

Ministry of the Environment,
Conservation and Parks

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Ministère de l'Environnement,
de la Protection de la nature
et des Parcs

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May 01, 2019

Bruce Peninsula Septic Service Inc.
PO Box 37, Lions Head
Northern Bruce Peninsula, Ontario
N0H 1W0

Re: Hauled Sewage Disposal Site Environmental Compliance Approval

Dear Mr. Arps,

Attached is an Environmental Compliance Approval (ECA) for a proposed Hauled Sewage Disposal Site (Site), located at Part Lot 22 RP, Concession 5 EBR, former Township of Eastnor in the Municipality of Northern Bruce Peninsula, Bruce County.

Upon review of this application, I have determined that the Site is located within a highly vulnerable aquifer and significant groundwater recharge area that has been identified in the Northern Bruce Peninsula Source Protection Area. I have further determined that under the *Clean Water Act, 2002*, S.O. 2002, c. 22, as amended, the proposed waste disposal activity when undertaken within these particular Source Protection vulnerable area(s) is deemed to be a low drinking water threat. I have determined that the terms and conditions specified in the attached ECA are required to help mitigate this risk. Please be aware that operations at this Site must be undertaken in full compliance with the terms and conditions of the attached ECA.

Please carefully review the attached ECA, specifically **Condition 17**, added to ensure that the permeability of the soils in the spreading area are environmentally suitable to receive hauled sewage waste. Condition 17 requires that field testing be completed at your spreading site to determine an estimated soil permeability and percolation rate(t-time). If your spreading site has been tested in the past, please submit the test results to support the soil characteristic information that was provided on your application. If your site's soils within the spreading area have never been assessed, field testing is required. **Field tests must be completed within six months (180 days) of the issue date of this approval. Please carefully review Condition 17 to ensure that the requirements of the condition are met within the specified timeframe.**

Field percolation testing (also known as a "t-test") is an acceptable method for determining an estimate of both the T-time and permeability classification of the soils. It is recommended that a qualified consultant be hired to do this work. Alternatively, experienced consultants may be able to use soil sampling with grain size analysis to develop an estimate of these same soil characteristics. The number of field tests required depends on the size of the spreading area, the homogeneity of the soils in the spreading area and other site conditions. An experienced consultant should be able to make this determination. For proponents who elect to complete

field percolation testing, no less than 3 t-tests should be completed at selected locations suitably spaced to reflect soil conditions across the proposed spreading area. For larger hauled sewage sites more than 3 percolation tests will likely be required.

I draw your attention to the fact I have established a condition that sets a **2 year expiry** date for this ECA. This approach supports future implementation of program changes the ministry is considering for new/renewed hauled sewage disposal sites in Source Protection Vulnerable Areas where this disposal activity is considered to be a low or moderate drinking water threat.

If you have any questions or concerns, please do not hesitate to contact the Owen Sound District Office at 519-371-2901.

Yours sincerely,



Rick Chappell,
Director, Section s.20.3, Environmental Protection Act,
District Manager, Owen Sound District Office
Ministry of the Environment, Conservation and Parks
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Bruce Peninsula Septic Services Inc.
PO Box 37, Lions Head
Northern Bruce Peninsula, Ontario
N0H 1W0

Operating under Waste Management System (Hauled Sewage) environmental compliance approval number A920428

For the Site located at: Part Lot 22, Concession 5 EBR in the former Township of Eastnor, Municipality of Northern Bruce Peninsula, Bruce County

You have applied under section 20.2 of the *Environmental Protection Act*, R.S.O. 1990, c. E.19, as amended (*Environmental Protection Act*) for approval of the use and operation of a Hauled Sewage Disposal Site. The Hauled Sewage Disposal Site approved herein may accept Hauled Sewage only, the spreading of which is restricted to the 8 hectare spreading area described at Schedule A of this Environmental Compliance Approval.

The handling, storage and disposal of hauled sewage at this Hauled Sewage Disposal Site is subject to the definitions, terms and conditions set out in the above referenced Waste Management System approval. In addition to those definitions, terms and conditions, the following site specific definitions, terms and conditions apply at this site. Where there is a conflict between the provisions of the Waste Management System environmental compliance approval and this environmental compliance approval, the definitions, terms and conditions of this document prevail when dealing with the operation of the Hauled Sewage Disposal Site approved by this document.

