

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A710160
Issue Date: July 24, 2025

SHEPHERD ENTERPRISES INC
6798 Highway 35
Post Office Box, No. 68
Coboconk, Ontario
K0M 1K0

Site Location: 311 County Road 41
City of Kawartha Lakes,
K0M 2B0

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:

a Waste Disposal Site (Transfer and Storage) including two reinforced concrete storage Tanks (Tank 1 and Tank 2) used only for the storage of processed organic waste (biosolids) and a lined storage structure to be used only for the storage of Hauled Sewage.

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

"Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed in Schedule "A";

"Biosolids", within the context of this Approval, means the organic materials resulting from treatment of sewage at an approved Water Pollution Control Plant for the collection, transmission, and treatment of sewage or any part of such works, but does not include plumbing to which the *Building Code Act*, 1992 applies;

"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;

"District Manager" means the District Manager of the appropriate local district office of the Ministry where the Site is geographically located or such other official of the Ministry as may be assigned the duties of the District Manager;

"EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;

"EPA Site" means a waste disposal site that has a valid EPA Land Application Approval for land application of the Soil Conditioner on non-agricultural land;

"EPA Land Application Approval" means an Environmental Compliance Approval under Part V of the EPA for land application of a Soil Conditioner that has been issued by the Director;

"Guidelines" refers to the publication entitled "Guidelines for the Utilization of Biosolids and Other Wastes on Agricultural Land", dated March 1996, as amended or the most recent revision;

"Hauled Sewage" is as defined in Regulation 347;

"Hauled Sewage Approval" means an Environmental Compliance Approval issued under s.20.3 of Part II.1 of the EPA by the Director;

"Hauled Sewage Site" means a site that has a valid Environmental Compliance Approval issued under the EPA for a hauled sewage waste disposal site;

"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;

"NASM" means a non-agricultural source material as defined in O. Regulation 267/03. Within the context of this Approval, the NASM means the Processed Organic Waste limited to Biosolids;

"NASM Site" means a NASM Plan area that has been established in accordance with O. Regulation 267/03 and complies with Section 8.3 of that regulation for land application of the Soil Conditioner on agricultural land;

"NMA" means the *Nutrient Management Act*, 2002, S.O. 2002 Chapter 4, as amended;

"Land Application Site" means a NASM Site or an EPA Site for land application of the Soil Conditioner;

"Land Application Site Operator" means the person or persons responsible for managing the farming operations or land application of Soil Conditioner at a Land Application Site and may include the Land Application Site Owner;

"Land Application Site Owner" means the owner of the land where a Land Application Site is located;

"O. Regulation 267/03" means Ontario Regulation 267/03, General, made under the NMA, as amended;

"Owner" means SHEPHERD ENTERPRISES INC;

"OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;

"PA" means the *Pesticides Act*, R.S.O. 1990, c.P. 11, as amended;

"Processed Organic Waste" is as defined in Regulation 347. Processed Organic Waste includes

Biosolids ;

"Provincial Officer" means any person designated in writing by the Minister as a provincial officer pursuant to Section 5 of the OWRA or Section 5 of the EPA or Section 17 of the PA or Section 4 of the NMA or Section 8 of the SDWA;

"Regulation 347" means Regulation 347, R.R.O. 1990, General - Waste Management, made under the EPA, as amended;

"SDWA" means the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32, as amended from time to time;

"Soil Conditioner" means a Processed Organic Waste limited to Biosolids to be applied to land to improve its characteristics for crop or ground cover growth;

"Site" means this waste disposal site referred to as Shepherd Hauled Sewage Storage Structure and located at 311 County Road #41, Lot Part 8, Concession 3 in Kawartha Lakes City, Ontario;

"Spill" is as defined in the EPA;

"Structure" means the lined storage structure for storage of Hauled Sewage;

"Tanks" mean the reinforced concrete storage Tanks for the Soil Conditioner;

"Trained Personnel" means a person knowledgeable in the following through instruction/or practice:

- a. relevant waste Management legislation, regulations and guidelines;
- b. major environmental concerns pertaining to the waste to be handled;
- c. occupational health and safety concerns pertaining to the processes and wastes to be handled;
- d. management procedures including the use and operation of equipment for the processes and wastes to be handled;
- e. emergency response procedures;
- f. specific written procedures for the control of nuisance conditions; and
- g. the requirements of this Approval; and

"Waste" means the Soil Conditioner and the Hauled Sewage approved for receipt at this Site.

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. COMPLIANCE

1. The Owner shall ensure compliance with all the conditions of this Approval and shall ensure that any person authorized to carry out work on or operate any aspect of the Site, is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Approval.

2. BUILD IN ACCORDANCE

1. Except as otherwise provided by the Conditions in this Approval, the Site shall be operated in accordance with the plans, specifications and information listed in the attached Schedule "A".
2. Construction and installation of the aspects of the Site described in the most recent application for this Approval must be completed within 5 years of the later of:
 - a. the date this Approval is issued; or
 - b. if there is a hearing or other litigation in respect of the issuance of this Approval, the date that this hearing or litigation is disposed of, including all appeals.
3. This Approval ceases to apply in respect of the aspects of the Site noted above that have not been constructed or installed before the later of the dates identified in Condition 2.2 above.

