

**PERMIT TO CONSTRUCT**

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 36

Date: **JUNE 16, 2016**

File No: **844.155.001**  
Permit No: **WS8700-2016**

Permit Holder: **Town of Lewin's Cove  
PO Box 40  
Lewin's Cove NL A0E 2G0**

Attention: **Barbara Mullett, Town Clerk/Manager**

Re: **Lewin's Cove - Septic Tanks on Existing Outfalls**

Permission is hereby given for : the installation of four new cast in place concrete septic tanks on existing outfalls (a 27.0 m<sup>3</sup> tank at Outfall 2770-1, a 113.4 m<sup>3</sup> tank at Outfall 2770-3, a 39.0 m<sup>3</sup> tank at Outfall 2770-4, a 18.0 m<sup>3</sup> tank at Outfall 2770-5) and related works and appurtenances as described in a specification and drawings titled, "Town of Lewin's Cove Septic Tanks/Access Roads to Outfalls" as received from Harris & Associates Ltd. on April 21, 2016.

- This Permit does not release the Permit Holder from the obligation to obtain appropriate approvals from other concerned municipal, provincial and federal agencies.
- The Permit Holder must obtain the approval of the Crown Lands Administration Division if the project is being carried out on Crown Land.
- This Permit is subject to the terms and conditions indicated in Appendices A and B (attached).
- It should be noted that prior to any significant changes in the design or installation of the proposed works, or in event of changes in ownership or management of the project, an amendment to this Permit must be obtained from the Department of Environment and Conservation under Section 49 of the *Water Resources Act*.
- Failure to comply with the terms and conditions will render this Permit null and void, place the Permit Holder and their agent(s) in violation of the *Water Resources Act* and make the Permit Holder responsible for taking any remedial measures as may be prescribed by this Department.



MINISTER

**APPENDIX A**  
**Terms and Conditions for Permit**

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**Water & Sewer General**

1. Water pumped from excavations or work areas, or any runoff or effluent directed out of work sites, must have silt and turbidity removed by settling ponds, filtration, or other suitable treatment before discharging to a body of water. Effluent discharged into receiving waters must comply with the *Environmental Control Water and Sewage Regulations, 2003*.
2. All operations must be carried out in a manner that prevents damage to land, vegetation, and watercourses, and which prevents pollution of bodies of water.
3. Any areas adversely affected by this project must be restored to a state that resembles local natural conditions. Further remedial measures to mitigate environmental impacts on water resources can and will be specified, if considered necessary in the opinion of the Department.
4. All waste materials resulting from this project must be disposed of at a site approved by the Department of Service NL.
5. The works proposed must satisfy the requirements of the latest applicable codes and standards, and be consistent with or otherwise address the design criteria set out in the Department of Environment and Conservation publication *Guidelines for The Design, Construction, and Operation of Water and Sewerage Systems, 2005*, and as amended from time to time.
6. The work must be undertaken in strict compliance with the submitted documents and the latest version of the *Municipal Water, Sewer and Roads Master Construction Specifications*. A copy of all documents, including the *Municipal Water, Sewer and Roads Master Construction Specifications* must be available for viewing at the construction site office at all times.
7. Liaison is to be maintained with the Design Approval Specialist representing the Community Water and Wastewater Section of this Department, during the construction and operation of the project. The Specialist shall be notified of the pre-construction and post-construction meetings so that she may attend, if deemed necessary. She can be reached at telephone (709) 729-2558.
8. Officials of this Department may visit the project from time to time to ensure that work is carried out within the provisions of this Permit, and is not creating any environmental hazard.
9. Any changes in the approved works, or works other than those specified in the application, must be submitted, in writing, to this Department, and approved, in the form of an Amendment to this Permit, prior to any work.
10. Copies of this Permit, as well as any subsequent Amendments, must be provided to the contractor(s) who will be carrying out these works, and to the engineer's site representative.
11. The attached Completion Report (Appendix C) for Permit No. 8700 must be completed and returned to this Department upon completion of the approved works. Pictures must be submitted along with the completion report, showing the project site prior to and after development.
12. This Permit is valid for two years from the date of issue. Work must be completed by that date or the application and approval procedure must be repeated.
13. The wastewater system shall be operated and maintained in accordance with the Permit to Operate issued by this Department.
14. Management of stormwater is the responsibility of the municipality or LSD. Stormwater management should focus on ensuring that the post-development stormwater runoff rate will be equal to or less than the pre-development runoff rate. Any stormwater runoff has the potential to contribute to flooding downstream which may have liability issues for the municipality or LSD if not managed properly.
15. The Owner must update any drawings maintained of the wastewater system to reflect the modification or replacement of the works, where applicable.

**Sewer Systems**

16. Storm water drainage, including roof drains, weeping tile drains, and street drainage, shall not be connected to the sanitary sewer system.

17. In the event that private or existing sewer lines are disturbed during construction, the lines are to be restored to their original *working* condition. Care shall be taken to ensure that soil or other material does not enter the lines to cause blockage.

#### **Miscellaneous**

18. The Permit Holder must prevent erosion of drainage ditches, streams or other natural bodies of water by installing rip-rap and/or sodding.

