



Government of Newfoundland and Labrador
Department of Environment and Climate Change
Water Resources Management Division

PERMIT FOR DEVELOPMENT

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 39, 48

Date: **JULY 09, 2024**

File No: **550-01-02-07-000**

Permit No: **PRO13643-2024**

Permit Holder: **Newfoundland Power Inc.**
55 Kenmount Road, P.O. Box 8910
St John's, NL
A1B 3P6
[REDACTED]

Attention: **Jonathan O'Reilly**

Re: **Gander WSMC and Gambo - Gander Lake and Dark Cove Pond PPWSAs - Transmission Line Rebuild - Newfoundland Power Inc.**

Permission is hereby given for : **replacement of an existing 138 kV transmission line in the Gander Lake PPWSA and the Dark Cove Pond PPWSA (used by the communities of Gander, Glenwood, Appleton, and Gambo) with reference to the applications dated March 21, 2024.**

- 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 Climate Change under Section 49 of the *Water Resources Act*.

A handwritten signature in black ink, appearing to read "A. O'Reilly".

(for) MINISTER

GOVERNMENT OF NEWFOUNDLAND AND LABRADORS
Department of Environment and Climate Change

File No: **550-01-02-07-000**
Permit No: **PRO13643-2024**

APPENDIX A
Terms and Conditions for Permit

PPWSA General

1. 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.
2. 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.
3. All persons working on this project must be informed that they are within a Protected Public Water Supply Area, and must be made aware of all conditions of this Permit. A copy of this Permit must be on site during operations.
4. The attached Completion Report (Appendix C) for Permit No. 13643 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.
5. An undisturbed (no cutting or ground disturbance) buffer zone of at least **300 metres** shall be maintained around Gander Lake, at least **100 metres** around major lakes and ponds and along both sides of all streams and main tributaries running into Gander Lake, at least 50 metres around Soulis Pond, and at least **30 metres** around all ponds, and along both sides of all other water bodies including wetlands and field identified streams. Activity or development within these buffer zones is prohibited. All buffer zones must be marked with signs or flagging tape to avoid encroachment into the buffer zones.
6. An undisturbed (no cutting or ground disturbance) buffer zone of at least **150 metres** shall be maintained around Dark Cove Pond, at least **50 metres** around major lakes and ponds and along both sides of all streams and main tributaries running into Dark Cove Pond, and at least **30 metres** around all ponds, and along both sides of all other water bodies including wetlands and field identified streams. Activity or development within these buffer zones is prohibited. All buffer zones must be marked with signs or flagging tape to avoid encroachment into the buffer zones.
7. All waste material is to be collected in refuse containers, and disposed of at an approved waste disposal site outside the Protected Public Water Supply Area in accordance with the *Environmental Protection Act, SNL 2002 cE-14.2*.
8. Equipment storage, maintenance facilities associated with this project, and all maintenance other than emergency repairs must not be located/carried out within the Protected Public Water Supply Area.
9. The Department reserves the right to require that the Permit Holder follow, and cover all costs incurred by the Permit Holder or this department, associated with any water quality monitoring program that may be ordered by the Minister for the purpose of ensuring that the water quality is maintained within acceptable guidelines.
10. Officials of the Department and the appropriate Municipal Authority, Operator, or Watershed Management Committee may visit the site to ensure compliance with this Permit.

11. Liaison is to be maintained with the appropriate Municipal Authority and Environmental Scientist. If there are any specific problems (i.e. sedimentation, fuel spill, or other potential water quality impairment), the appropriate Town Manager/Clerk, Mayor, or Chair of the Water Supply Committee must be notified immediately at (709)651-5915 (Gander Lake PPWSA) and (709)674-4476 (Dark Cove Pond PPWSA). The Environmental Scientist must also be notified immediately at (709)292-4280.
12. The felling or disposing of trees, parts of trees, sawdust, bark, logging debris or slash into a water body or upon the frozen surface of a water body is strictly prohibited.
13. Motorized vehicles, including snowmobiles and ATVs, shall not be used to cross the frozen surfaces of Gander Lake or Dark Cove Pond, the intake ponds within their respective Protected Public Water Supply Areas.
14. Treated wood shall not be used in a water body or within buffer zones established in Conditions 5 and 6 of any water body measured from the high water mark. The use of creosote treated wood anywhere within a Protected Public Water Supply Area is strictly prohibited.
15. The Permit Holder must inspect the site daily, and any water quality impairment related problems are to be reported immediately to the Environmental Scientist at (709)292-4280 and the appropriate Municipal Authority or Watershed Monitoring Committee at (709)651-5915 (Gander Lake PPWSA) and (709)674-4476 (Dark Cove Pond PPWSA).
16. The location of the work is highlighted on the Location Maps for this Permit attached as Appendix D.
17. This Permit is valid for two (2) years from the date of issue. If required, an application for Permit renewal must be submitted prior to the expiry date.
18. Any changes in water quality resulting directly from this project, rendering the water unsuitable as a public water supply, are the responsibility of the Permit Holder. The Minister may order the Permit Holder to provide an alternate source of potable water to the affected community until water quality returns to an accepted level.
19. All vehicles and equipment must be in good working order with no leaking fuel, oil, or other harmful substances that could impair water quality.
20. All stationary motorized equipment and associated fuel tanks shall have metal trays, absorbent pads or impervious liners under them to catch and contain in excess of 110 % of the aggregate volume of any fuel, lubricant and oil.
21. Drainage from roads and other disturbed areas into any body of water must first be discharged into a settling pond, a vegetated area or pass through a sedimentation fence where all suspended material can settle out before draining into any body of water.
22. For any clearing inside buffer zones: no ground disturbance (no disturbance to the root mat, no grubbing, or removal of soil) shall take place in the buffer zones. The Permit Holder is to ensure that the appropriate best practices are employed to prevent any detrimental effects that could impact water quality. Where possible, work in buffer zones shall be completed when the ground is frozen.
23. Where permits, licences, approvals or authorizations are issued by multiple governments, departments, or agencies, in the case of similar conditions, the more stringent of those shall prevail; in the case of conflicting conditions, the Permit Holder shall seek clarification and direction in writing from each of the respective departments or agencies.