3. INTERPRETATION

1. Where there is a conflict between a provision of any document, including the application referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.
2. Where there is a conflict between the application and a provision in any documents listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the Ministry approved the amendment.
3. Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.
4. The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

4. OTHER LEGAL OBLIGATIONS

1. The issuance of, and compliance with the conditions of this Approval does not:
 - a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
 - b. limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner to furnish any further information related to compliance with this Approval.
2. Despite an Owner or any other person fulfilling any obligations imposed by this Approval, the person remains responsible for any contravention of any other condition of this Approval or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the Adverse Effect or impairment of water quality.
3. The Owner shall ensure that the Site is not operated unless all approvals for activities under Section 9 of the EPA, where applicable, have been obtained.

5. ADVERSE EFFECTS

1. The Site shall be constructed, operated and maintained in a manner which ensures the health and safety of all persons and prevents generation of negative environmental impacts including but not limited to dust, odours, vectors, pests, birds, litter, vibration, noise and any other negative environmental effects that may cause an Adverse Effect.
2. If at any time dust, including dust from vehicles leaving the Site, odours, vectors, pests, birds, litter, vibration, noise or other such negative environmental effects are generated at the Site and cause an Adverse Effect, the Owner shall take immediate and appropriate remedial action(s) that is/are necessary to alleviate the Adverse Effect, including suspension of all Waste management activities and removal of Waste from the Site, if necessary.
3. The Owner shall take steps to minimize and ameliorate any Adverse Effect on the natural environment or impairment of water quality resulting from the approved operations at the Site, including such steps as accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

6. CHANGE OF OWNER

1. The Owner shall notify the Director in writing, and forward a copy of the notification to the District Manager, within thirty (30) days of the occurrence of any change in:
 - a. the ownership of the Site;
 - b. the operator of the Site;

- c. the address of the Owner;
 - d. the 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. B.17, as amended, shall be included in the notification; or
 - e. the name of the corporation where the Owner is or at any time becomes a corporation, other than a municipal corporation, and a copy of the most current information filed under the *Corporations Information Act*, R.S.O. 1990, c. C.39, as amended, shall be included in the notification.
2. No portion of this Site shall be transferred or encumbered prior to or after closing of the Site unless the Director is notified in advance. In the event of any change in ownership of the Site, other than change to a successor municipality, the Owner shall notify the successor of and provide the successor with a copy of this Approval, and the Owner shall provide a copy of the notification to the District Manager and the Director.

7. INSPECTIONS BY THE MINISTRY

1. No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the OWRA, the EPA, the PA, the SDWA or the NMA of any place to which this Approval relates, and without limiting the foregoing:
- a. to enter upon the premises where the approved storage is undertaken, or the location where the records required by the conditions of this Approval are kept;
 - b. to have access to, inspect, and copy any records required to be kept by the conditions of this Approval;
 - c. to inspect the Site, related equipment and appurtenances;
 - d. to inspect the practices, procedures, or operations required by the conditions of this Approval;
 - e. to conduct interviews with staff, contractors, agents and assignees of the Owner; and
 - f. to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the EPA, the OWRA, the PA, the SDWA or the NMA.

8. INFORMATION AND RECORD RETENTION

1. Any information requested by the Ministry, concerning the operation of the Site and its operation under this Approval, including but not limited to any records required to be kept by this Approval shall, upon request, be provided to the Ministry in a timely manner and in a format specified by the Ministry. All records shall be retained for two (2) years except as otherwise

authorized in writing by the Director.

2. The receipt of any information by the Ministry or the failure of the Ministry to prosecute any person or to require any person to take any action, under this Approval or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:
 - a. an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this Approval or any statute, regulation or other legal requirement; or
 - b. acceptance by the Ministry of the information's completeness or accuracy.
3. The Owner shall ensure that a copy of this Approval, in its entirety and including all its Notices of Amendment, and the documentation listed in Schedule "A", are retained at the premises of the Owner at all times.
4. All records and monitoring data required by the Conditions of this Approval must be available at the premises of the Owner for a minimum of five (5) years, unless a different requirement is stated in this Approval for the records.
5. The Owner shall ensure that all communications/correspondence made pursuant to this Approval references the Number A710160.