For the purpose of this Hauled Sewage Disposal Site environmental compliance approval, the following definitions apply:

- a. "Act" means the *Environmental Protection Act*, R.S.O. 1990, c. E.19, as amended;
- b. "Approval" means this entire Environmental Compliance Approval including its schedules, if any, issued under section 20.3 of II.1 of the Act;
- c. "*Clean Water Act*" means the *Clean Water Act, 2006*, S.O. 2006, c. 22, as amended.
- d. "**commercial, community or institutional use**" means any commercial, community or institutional use, including without limitation the use of land for,
 - i. an office building,
 - ii. a hotel, motel, hostel or similar type of accommodation,
 - iii. an overnight camp or overnight campgrounds,

- t. **"Sewage Works"** means a sewage works approved under Part II.1 of the Act;
- u. **"Site"** means a location approved to receive Hauled Sewage under the Approval;
- v. **"Snow-covered"**, when used in reference to soil, means that there is a layer of snow with an average minimum depth of five centimetres.
- w. **"Surface Water"** means water found in lakes, ponds, rivers, streams, wetlands, swamps, artificial watercourses, intermittent watercourses and seasonally wet areas, including ditches and swales.

GENERAL

- 1.
 - a. The requirements of the Approval are severable. If any requirement of the Approval, or the application of any requirement of the Approval to any circumstance, is held invalid, the application of such requirement to other circumstances and the remainder of the Approval shall not be affected in any way; and
 - b. The issuance of, and compliance with the conditions of the Approval does not:
 - i. relieve any person of any obligation to comply with any provision of any applicable statute, regulation, by-law or other legal requirement; or
 - ii. limit in any way the authority of the Ministry to require that certain actions be taken by Bruce Peninsula Septic Services Inc. or to require Bruce Peninsula Services Inc. to furnish any further information related to compliance with the Approval.
- 2.
 - a. Except as otherwise provided by these conditions, the Site shall be operated in accordance with the application submitted for the Approval and with the supporting documentation submitted to the Ministry as part of the application listed in Schedule "A" to the Approval.
 - b. The Company, any owner of the property comprising the Site and the Operator shall ensure that it is operated in accordance with these conditions.
- 3. The Company shall ensure that any communication/correspondence made in relation to the Site or to the Approval includes reference to the Approval number.
- 4. The Company shall notify the Director in writing of any of the following changes within thirty (30) days of the change occurring:
 - a. change of owner of the property comprising the Site;
 - b. change of Operator; or ;
 - c. change of Company or Company address.
- 5. In the event of any change in ownership of the Site, the Company shall forthwith notify in writing the succeeding owner of the existence of the Approval, and provide the successor with an up-to-date copy of the Approval and a copy of such notice shall forthwith be forwarded to the Director.
- 6. Without limiting the authority provided Provincial Officers under the Act, the Ontario Water Resources Act, the Pesticides Act or the Nutrient Management Act, a Provincial Officer from the Ministry has the authority under those acts, at any reasonable time, without a warrant and with any reasonable assistance, to inspect all areas of the Site except living quarters and to require that any records required to be kept

under any of those acts or the Approval be made available for inspection by that Provincial Officer upon request.

SPILL PREVENTION PROCEDURES

7.
 - a. Prior to operating at the Site, the Company shall develop written procedures covering the following:
 - i. procedures for reporting to the Ministry, and municipal authorities as required in the event a spill occurs at the Site;
 - ii. a list of the personnel responsible for operations at the Site;
 - b. The Company shall ensure that all personnel involved the operation of this Hauled Sewage Disposal Site are aware of the requirements of this Approval and are trained in Spill Prevention Procedures outlined in this condition.

