

## PERMIT TO CONSTRUCT

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

Date: **OCTOBER 04, 2019**

File No: **843.027.1**  
Permit No: **WS10556-2019**

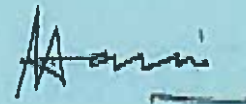
Permit Holder: **Town of Musgrave Harbour  
PO Box 159  
Musgrave Harbour NL A0G 3J0  
musgravetowncouncil@nf.aibn.com**

Attention: **Ms. Cassandra Mouland**

Re: **Musgrave Harbour - Lift Station Upgrades**

Permission is hereby given for : **upgrades to an existing sewage pumping station including all mechanical and electrical components, upgrades to the lift station's overflow pipe by installing 12 m of 200 mm diameter PVC sanitary sewer pipe and related works as described in a specification titled "Town of Musgrave Harbour, Lift Station Upgrades" as well as a set of revised drawings numbered 1035-19 (DMAE no. 17-MCW-19-00016), sheets C1.01, C1.02, C2.01 and C2.02 as received from DMG Consulting Limited on October 4, 2019.**

- 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 Municipal Affairs and Environment under Section 49 of the *Water Resources Act*.



(for) 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 this 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 Municipal Affairs and Environment 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 Environmental Scientist representing the Drinking Water and Wastewater Section of this Department, during the construction and operation of the project. They shall be notified of the pre-construction and post-construction meetings so that they may attend, if deemed necessary. They can be reached at telephone (709) 637-2034 .
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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. 10556 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. The Owner must update any drawings maintained of the wastewater system to reflect the modification or replacement of the works, where applicable.

#### **Lift Stations and Forcemains**

15. The sewage lift station must be equipped with a manual line transfer switch to accommodate an auxiliary power source during power outages.
16. Contingency plans must be established for mechanical and extended electrical failure for all sewage pumping stations. Alarm systems shall be activated in cases of power failure, pump failure, unauthorized entry, or any cause of pump station malfunction.
17. The proposed sewage pump station must be in compliance with the Department of Municipal Affairs and Environment *Municipal Water, Sewer and Roads Master Construction Specifications*.
18. A sewage pumping station shall be equipped with an alarm system that shall be activated in cases of power failure, pump failure, sump pump failure, unauthorized entry, or any cause of a pump station malfunction.
19. Provision must be provided for the temporary pumping of sewage to the existing receiving manhole while the sewage pumping station and forcemain is being upgraded. Pumping to any other location will not be considered for this project.
20. All septic sludge and grit removed from the lift station chamber must be disposed of by a licensed hauler to an approved waste disposal site.

#### **Outfalls and Overflows**

21. The overflow shall be installed in such a manner as to protect against the effects of tides, floodwater, ice or other hazards to ensure continuous function.
22. Backwater prevention devices are required when there is the risk of flooding of the overflow.
23. Sanitary sewer overflows must be discharged below LNT for saltwater and must reach the water's edge for freshwater. Measures must be taken to reduce the frequency and duration of overflows.

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#### **Alterations Municipal Works**

24. Any work that must be performed below the high water mark must be carried out during a period of low water levels.
25. Any flowing or standing water must be diverted around work sites so that work is carried out in the dry.
26. The use of heavy equipment in streams or bodies of water is not permitted. The operation of heavy equipment must be confined to dry stable areas.
27. All vehicles and equipment must be clean and in good repair, free of mud and oil, or other harmful substances that could impair water quality.
28. Wood preservatives such as penta, CCA or other such chemicals must not be applied to timber near a body of water. All treated wood or timber must be thoroughly dry before being brought to any work site and installed.
29. The bed, banks and floodplains of watercourses, or other vulnerable areas affected by this project, must be adequately protected from erosion by seeding, sodding or placing of rip-rap.

30. Sediment and erosion control measures must be installed before starting work. All control measures must be inspected regularly and any necessary repairs made if damage is discovered.
31. Fill material must be of good quality, free of fines or other substances including metals, organics, or chemicals that may be harmful to the receiving waters.

**Miscellaneous**

32. The Permit Holder must prevent erosion of drainage ditches, streams or other natural bodies of water by installing rip-rap and/or sodding.
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**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, as determined by this Department, the Minister may, without notice, 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: Mr. Reg Hedges, P.Eng.  
DMG Consulting Ltd.  
185 Roe Avenue  
P.O. Box 194  
Gander, NL, A1V 1W6  
reg.hedges@dmg.nf.ca

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cc: Mr. Chris Blanchard, B.Tech.(Env), AScT  
Environmental Scientist  
Water Resources Management Division  
Department of Municipal Affairs and Environment  
P.O. Box 2006  
Corner Brook, NL A2H 6J8  
cblancha@gov.nl.ca

cc: Ms. Deneen Spracklin, P.Eng.  
Environmental Engineer, Drinking Water and Wastewater Section  
Water Resources Management Division  
Department of Municipal Affairs and Environment  
P.O. Box 8700  
4th Floor, West Block, Confederation Building  
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cc: Mr. Wilf Maloney, P. Eng.  
Regional Engineer, Central Regional Office  
Department of Municipal Affairs and Environment  
PO Box 2222  
Gander, NL A1V 2N9  
WilfMaloney@gov.nl.ca

cc: Mr. Wayne Lynch (Central)  
Regional Director (Central)  
Service NL  
P.O. Box 2222  
Gander, NL A1V 2N9  
waynelynch@gov.nl.ca

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**Appendix C - Completion Report**

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

Date: **OCTOBER 04, 2019**

File No: **843.027.1**  
Permit No: **WS10556-2019**

Permit Holder: **Town of Musgrave Harbour**  
**PO Box 159**  
**Musgrave Harbour NL A0G 3J0**  
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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 Municipal Affairs and Environment 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 Municipal Affairs and Environment  
Water Resources Management Division  
PO Box 8700  
St. John's NL A1B 4J6