9. FINANCIAL ASSURANCE

1. The Owner shall,
 - a. By October 15, 2025, submit additional Financial Assurance as defined in Section 131 of the EPA, in the amount of CAN \$44,760.68 to a total Financial Assurance of \$123,143.68. This Financial Assurance shall provide sufficient funds for the analysis, transportation, the Site clean-up, monitoring and disposal of all quantities of Waste on the Site at any one time;
 - b. no later than July 25, 2030 and at intervals of five (5) years thereafter, submit to the Director, a re-evaluation of the amount of Financial Assurance to implement the actions required under Condition 9.(1)a. The re-evaluation shall include an assessment based on any new information relating to the environmental conditions of the Site and shall include the costs of additional monitoring and/or implementation of contingency plans required by the Director upon review of the closure plan and annual reports.
2. The amount of Financial Assurance is subject to review at any time by the Director and may be amended at his/her discretion. If any Financial Assurance is scheduled to expire or notice is received, indicating Financial Assurance will not be renewed, and satisfactory methods have not been made to replace the Financial Assurance at least sixty (60) days before the Financial

Assurance terminates, the Financial Assurance shall forthwith be replaced by cash.

10. SITE SECURITY

1. The Site must be maintained in a secure manner, such that unauthorized persons cannot enter the Site.

11. SERVICE AREA AND WASTE AMOUNTS

1. The Owner shall ensure that only the Waste generated in the Province of Ontario is received at the Site.
2. The maximum rate at which the Soil Conditioner is received at the Site does not exceed 500 m³ (500,000 litres) per day.
3. The total volume of the Soil Conditioner stored in the Tank 1 and Tank 2 shall not exceed 3,600 m³ and 2,465 m³ respectively, at any one time.
4. The total volume of the Hauled Sewage stored in the Structure shall not exceed 3,945 m³ (the stated operating capacity of the Structure), at any time.

12. WASTE TRANSPORT AND MANAGEMENT

1. All Soil Conditioner and all Hauled Sewage shall be transported to and from the Site in accordance with Regulation 347 and O. Regulation 267/03.
2. All Soil Conditioner and all Hauled Sewage managed at the Site shall be managed in accordance with this Approval, Regulation 347 and O. Regulation 267/03.
3. The Soil Conditioner, or a mixture of the Soil Conditioner from multiple generators, shall not be mixed or blended with any Hauled Sewage, at any time.

Conditions 12.(4) to 12.(7) only apply to Soil Conditioner Facilities

4. Soil Conditioner Facilities encompass Soil Conditioner pumping area and the Tanks.
5. Only Soil Conditioner shall be stored and blended in the Tanks and under the following provisions:
 - a. only Soil Conditioner which is generated and remains as a liquid residue from an approved Water Pollution Control Plant, and which meet the quality criteria referred to in Condition 12.(5)b. prior to mixing or blending, may be taken into storage in the Tanks;
 - b. the quality of all Soil Conditioner transferred to and from the Site shall meet the criteria

specified in the Guidelines and/or the criteria specified in O. Regulation 267/03;

- c. the Owner shall obtain and maintain copies of the current analyses for the Soil Conditioner from its generator or hauler;
 - d. prior to land application, Soil Conditioner must be thoroughly mixed and analyzed for the parameters identified in the Guidelines and/or O. Regulation 267/03;
 - e. procedures for collecting the samples and the frequency of the analysis shall be in accordance with the Guidelines and/or O. Regulation 267/03;
 - f. no Soil Conditioner shall be applied on land if its quality does not meet the criteria specified in the Guidelines and/or O. Regulation 267/03; and
 - g. in the event that Soil Conditioner does not meet the criteria, the District Manager shall be notified, and if directed, the Soil Conditioner must be disposed of at a waste disposal site which is approved to receive that type of waste.
6. Soil Conditioner transferred from the Site for land-application at a NASM Site or an EPA Site, shall be land-applied at a rate that does not exceed those prescribed in the Guidelines, the Environmental Compliance Approval for the EPA Site, or O. Regulation 267/03.
7. The Owner shall ensure that:
- a. the Site is constructed, operated and maintained in an environmentally safe and secure manner; and
 - b. that Soil Conditioner is properly stored in the Tanks so as not to pose a threat or nuisance to the health and safety of the public, Site personnel and the environment;
 - c. Soil Conditioner is properly transported to and land-applied only on a NASM Site or an EPA Site, that are approved to receive the Soil Conditioner only, and in accordance with the conditions and limitations of the Guidelines, the Environmental Compliance Approval for the EPA Site, or O. Regulation 267/03;
 - d. Soil Conditioner stored in the Tanks shall not exceed the maximum storage capacity of the Tanks;
 - e. the Contingency Plan identified in Condition 15 is utilized, if either the Tank limits are exceeded or access to, or use of, an approved EPA Site is not available;
 - f. the Site personnel trained in spill contingency planning shall be on duty at all times when Soil Conditioner is being discharged to, or pumped from, the Tanks;
 - g. the Site meets all the design requirements and specifications identified in Item 2 of

Schedule "A" of this Approval;

- h. in addition, once the Site is in operation, the Site is inspected on a routine basis and after heavy rainfall to ensure spillage or leakage has not occurred; and
- i. the Tanks shall be periodically emptied and an internal inspection of the Tanks shall be carried out to ensure the integrity of its structure.