OPERATIONS

8. The Company must ensure that no unnecessary off-Site effects, such as vermin, vectors, odour, dust, litter, noise and traffic, result from the spreading, hauling, storage or disposal of Hauled Sewage at this Site. This condition does not reduce the Company's obligations to comply with the Act or the Ontario Water Resources Act.
9. Spills of a pollutant that cause or may cause an adverse effect, that may enter or do enter any “waters”, as that term is defined in the *Ontario Water Resources Act*, and that may impair the water quality of those waters, shall forthwith be reported to the Ministry's Spills Action Centre at (416) 325-3000 or 1-800-268-6060) and the Company shall take appropriate remedial action to limit the impact. Information regarding all spills shall be recorded in the log book, referred to in condition 19 of the Approval.
10. To avoid run-off from the Site,
 - a. No Hauled Sewage shall be spread or disposed of at the Site when the ground is frozen, ice-covered or snow covered;
 - b. No Hauled Sewage shall be spread at the Site when there is ponded water on the intended spreading area at the Site.
 - c. No Hauled Sewage shall be spread at the Site when conditions are such that Hauled Sewage, or water contaminated by Hauled Sewage, may runoff or discharge from the Site. Conditions which may lead to such runoff or discharge from the Site include precipitation events, snowmelt and flooded or saturated spreading areas

Hauled Sewage shall only be spread at the site during the time periods indicated in the table below.

Maximum Sustained Slope	Soil Permeability ¹	Allowable Duration of Application	
		Southern Ontario	Northern Ontario
0 to 3%	Any soils where Percolation Time ² > 1 minute per cm	April 1 to November 30	April 1 to November 30
3 to 6%	Rapid to moderately rapid	April 1 to November 30	April 1 to November 30
3 to 6%	Moderate to slow	May 1 to November 30	June 1 to November 30
6 to 9%	Rapid to moderately rapid	May 1 to November 30	June 1 to November 30
6 to 9%	Moderate to slow	No spreading permitted	No spreading permitted

Notes:

¹The Company (or qualified consultant) is responsible for ensuring that the soil permeability of the soils is properly classified in accordance with currently accepted engineering and hydrogeological practices and submitting documentation as to the classification, if a classification greater than "slow" is claimed.

²Percolation Time means the average time in minutes that is required for water to drop one (1) centimetre during a soil percolation test as determined by the test or other appropriate means.

11. Spreading of Hauled Sewage is prohibited in areas at the Site with a maximum sustained slope of greater than 9%.
12. Spreading of Hauled Sewage is prohibited in any areas at the Site where the activity is or would be a Significant Drinking Water Threat as defined under the Clean Water Act.
13. Prior to spreading of hauled sewage at the Site, the operator shall ensure the useable spreading area is clearly flagged, digitally designated in GPS such that the designation is readily available upon the request of a Provincial Officer, or similarly marked so as to clearly identify setbacks from sensitive features and any areas where spreading is prohibited pursuant to Condition 12 of the Approval.
14. Hauled Sewage shall only be spread at the Site at the lower of fifteen (15) litres per square metre per seven (7) days or such other lower rate which ensures that ponding at, puddling on or runoff from the Site does not occur.
15. No processed organic waste, grease trap waste or other waste, other than Hauled Sewage, shall be stored, spread or disposed of at the Site.

SETBACKS

*The following Site specific setback requirements apply to the spreading of Hauled Sewage at the Site and **take precedent** over the setback requirements set out in Schedule D of Waste Management System approval No. A920428.*

16. The portion of the Site approved for spreading or storage of Hauled Sewage is subject to the following setbacks,
 - a. a minimum of 450 metres from sensitive uses, unless the Hauled Sewage is injected or incorporated into the soil within 24 hours of application, in which case the separation distance may be reduced to 50 metres ;
 - b. a minimum of 450 metres from a residential area, unless the Hauled Sewage is injected or incorporated into the soil within 24 hours of application, in which case the separation distance may be reduced to 50 metres;
 - c. a minimum of 90 metres from a single residence, unless the Hauled Sewage is injected or incorporated into the soil within 24 hours of application, in which case the separation distance may be reduced to 25 metres;
 - d. a minimum of 30 metres from a public roadway unless the Hauled Sewage is injected or incorporated into the soil within 24 hours of application, in which case the separation distance may be reduced to 15 metres;
 - e. a minimum of 90 metres from private water wells;
 - f. a minimum of 100 metres from municipal drinking water wells; and
 - g. setbacks to surface waters as detailed in the Table below:

Table: Setbacks from surface waters

Maximum Sustained Slope	Setbacks for sites with <u>confirmed</u> Rapid to Moderately Rapid Permeability¹ Soils	Setbacks for Sites where soil permeability¹ has not been confirmed or is confirmed to be moderate or slow	Setbacks for sites where hauled sewage is injected into soil or placed in a trench or furrow
0 - 3%	60 metres	120 metres	60 metres
3 - 6%	120 metres	240 metres	120 metres
6 - 9%	180 metres	360 metres	180 metres
greater than 9%	No sewage to be applied	No sewage to be applied	No sewage to be applied

¹The Company (or qualified consultant) is responsible for ensuring that the soil permeability of the soils is properly classified in accordance with currently accepted engineering and hydrogeological practices and submitting documentation as to the classification, if a classification greater than "slow" is claimed.

