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 leak, the spill or the break-out;
 - d. access to the leak, spill or 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.
14. The Owner shall maintain a logbook and keep the logbook at the site and make it available for

inspection by the Ministry staff. The logbook shall include the following:

- a. the results of Operation and Maintenance activities specified in the above sub-clauses;
 - b. the date, time and volume of the sewage pump out from each holding tank;
 - c. the date of grass-cutting over each subsurface disposal system;
 - d. the date and results of each visual inspection of the general area where sewage Works are located; and
 - e. observances (including location) of any leaks and/or spills at or around any component of the Works, including recommendations for remedial action and the actions taken to mitigate the situation.
15. The Owner shall employ for the overall operation of the Works a person who possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.
16. 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.
17. The Owner shall retain a Qualified Person (Professional Engineer) to conduct an inspection of the Works every five (5) years after issuance of this Approval, and prepare an Inspection Report that shall provide at a minimum, the following information:
- a. details about general operational condition of the Works;
 - b. assessment of potential indications of failure of the Works, including but not limited to offensive odours, ponding on subsurface disposal beds or near underground tanks, sewage back-ups, etc.; and
 - c. recommendations for any repairs/modifications that are required to maintain the existing Works in good working conditions.
18. Upon request, the Owner shall make the Inspection Reports available to Ministry staff.

8. REPORTING

1. One week prior to the start up of the operation of the Proposed Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. The Owner shall report to the District Manager orally as soon as possible any non-compliance with the compliance limits, and in writing within seven (7) days of non-compliance.
3. 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), the Owner shall, within fifteen (15) days of the occurrence of any reportable spill as provided in Part X of the EPA and Ontario Regulation 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.

4. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
5. The Owner shall prepare and submit a performance report, on an annual basis, within ninety (90) days following the end of each operational season to the District Manager. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
 - a. a summary and interpretation of all monitoring data and a comparison to the Effluent Limits (Condition 6) including an overview of the success and adequacy of the Works, and a Contingency Plan in the event of not in compliance with the Effluent Limits;
 - b. a summary and interpretation of all groundwater monitoring data and a comparison to the Ontario Drinking Water Quality Standards, including an overview of the success and adequacy of the Works;
 - c. an assessment of the impact on the main drinking water supply well from the existing Sewage Systems No. 2A and No. 2B located hydraulically upgradient from the main drinking water supply well;
 - d. a summary and interpretation of all daily flow data and results achieved in not exceeding the maximum daily sewage flow discharged into each one of the subsurface disposal system;
 - e. a review and assessment of performance of sewage Works, including all treatment units and disposal beds;
 - f. a description of any operating problems encountered and corrective actions taken at all sewage Works located at the site;
 - g. a record of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of all Works located at the site including but not limited to: records of maintenance inspections for the treatment systems, records of septic tank effluent filters cleaning, records of septic tank pump-outs, records of sludge pump-outs accumulated from the treatment systems, records of visual inspections of all disposal systems;
 - h. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
 - i. a summary of any complaints received during the reporting period and any steps taken to

- address the complaints;
- j. a summary of all leaks, spills or abnormal discharge events; and
 - k. any other information the District Manager requires from time to time;

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 enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
6. Condition 6 is imposed to ensure that the effluent discharged from the Works to the groundwater meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.
7. Condition 7 is included to require that the Works be properly operated, maintained, and equipped such that the environment is protected. As well, the inclusion of an operations manual, maintenance agreement with the manufacturer for the treatment process/technology and a complete set of "as constructed" drawings governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the Owner and made available to the Ministry. Such information is an integral part of the operation of the Works. Its compilation and use should assist the Owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the Owner's operation of the Work.

8. Condition 8 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 forms part of this Approval and contains a list of supporting documentation/information received, reviewed and relied upon in the issuance of this Approval.

SCHEDULE A

1. Environmental Compliance Approval Application submitted by Charles Mitz, Ph.D., P.Geo., Senior Project Manager, The Greer Galloway Group Inc., Consulting Engineers, dated November 2, 2020 and received on November 10, 2020.
2. The design report titled "Design Basis, Environmental Compliance Approval (Sewage), Pickerel Bay Lodge Campground Expansion, Township of Lanark Highland " dated October 2020, specifications and engineering drawings, all prepared by The Greer Galloway Group Inc., Consulting Engineers.
3. All additional documentation provided by The Greer Galloway Group Inc., Consulting Engineers.
4. Environmental Compliance Approval Application submitted by Morey Associates Ltd., Consulting Engineers, dated December 3, 2015 and received on September 24, 2015.
5. Engineer's Assessment Report titled: "Environmental Compliance Approval Application, Existing Sewage Disposal Systems, Pickerel Bay Lodge, 366 Pickerel Bay Road, Township of Lanark Highlands, County of Lanark, Ontario" dated September 15, 2015, prepared by Morey Associates Ltd., Consulting Engineers.
6. Design Report titled: "Environmental Compliance Approval Application, Existing Sewage Disposal Systems, Pickerel Bay Lodge, 366 Pickerel Bay Road, Township of Lanark Highlands, County of Lanark, Ontario" dated June 6, 2017, prepared by Morey Associates Ltd., Consulting Engineers.
7. All documentation submitted during the review process to supplement the application prepared by Morey Associates Ltd., Consulting Engineers.

Schedule B

Influent Monitoring Table - Ecoflo Biofilter treatment units

Sampling Location	Upstream of the Ecoflo Biofilter treatment units
Frequency	Monthly (once every month) during the operational season
Sample Type	Grab
Parameters	BOD ₅ , Total Suspended Solids (TSS)

Effluent Monitoring Table - Ecoflo Biofilter treatment units

Sampling Location	Effluent from the Ecoflo Biofilter treatment units, prior to discharge to the pressurized shallow buried trench disposal system
Frequency	Monthly (once every month) during the operational season
Sample Type	Grab
Parameters	CBOD ₅ , Total Suspended Solids (TSS)

Groundwater Monitoring Table

Sampling Location	The main drinking water supply well
Frequency	Twice per year, once in Spring and once in Fall during the operational season
Sample Type	Grab
Parameters	Total Ammonia Nitrogen, Nitrite and Nitrate Nitrogen, Total Phosphorus, Chloride, pH (field measurement)

Effluent Limits Table - Ecoflo Biofilter treatment units

Effluent Parameter	Maximum Concentration Limit (milligrams per litre unless otherwise indicated)
CBOD ₅	10
Total Suspended Solids (TSS)	10

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s).
4865-AQWRRU issued on September 29, 2017.**

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review 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 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 Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th.Floor
Toronto, Ontario
M7A 2J3

AND

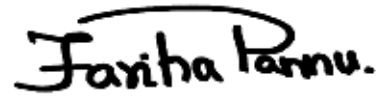
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the 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**

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 29th day of September, 2021



Fariha Pannu, P.Eng.

Director

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

KC/

c: District Manager, MECP Ottawa District Office

Charles Mitz, Ph.D., P.Geo., Senior Project Manager, The Greer Galloway Group Inc., Consulting
Engineers

Ryan Morton, Chief Administrative Officer, Township of Lanark Highlands