Conditions 12.(8) to 12.(17) only apply to Hauled Sewage Facility

- 8. Hauled Sewage Facility encompasses Hauled Sewage pumping area and the Structure.
- 9. The liquid depth within the Structure shall not exceed a level 0.5 metres below the top of the Structure (freeboard).
- 10. Portable toilet waste shall not be transferred into this Structure. Portable toilet waste shall be managed in accordance with Regulation 347.
- 11. The Structure shall be emptied by no later than November 30th of each year, to facilitate visual inspection of the interior condition of the Structure for evidence of fracture failure or leakage and to ensure that there is storage capacity available for the subsequent winter. A record of the results of the visual inspection of the interior of the Structure must be created and maintained.
- 12. Following review of any of the analytical results or any of the reports required by this Approval, the District Manager may alter the frequencies and locations of sampling and parameters for analysis required if he/she considers it necessary for proper assessment of the operation of the Site and its impact on the environment.
- 13. The current minimum sampling requirements, as stated in Schedule "B", are to be carried out for a minimum period of one (1) year. If after that time, the Owner can demonstrate that the storage structure has been performing satisfactorily and without any adverse impact to the environment, the Owner can make a written request to the District Manager for alteration to the operating or monitoring conditions. The Owner must obtain written concurrence or written revised requirements, from the District Manager, prior to altering the operating or monitoring conditions.
- 14. The Hauled Sewage transferred out of the Structure may be disposed of at a Water Pollution Control Plant and/or may be land applied on a Hauled Sewage Site.
- 15. The maximum amount of the Hauled Sewage that may be applied to land is 15 litres per square metre per 7 days, unless a different maximum amount is stated in the Environmental Compliance Approval for the Hauled Sewage Site.
- 16. The Owner shall not transfer any Hauled Sewage from the Site for land application, unless a written notification from the District Manager is given to the Environmental Compliance Approval for Hauled Sewage Site holder to provide instructions for the Hauled Sewage land application or other activities as directed by the District Manager and within the time frame

specified by the District Manager.

17. The Owner shall put in place measures to control odours generated from the Site. These measures may include the use of Biologic SR2 Wastewater Treatment product, or a product equivalent in efficacy, composition and toxicity.

13. STAFF TRAINING

4. The Owner shall ensure that all operators at the Site have been trained with respect to:
 - a. the terms, conditions and operating requirements of this Approval;
 - b. the operation and management of all transfer, storage and contingency measures equipment;
 - c. any environmental concerns pertaining to the Site and the Waste to be transferred; and
 - d. relevant waste management legislation and Regulations under the EPA and OWRA.

14. COMPLAINT RESPONSE PROCEDURE

1. If at any time, the Owner receives complaints regarding the operation of the Site, the Owner shall respond to these complaints according to the following procedure:
 - a. the Owner shall record each complaint. The information recorded shall include the nature of the complaint, the name, address and the telephone number of the complainant and the time and date of the complaint;
 - b. verbally notify the Ministry's District Office;
 - c. the Owner, upon notification of the complaint shall initiate appropriate steps to determine all possible causes of the complaint, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant; and
 - d. within one (1) week of the complaint date, the Owner shall submit to the District Manager and retain on-site a report written listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the re-occurrence of similar incidents.

15. CONTINGENCY PLAN

1. If at any time, problems such as odours, noise, vermin, vector, litter, dust and/or any other nuisances are generated at the Site, resulting in impact on the environment and the public and/or complaint(s) received by this Ministry and validated by a Provincial Officer, then upon request of the Ministry, immediately take appropriate remedial action to rectify the problem. Appropriate remedial action may include temporary stoppage of all operations until the problem

has been rectified and measures have been undertaken to prevent future occurrences.

2. Within thirty (30) days of the issuance date of this Approval, the Owner must submit, for approval by the District Manager, a detailed written Contingency Plan for this Site. The approved Plan shall be implemented in the event of an emergency or spill at the Site.
3. The Owner shall ensure that contingency equipment and materials necessary for emergency response in the event of a spill is immediately available and that operating personnel are trained in its use and the methods and procedures to be employed in the event of a spill.
4. The Owner shall promptly take all necessary steps to contain and clean up any spills which result from the operation of the Site. All spills and upsets shall be immediately reported to the Ministry's Spills Action Centre at (416) 325-3000 or 1-800-268-6060 and shall be recorded in a written log or an electronic file, referred to in Condition 16.(3) of this Approval, as to the nature of the spill or upset, and the action taken for clean-up, correction and prevention of future occurrences.

16. GROUNDWATER WELLS

5. The Owner shall ensure that all groundwater monitoring wells which form part of the monitoring program shall be properly capped, locked and protected from damage.
6. Any groundwater monitoring wells included in the ongoing monitoring program that are damaged shall be assessed, repaired, replaced or decommissioned by the Owner, as required.
7. The Owner shall repair or replace any groundwater monitoring wells that is destroyed or in any way made to be inoperable for sampling, but still required as part of the monitoring program, such that no more than one regular sampling event is missed.
8. All groundwater monitoring wells which are no longer required as part of the groundwater monitoring program, and have been approved by the District Manager for abandonment, shall be decommissioned by the Owner, as required, in accordance with Ontario Regulation 903. A report on the decommissioning of the well shall be included in the Annual Report for the reporting period during which the well was decommissioned.

