

PERMIT TO ALTER A BODY OF WATER

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, Section(s) 48

Date: **MARCH 19, 2015** File No: **526.560-03**
Permit No: **ALT7941-2015**

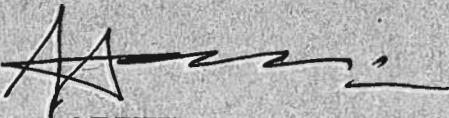
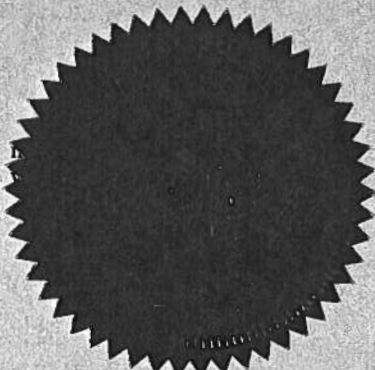
Proponent: **Newfoundland Power Inc.**
47 Maple Valley Rd.
Corner Brook, NL A2H2Y6

Attention: **Chad Parsons**

Re: **Replacement of 4 (four) existing electricity supply line poles in 1:20 and 1:100 flood zones of Humber River watershed**

Permission is hereby given for : **replacement of 4 (four) existing electricity supply line poles on both sides of Humber River in 1:20 and 1:100 years flood zones to upgrade the electrical service to the Humber Valley Resort, Division No. 5, NL with reference to application dated March 9, 2015.**

- This permit does not release the proponent from the obligation to obtain appropriate approvals from other concerned municipal, provincial and federal agencies.
- The proponent 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 Appendix A (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 proponent and their agent(s) in violation of the *Water Resources Act* and make the proponent responsible for taking any remedial measures as may be prescribed by this Department.



MINISTER

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Environment and Conservation

File No: 526, 560-03
Permit No: ALT7941-2015

APPENDIX A
Terms and Conditions for Environmental Permit

Flood Zone Development

1. The proponent's property is within the designated flood plain for the Deer Lake and Steady Brook area. This development, and future development at the site, must comply with this Department's policy directive for *Flood Plain Management W.R. 96-1*.
2. the structure will not interfere with the flow of water or displace water such that it creates a worse flooding situation for other properties
3. The proposed use of the facility and site will not involve any storage of pollutants such as fuels, chemicals, pesticides, etc.
4. Any further development in the flood zone area not specifically covered by this permit will require a separate permit from this Division under Section 48 of the *Water Resources Act*.

Utility Poles

5. Armour stone must be placed around cribbing, where required, to prevent erosion.
6. The use of creosote treated wood is strictly prohibited within 15 metres of all bodies of fresh water in the province.
7. Infilling must not cause increased water elevation upstream or increase flow velocity downstream of the site. Reduction of the natural cross sectional area of any watercourse is not permitted.
8. Infilling must not disrupt the established surface drainage pattern of the area.
9. Outside the scope of work outlined in this permit, a minimum 15 metre wide vegetated buffer zone must be maintained along the edge of all waterbodies in order to provide bank stability, maintain local aesthetics and to help protect water quality.
10. CCA treated utility poles must not be installed within 5.0 metres of a domestic well or other private water supply.
11. A water quality monitoring program is not required at this time. However, the Department reserves the right to require that the proponent sample, analyse, and submit results of water quality tests, for the purpose of ensuring that the water quality is maintained within acceptable guidelines. All analyses must be undertaken by a C.A.E.A.L. accredited laboratory.
12. Installation of overhead lines under frozen conditions is preferable in all situations and, in particular, on wet terrains (e.g. bogs). The use of aerial methods (i.e. helicopter) is also acceptable.

General Alterations

13. Any work that must be performed below the high water mark must be carried out during a period of low water levels.
14. Any flowing or standing water must be diverted around work sites so that work is carried out in the dry.
15. 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*.
16. 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.
17. 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.
18. 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.

19. During the construction of concrete components, formwork must be properly constructed to prevent any fresh concrete from entering a body of water. Dumping of concrete or washing of tools and equipment in any body of water is prohibited.
20. 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.
21. 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.
22. 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.
23. All waste materials resulting from this project must be disposed of at a site approved by the Department of Service NL.
24. Periodic maintenance such as painting, resurfacing, clearing of debris, or minor repairs, must be carried out without causing any physical disruption of any watercourse. Care must be taken to prevent spillage of pollutants into the water.
25. The owners of structures are responsible for any environmental damage resulting from dislodgement caused by wind, wave, ice action, or structural failure.
26. 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.
27. 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.
28. The attached Completion Report (Appendix B) for Permit No. 7941 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.
29. 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.
30. The location of the work is highlighted on the Location Map for this Permit attached as Appendix C.
31. All work must be carried out within the proponent's legal property boundaries.
32. Pictures must be submitted along with the completion report, showing the project site prior to and after development.

File No: **526.560-03**
Permit No: **ALT7941-2015**

cc: Dr. Amir Ali Khan, P. Eng.
Manager, Hydrologic Modelling Section
Water Resources Management
Environment and Conservation
P.O. Box 8700
4th Floor, West Block, Confederation Building
St. John's, NL A1B 4J8

cc: Mr. Jonathan Grandy
Manager, Crown Lands Western
Crown Lands Division
Dept. of Environment and Conservation
P.O. Box 2006
Corner Brook, NL
A2H 6J8

cc: Fisheries Protection Division
Ecosystem Management Branch
Fisheries and Oceans Canada
P.O. Box 5667
St. John's NL A1C 5X1



Government of Newfoundland and Labrador
Department of Environment and Conservation
Water Resources Management Division

Appendix B - Completion Report

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, Section(s) 48

Date: **MARCH 19, 2015**

File No: **526.560-03**
Permit No: **ALT7941-2015**

Proponent: **Newfoundland Power Inc.
47 Maple Valley Rd.
Corner Brook, NL A2H2Y6**

Attention: **Chad Parsons**

Re: **Replacement of 4 (four) existing electricity supply line poles in 1:20 and 1:100 flood zones of Humber River watershed**

Permission was given for : replacement of 4 (four) existing electricity supply line poles on both sides of Humber River in 1:20 and 1:100 years flood zones to upgrade the electrical service to the Humber Valley Resort, Division No. 5, NL with reference to application dated March 9, 2015.

I (the proponent named above or agent authorized to represent the proponent) 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

APPENDIX C
Location Map for Environmental Permit