19. All drains and vents shall be equipped with screens to prevent the entry of insects, birds and rodents.

20. Council is advised that the septic tanks installed will require regular maintenance to ensure its efficient operation. It is also noted that the tank will require periodic pumping out of accumulated solids - at least every 2 or 3 years, or more frequently as required. Budget allocations should be made to ensure funds are available for this purpose. The material pumped out must be done by a licensed hauler and the liquid waste must be disposed of at an approved site/treatment facility. It is particularly noted that disposal of these solids to the receiving waters will not be permitted.

#### **Septic Tanks**

21. The septic tanks outlet elevation shall be above the highest normal tide, if not achievable then a back flow prevention valve must be installed.

22. The septic tanks shall have a minimum liquid capacity of 27 000 liters, 113 400 liters, 39 000 liters and 18 000 liters and shall be constructed as outlined on drawings 3, 5, 7 and 9. The tanks must be CSA certified and/or constructed and tested in accordance with the CSA B66-00 Standard.

23. Access (by persons and vehicles) to the top of the septic tanks shall be prohibited by a barrier.

24. The sanitary sewer system shall terminate into a primary treatment chamber. The primary treatment chamber must be checked for water tightness prior to being put into service. All manhole covers shall be sealed to prevent the entry of water or debris. Adequate ventilation shall be provided for the primary treatment chamber.

25. There shall be a minimum 75 mm difference in elevation between the tank's inlet and outlet pipes.

26. The tank's outlet tee must extend down into the chamber's clear liquid section to prevent carryover of solids and scum.

**APPENDIX B**  
**Special Terms and Conditions for Permit**

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1. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall keep all systems and works in good condition and repair and in accordance with all laws, by-laws, directions, rules and regulations of any governmental authority. The Permit Holder or its agent(s), subcontractor(s), or consultant(s) shall immediately notify the Minister if any problem arises which may threaten the structural stability of the systems and works, endanger public safety and/or the environment or adversely affect others and/or any body of water either in or outside the said Project areas. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall be responsible for all damages suffered by the Minister and Government resulting from any defect in the systems and works, operational deficiencies/inadequacies, or structural failure.
2. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall operate the said Project and its systems and works in a manner which does not cause any water related and/or environmental problems, including but not limited to problems of erosion, deposition, flooding, and deterioration of water quality and groundwater depletion, in or outside the said Project areas. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) shall be responsible for any and all damages associated with these problems caused as a result of changes, deficiencies, and inadequacies in the operational procedures by the Permit Holder or its agent(s), subcontractor(s), or consultant(s).
3. If the Permit Holder or its agent(s), subcontractor(s), or consultant(s) fails to perform, fulfil, or observe any of the terms and conditions, or provisions of this Permit and/or Ministerial orders and guidelines, as determined by this Department, the Minister may, after providing ten (10) day notice to the Permit Holder, amend, modify, suspend or cancel this Permit in accordance with the *Water Resources Act*.
4. The Permit Holder and its agent(s), subcontractor(s), and consultant(s) indemnify and hold the Minister and Government harmless against any and all liabilities, losses, claims, demands, damages or expenses including legal expenses of any nature whatsoever whether arising in tort, contract, statute, trust or otherwise resulting directly or indirectly from granting this Permit, systems and works in or outside the said Project areas, or any act or omission of the Permit Holder or its agent(s), subcontractor(s), or consultant(s) in or outside the said Project areas, or arising out of a breach or non-performance of any of the terms and conditions, or provisions of this Permit by the Permit Holder or its agent(s), subcontractor(s), or consultant(s).
5. This Permit is subject to all provisions of the *Water Resources Act* and any regulations in effect either at the date of this Permit or hereafter made pursuant thereto or any other relevant legislation enacted by the Province of Newfoundland and Labrador in the future.
6. This Permit shall be construed and interpreted in accordance with the laws of the Province of Newfoundland and Labrador.

- cc: Ms. Deneen Spracklin, P.Eng.  
Environmental Engineer, Community Water and Wastewater  
Water Resources Management Division  
Department of Environment and Conservation  
PO Box 8700  
St. John's NL A1B 4J6  
dspracklin@gov.nl.ca
- cc: Mr. Inayat Rehman, P.Eng.  
Department of Municipal and Intergovernmental Affairs  
Main Floor, West Block, Confederation Bldg.  
PO Box 8700  
St. John's NL A1B 4J6
- cc: Mr. Robert Groves, Regional Manager  
Service NL  
Regional Government Service Centre  
8 Myers Avenue  
Suite 201  
Clarenville NL A5A 1T5
- cc: Mr. David Peddle, CET  
Harris & Associates Limited  
PO Box 699  
Carbonear NL A1Y 1C2

**Appendix C - Completion Report**

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 36

Date: **JUNE 16, 2016**

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Attention: **Barbara Mullett, Town Clerk/Manager**

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*I (the Permit Holder named above or agent authorized to represent the Permit Holder) do hereby certify that the project described above was completed in accordance with the plans and specifications submitted to the Department of Environment and Conservation and that the work was carried out in strict compliance with the terms and conditions of the Permit issued for this project.*

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

This completion report must be completed and forwarded to the following address upon completion of the approved work.

Department of Environment and Conservation  
Water Resources Management Division  
PO Box 8700  
St. John's NL A1B 4J6