17. MAINTENANCE, INSPECTIONS AND RECORD KEEPING

9. The Owner shall ensure that regular inspections of the Site, by a Trained Personnel, as identified in Condition 13., is conducted, to ensure that the Site is operated in a manner that will not cause an adverse effect on the environment. Any deficiencies, that might negatively impact the environment, detected during these regular inspections, shall be promptly corrected. A written record must be maintained at the Site, which includes the following:
 - a. name and signature of the Trained Personnel conducting the inspection;

- b. date and time of the inspection;
 - c. list of equipment inspected and all observed deficiencies that might cause an adverse effect to the environment;
 - d. recommendations for remedial action and actions undertaken, including a schedule for action to be undertaken in the future;
 - e. date and time of maintenance activity; and
 - f. a detailed description of the maintenance activity.
10. The Owner must ensure that a Trained Personnel conducts, on each operating day, a visual inspection of the following areas to ensure the Site is secure and that no off-site impacts such as vermin, vectors, odour, dust, litter and noise, result from the operation of the Site:
- a. visual inspection of external condition of the Tanks for evidence of structural failure, seepage, or overflowing;
 - b. inspection of the Soil Conditioner level in the Tanks to ensure that a minimum 0.3 metre freeboard (distance between the liquid surface and top of the storage structure) is maintained at all times;
 - c. inspection of the Hauled Sewage level in the Structure to ensure that a minimum 0.5 meter freeboard (distance between the liquid surface and top of the Structure) is maintained at all times;
 - d. loading/unloading areas;
 - e. storage/transfer areas; and
 - f. security fence or barriers and property line.
11. The Owner shall maintain, at the office of the Owner, for a minimum of five (5) years, a log book or electronic file which records daily the following information for each storage structure:
- a. date of record;
 - b. client name, address, telephone number and contact person;
 - c. volume, date and source of the Soil Conditioner and/or the Hauled Sewage received;
 - d. volume, date and destination of the Soil Conditioner and/or the Hauled Sewage shipped from the Site;

- e. results of all analysis carried out for the Soil Conditioner and/or the Hauled Sewage, as required by this Approval, the Guideline, O. Regulation 267/03, the NASM Plan, the EPA Land Application Approval, the Hauled Sewage Site Approval, the Hauled Sewage System Approval, and as directed by the District Manager;
- f. all complaint(s) received and action(s) taken to rectify the problem; and
- g. description of any spill including the nature of the spill or upset, and the action taken for clean-up, correction and prevention of future occurrences.

18. ANNUAL REPORT

12. By March 31, 2026, and on an annual basis thereafter, the Owner shall prepare and submit an annual written report, covering the previous calendar year (12 month period) to the District Manager. Each report shall be maintained for a minimum of five (5) years at the Site and include, as a minimum, the following:
 - a. the result of the Soil Conditioner and/or the Hauled Sewage analysis;
 - b. summary of operation of the Site over the year including maintenance requirements for the Tanks and the Structure and their repair, or the like, if any;
 - c. summary of volumes of the Soil Conditioner and/or the Hauled Sewage and approximate annual quantity from each source;
 - d. the location of each land application site or Water Pollution Control Plant, volume and date on which land application (or transfer to a Water Pollution Control Plant) occurred, including the field number, for the Soil Conditioner and/or the Hauled Sewage.
 - e. report of any operational difficulties during removal and land application of the Soil Conditioner and/or the Hauled Sewage.
 - f. a detailed monthly summary of the quantity of the Soil Conditioner and/or the Hauled Sewage received into and transferred out from the storage;
 - g. a general ground water impact assessment, a general surface water impact assessment, and an assessment of off-site impacts;
 - h. the results of any analysis performed for ground water monitoring, surface water monitoring, domestic well(s) on or adjacent to the Site and Site soils including an assessment of the need to amend the monitoring programs or to implement potential contingency measures;
 - i. the record of the results of the visual inspection of both the exterior area and the interior area of the Tanks and the Structure;

- j. any environmental and operational problems, that could negatively impact the environment, encountered during the operation of the Site and during the Site inspections and any actions taken to mitigate the problem;
- k. a statement as to compliance with all Conditions of this Approval and with the inspection and reporting requirements of the Conditions herein; and
- l. any recommendations to minimize environmental impacts from the operation of the Site and to improve the Site operations and monitoring programs in this regard.
- m. a discussion and details about the wells located to the west and southwest of the hauled sewage spreading sites and an impact assessment addressing potential impacts on these wells.

19. CLOSURE PLAN

13. The Owner shall,

- a. submit, for approval by the Director, a written Closure Plan for the Site four (4) months prior to closure of the Site. This plan must include, as a minimum, a description of the work that will be done to facilitate closure of the Site and a schedule for completion of that work; and
- b. within ten (10) days of closure of the Site, notify the District Manager, in writing, that the Site is closed and that the Closure Plan has been implemented.