FIELD TEST TO CONFIRM SOIL PERMEABILITY

17. Within six months (180 days) of the issue date of this approval, the Company shall undertake field testing in accordance with accepted engineering practices to determine the estimated permeability of the soils in the hauled sewage spreading area.
 - a. Within seven months of the issue date of this Approval, the Company shall submit a written report to the District Manager that describes the actions taken to comply with condition 17 above. The report shall include an estimated percolation rate (t-time) for soils in the spreading area.

STORAGE

18. No Hauled Sewage shall be stored pursuant to the Approval at this Site.

RECORD KEEPING

19. The Company shall keep written records in the a log book and will maintain a record of where, when and how much Hauled Sewage was spread, stored or disposed at the Site;

EXPIRY

20. The Approval Expires on: **May 01, 2021**

SCHEDULE "A"

This Schedule "A" forms part of this Approval:

1. Environmental Compliance Approval Application, dated January 8, 2019 and received on January 8, 2019, and signed by Arnold John Arps.

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

1. The reason for conditions 1, 2, 3, 4, 5 and 6 is to clarify the legal rights and responsibilities of the Company.
2. The reason for conditions 7 and 9 is to ensure that staff can identify Site problems and deal promptly and effectively with any spills and upsets, and any public complaints that may occur.
3. The reason for condition 8 is to ensure that the Site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.
4. The reason for conditions 10 and 11 is to ensure that land application restrictions are established based on the slope of land, type of soil and the period of use in any calendar year to promote the seepage of hauled sewage down into the underlying overburden. The prohibitions will prevent Hauled Sewage spreading when there is a risk of runoff.
5. The reason for condition 12 is to ensure Hauled Sewage application is not to take place in areas where the activity is considered to be a significant drinking water threat under the Clean Water Act.
6. The reason for condition 13 is to ensure that hauled sewage is only applied in such a manner as to comply with the listed setbacks and source protection vulnerable area restrictions.
7. The reason for condition 14 is to ensure that the type and amount of Hauled Sewage accepted for spreading on agricultural lands, and the spreading activities, are in accordance with that approved under this Approval.
8. The reason for condition 15 is to ensure that loading rates on the soil are strictly controlled under the sludge utilization program for Hauled Sewage. Fields used for this program cannot be used for processed organic waste spreading and vice versa.
9. The reason for condition 16 is to ensure that only the area reviewed and recommended in the Site assessment, subject to the listed setbacks, is used for spreading.
10. The reason for condition 17 is to ensure that the permeability of soils in the spreading area are environmentally suitable to receive hauled sewage.
11. The reason for condition 18 is to ensure Hauled Sewage is stored in a manner that minimizes the likelihood of spills or hazards to the health and safety of the environment or people.
12. The reason for conditions 19 is to ensure that the Site is operated in accordance with the application and supporting information submitted by the Company, and not in a manner which the Director has not been asked to consider.
13. The reason for condition 20 is to ensure a periodic review of the instrument occurs to ensure the Site operations and associated impacts have not resulted in adverse effects on the land as a consequence of continuous long term use.

ENVIRONMENTAL COMPLIANCE APPROVAL
HAULED SEWAGE DISPOSAL SITE SCHEDULE C
NO. 19-OWE-5363

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. 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;
2. 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:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

Rick Chappell
Manager, Owen Sound District Office
Ministry of the Environment, Conservation
and Parks
101 17th St. E., 3rd Floor
Owen Sound, ON N4K 0A5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal Toll Free at: Tel: 1 (866) 448-2248, Fax: 1 (877) 849-2066 or ERTTribunalSecretary@ontario.ca**

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

DATED AT OWEN SOUND DISTRICT OFFICE this FIRST day of MAY, 2019



Rick Chappell, District Manager, Owen Sound District Office
Director, *Environmental Protection Act*,
Ministry of the Environment, Conservation and Park
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