SCHEDULE "A"

This Schedule "A" forms part of Approval No. A 710160.

1. Application for Approval of a Waste Disposal Site, dated June 20, 1997.
2. Supporting documentation submitted along with the June 20, 1997 Application, entitled Shepherd Septic Service, Sludge Transfer Facility (STF-A), Preliminary Design Brief), dated May 30, 1997, prepared by Hydro-Mech Consulting Engineers.
3. Letter and its attachment, dated June 11, 1997, from George W. J. Shepherd and Michael L. G. Shepherd, Shepherd Septic Service to Director of Approvals Branch, MOE, re: Shepherd Septic Service - Sludge Transfer Facility (STF-A), Application for Environmental Compliance Approval.
4. Letter dated June 11, 1997, from George W. J. Shepherd, re: the consent of the landowner for the use of the property for sludge transfer facility.
5. Letter from George Shepherd and Michael Shepherd, Shepherd Septic Service, to Ms. Helen Russell, Clerk - Treasurer, Township of Bexley, re: Shepherd Septic Service - Proposed Transfer Facility.
6. Letter dated July 16, 1997, from Helen Russell, Clerk - Treasurer, Township of Bexley to Shepherd Septic Service, re: Council Meeting held July 14, 1997.
7. Letter dated July 18, 1997, from J. R. Mulder, MOE to Ms. Helen Russell, Township of Bexley.
8. Letter dated July 18, 1997, from J. R. Mulder, MOE to Mr. D. L. Leighton, County of Victoria.
9. Memorandum dated July 29, 1997, from F. Crossley, Hydrogeologist, MOE to J. R. Mulder, MOE.
10. Memorandum dated September 09, 1997, from Victor Castro, Planner, MOE to J. R. Mulder, MOE.
11. Letter dated July 31, 1998, from Michael L. Shepherd, Shepherd Septic Service to J. R. Mulder, MOE.
12. Letter dated March 24, 1999, from Mohsen Keyvani, MOE to Mr. M. Shepherd, Shepherd Septic Service, re: Application for Sludge Transfer Facility (Waste Transfer Site), located at Lot 8, Concession 3, Township of Bexley.
13. Facsimile dated March 24, 1999, from Cameron Smith, P. Eng., Simcoe Engineering Group Limited, to Mohsen Keyvani, MOE, re: Shepherd Septic Service STF-A.
14. Facsimile and its attachment dated August 9, 1999, from Mike Shepherd, Shepherd Septic Service to Mohsen Keyvani, MOE, including a copy of the letter dated May 26, 1999, from Helen Russell, Clerk - Treasurer, Township of Bexley, re: Declaration Under Section 34(20) of the Planning Act. S.O. 1983.
15. Letter dated September 1, 1999, from Mohsen Keyvani, MOE to Mr. M. Shepherd, Shepherd Septic Service, re: Application for Sludge Transfer Facility (Waste Transfer Site).
16. Letter and its attachment from Michael L. Shepherd, Manager, Shepherd Septic Service to the Director, Environmental Assessment and Approvals Branch, MOE, dated August 14, 2000, Re:

Request for Amendment to Environmental Compliance Approval A710160 (Transfer Site).

17. Letter from Brad Ross, MOE to George W. J. Shepherd, Shepherd Enterprises Inc., dated August 22, 2000, Re: Application for Approval of Waste Disposal Sites, Increase Storage Capability to 3600 cubic metres, Bexley Township, County of Victoria, MOE Reference Number 2834-4NFN66.
18. Letter from Mohsen Keyvani, MOE to George W. J. Shepherd, Shepherd Enterprises Inc., dated September 22, 2000, Re: Application for Approval of Waste Disposal Sites, Increase Storage Capability to 3600 cubic metres, Bexley Township, County of Victoria, MOE Reference Number 2834-4NFN66.
19. Letter and its attachment from Michael L. Shepherd, Manager, Shepherd Septic Service to Mohsen Keyvani, MOE, dated October 16, 2000, Re: Application for Approval of Waste Disposal Sites, Increase Storage Capability to 3600 cubic metres, Bexley Township, County of Victoria, MOE Reference Number 2834-4NFN66.
20. Facsimile and its attachment from Mike Shepherd, Shepherd Septic Service to Mohsen Keyvani, MOE, dated November 16, 2000, Re: Engineering drawing for the Soil Conditioner storage tank.
21. Application to re-evaluate Financial Assurance, dated April 26, 2010 and signed by Michael L. Shepherd, General Manager, Shepherd Enterprises Inc
22. Environmental Compliance Approval application, signed by Mr. Michael Shepherd, dated March 6, 2017.
23. SciCorp International Corporation Biologic SR2 product sheet and Material Safety Data Sheet.
24. E-mail dated August 4, 2020 (4:49 p.m.) from Douglas Elliot, Land Application Coordinator, Shepherd Environmental Services, including an attachment entitled "2020FinancialAssuranceA710160.pdf".
25. ECA application form dated July 18, 2024, Design and Operations report dated February 1, 2024 and all other supporting documents.
26. Emails from Douglas Elliot, Land Application Coordinator, Shepherd Environmental Services to the Ministry dated March 20, April 16, May 2, May 8, May 12, and June 17, 2025.

SCHEDULE "B"

This Schedule "B" forms part of Approval No. A 710160.

1.0 Groundwater Sampling Program

- o The Company shall ensure that sufficient samples are collected by a qualified person annually from each of the seven (7) on-site monitoring wells listed in Table 1.
- o Prior to sample collection, the Company shall ensure that the static water level in each of the monitoring wells is also measured and the temperature and pH is measured in each of the samples.
- o The Company shall ensure a minimum of three (3) well volumes of stagnant groundwater are removed prior to conducting the groundwater sampling. Groundwater sampling to be completed following a significant precipitation event.
- o All groundwater samples to be submitted to, and analysed by, an accredited laboratory for the parameters listed in Table 1, as follows:
 - a. Total Kjeldahl Nitrogen (TKN)
 - b. Ammonia
 - c. Nitrates
 - d. Nitrites
 - e. Biochemical Oxygen Demand (BOD)
 - f. Dissolved Organic Carbon (DOC)
 - g. Total Dissolved Solids (TDS)
 - h. Chloride
- o Laboratory results of groundwater samples to be compared to Ontario Regulation 169/03 Ontario Drinking Water Quality Standards (ODWQS) in addition to the Aesthetic Objective (AO)s and Operational Guideline (OG)s presented in the MECP Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines (ODWS), revised June 2006.

TABLE 1
2024 GROUNDWATER MONITORING PROGRAM

Frequency	On-site Monitors Location	Parameter
Annual	BH-1 BH-2A BH-3A BH-4 BH-5 BH-6 BH-7	Total Kjeldahl Nitrogen (TKN) Total Ammonia Nitrates Nitrites Biochemical Oxygen Demand (BOD) Dissolved Organic Carbon (DOC) Total Dissolved Solids (TDS) Chloride

2.0 Surface Water Sampling Program

- o The Company shall ensure that sufficient samples are collected by a qualified person from each of the surface water stations listed in Table 2 for (i) Bacteria impacts from field spreading, and (ii) Water quality assessment.
- i. Bacteria impacts from field spreading
 - o The Company shall ensure that sufficient samples are collected from each of the eight (8) surface water stations by a qualified person three (3) times per year between the following dates:
 - a. March 1st and March 31st of each calendar year – prior to surface spreading
 - b. April 15th and June 15th of each calendar year – during surface spreading
 - c. September 1st and October 31st of each calendar year – during surface spreading
 - o All sampling events will be conducted following significant rain events and availability of sufficient water volumes in the Intermittent Creek.
 - o All surface water samples to be submitted to and analysed by accredited laboratory for the parameters listed in Table 2, as follows:
 - a. Escherichia coli
 - b. Total coliforms
 - o Laboratory results of bacteria impacts from field spreading surface water samples to be compared to Provincial Water Quality Objectives (PWQO).
 - o Surface water flow to be measured at all surface water sampling stations for all sampling events.
 - o The Company shall ensure that the first sampling event (during surface spreading) includes sufficient samples to complete a geometric mean determination:

- a. A geometric mean determination of *Escherichia coli* (E.coli) consisting of a minimum of five (5) bacteriological sample events, shall be conducted during the operation's annual septage spreading season in order to provide a minimum 'n' sample data population required for the determination of the geometric mean concentration of E. coli. Surface water samples to be collected following a significant precipitation event.
- b. Annual collection of a minimum of five (5) samples per surface water station (as listed in Table 2) taken within a one month period, or a defined time period as appropriate relative to the site septage spreading operation and significant rainfall events between April 15th and June 15th of each calendar year.

ii. Water quality assessment

- o Annual monitoring for leak detection of the septage storage lagoon to assess potential for lagoon leakage and impact to downgradient surface water regime.
- o The Company shall ensure that sufficient samples are collected by a qualified person from each of the four (4) surface water stations listed in Table 2, annually between the following dates:
 - a. November 1st and November 30th of each calendar year – during surface spreading
- o All sampling events will be conducted following significant rain events and availability of sufficient water volumes in the Intermittent Creek.
- o All surface water samples to be submitted to, and analysed by, an accredited laboratory for the parameters listed in Table 2, as follows:
 - a. Total Kjeldahl Nitrogen (TKN)
 - b. Nitrates
 - c. Nitrites
 - d. Total Ammonia
 - e. Total Phosphorus
 - f. pH
 - g. Phosphate
 - h. Total Suspended Solids (TSS)
 - i. Total Dissolved Solids (TDS)
 - j. Biochemical Oxygen Demand (BOD)
 - k. Conductivity
 - l. Chloride
 - m. *Escherichia coli*
 - n. Total coliforms
- o Laboratory results of water quality assessment surface water samples to be compared to the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CCME CEQG-AL) in a freshwater condition and to the Provincial Water Quality Objectives (PWQO).
- o At time of collection, field measurements for dissolved oxygen, pH, and water temperature shall be collected at all surface water sampling stations.
- o At time of collection, the temperature and pH shall be measured at each surface water station for calculation of un-ionized ammonia using the methodology stipulated in "Ontario's Provincial Water

Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).

TABLE 2
SURFACE WATER MONITORING PROGRAM

Frequency	On-site Monitors Location	Parameter
(i) Triannual	Perch/Deer Creek Intermittent Watercourse: SW-1 SW-1NPL SW-2 SW-3 SW-4 SW-4SPL SW-NMR SW-DR	<i>Escherichia coli</i> Total coliforms
(ii) Annual	Perch/Deer Creek Intermittent Watercourse: SW-1 SW-2 SW-3 SW-4	Total Kjeldahl Nitrogen (TKN) Nitrates Nitrites Total Ammonia Total Phosphorus pH Phosphate Total Suspended Solids (TSS) Total Dissolved Solids (TDS) Biochemical Oxygen Demand (BOD) Conductivity Chloride <i>Escherichia coli</i> Total coliforms

- o The Company shall submit to the attention of the District Manager an annual monitoring report, by no later than March 31st of the year following the year in which the data was collected, that includes but is not necessarily limited to the following:
 - a. the results and an interpretive analysis of the results of all groundwater and surface water monitoring, currently being performed which includes one spring, summer or fall sample collection, including an assessment of the need to amend the monitoring programs or to implement potential contingency measures;
 - b. a general groundwater impact assessment, a general surface water impact assessment, and an assessment of off-site impacts;
 - c. a trend analysis to determine the effectiveness of the engineered lagoon (leak detection and

remediation).

The reasons for the imposition of these terms and conditions are as follows:

Conditions 1, 3, 4, 5 and 8 are included to clarify the legal rights and responsibilities of the Owner.

Condition 2 is included to ensure that the Site is build and operated in accordance with the application and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.

Condition 6 is included to ensure that the Site is operated under the corporate name which appears on the application form submitted for this approval and to ensure that the Director is informed of any changes. Condition 6 is included to restrict potential transfer or encumbrance of the Site without the approval of the Director and to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.

Condition 7 is included to ensure that the appropriate Ministry staff have ready access to the operations of the Site which are approved under this Approval. This Condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the OWRA, the EPA, the PA, the SDWA or the NMA.

Condition 9 is included to ensure that if for any reason the Owner should cease operations or abandon the Site sufficient funds will be available for the Site to be closed down and the Waste disposed of in an acceptable manner.

Condition 10 is included to ensure that the Site is sufficiently secured, supervised and operated by properly Trained Personnel and to ensure controlled access and integrity of the Site by preventing unauthorized access when the Site is closed and no Site personnel is on duty.

Condition 11 is included to specify the approved Waste receipt rate and the storage amounts and the approved service area from which the Waste may be accepted at the Site based on the Owner's application and supporting documentation.

Condition 12 is included to specify the Waste management requirements to ensure that environmental quality, consumer and animal health, food quality and productivity of the land is protected, before the Soil Conditioner or the Hauled Sewage can be applied on land.

Condition 13 is included to ensure that all operators working at the Site have been trained so that the Site is operated in a safe and environmentally acceptable manner and does not pose a threat to the health and safety of people or the natural environment.

Condition 14 is included to ensure that complaints are properly and quickly resolved, and that the complaints and follow-up actions have been documented.

Condition 15 is included to ensure that the Owner has done proper planning for an emergency situation response and that the Owner is prepared and properly equipped to take action in the event of a spill or

another emergency situation. Condition 15 is also included to ensure that staff promptly report spills and to minimize the possibility of off-site impacts and to ensure staff deal promptly and effectively with any spills that do occur.

Condition 16 is included to ensure the integrity of the monitoring network so that accurate monitoring results are achieved and the natural environment is protected.

Condition 17 is included to require the Site to be maintained and inspected thoroughly and on a regular basis to ensure that the operations at the Site are undertaken in a manner which does not result in an adverse effect or a hazard to the health and safety of the environment or any person.

Condition 18 is included to maintain at the Site an annual record of the Site operation and a summary of the quantities and types of the Waste handled at the Site.

Condition 19 is included to ensure that the Site is closed in accordance with Ministry standards and to protect the health and safety of the public and the environment.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A710160 issued on July 29, 2021

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 Notice") 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:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. 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*

The Director appointed for the purposes of

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

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

*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca**

This instrument is subject to Section 38 of the *Environmental Bill of Rights*, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental Protection Act*.

DATED AT TORONTO this 24th day of July, 2025



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

SF/
c: District Manager, MECP Peterborough District Office
Michael Shepherd and Douglas Elliot (Shepherd Environmental Services) Thomas Grace - Grace and Associates Inc. tgga@sympatico.ca, SHEPHERD ENTERPRISES INC