24. The Permit Holder is required to ensure that adequate sanitary (bathroom) facilities are available or provided on site. This may be in the form of a portable toilet, chemical toilet, pit privy (outhouse), sub-surface disposal system, or municipal sewer system. If a portable toilet or chemical toilet is used, the waste water must be disposed of in a septic disposal system approved by Service NL, or at an approved waste disposal site, outside the Protected Public Water Supply Area in accordance with the Environmental Protection Act, SNL 2002 cE-14.2. If a pit privy (outhouse) or sub-surface disposal system is used, it must be located outside the required buffers, and be subject to Service NL standards, requirements and approval.
25. The issuance of this permit does not guarantee, nor set precedent, that additional or similar permits or amendments will be issued in this or any other Protected Public Water Supply Area for additional or similar activity or development.

Power Lines

26. Wood and brush removed from the work site must not be stored within undisturbed buffer zones of any water body.
27. The use of creosote or pentachlorophenol (PCP) treated utility poles and/or anchor boxes is strictly prohibited.
28. Chromated copper arsenate (CCA), ammoniacal copper arsenate (ACA) or copper napthanate (CuNap) treated utility poles and/or anchor boxes may be used outside the above-referenced buffer zones. Untreated poles must be used within the above-referenced buffer zones.
29. All poles and/or anchor boxes within 300 metres of Gander Lake and 150 metres of Dark Cove Pond or within 30 metres of any water body must be of untreated wood, metal or concrete.
30. The **Policy for Treated Utility Poles in Water Supply Areas (WR 93-01)** must be strictly adhered to.

Fording

31. Except for single passenger all-terrain vehicles, crossings by other vehicles or construction equipment shall be limited to one trip in and one trip out.
32. Timbers or rocks shall be placed in streams to facilitate crossing or to minimize damage to the channel sections provided the streams are not unnecessarily constricted or backed up.
33. Alteration of the natural minimum streamflow is not permitted in order to preserve aquatic life.
34. Stream banks at fording sites that contain loose or erodible material must be adequately stabilized before crossing to minimize any siltation of streams. The natural course of any stream must not be altered.
35. 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.
36. The fording sites must be located at shallow sections of the channels where there are low approach grades, and where the channels consists of stable non-erodible rock or cobbles.
37. Fording shall only be carried out during periods of low water levels.
38. When the fording sites are no longer required, the Permit Holder must dismantle and remove all constructed works and restore the sites to their original condition. All material placed in streams must be completely removed.
39. Within 30 days after expiry of this Permit, the Permit Holder must submit to the department a report confirming that each fording location was left in as good or better condition than prior to Permit Holder's fording activities. This report should include detailed pictures of each site before and after project activities.

40. When the fording sites are no longer required, the Permit Holder must dismantle and remove all constructed works and restore the sites to their original condition. All material placed in streams must be completely removed. The following table provides a description of the fording site(s) included in the scope of work of this permit.

Stream Crossing	Description of Streambed	Amount of Vegetation	Channel Width (m)	Channel Depth (m)
146L - #1	Clay	Sparse	110.0	Unknown
146L - #2	Clay	Moderate	65.0	Unknown
146L - #3	Cobble	Moderate	190.0	0.50
146L - #4	Cobble	Moderate	240.0	Unknown
146L - #5	Cobble	Moderate	2.5	0.50
146L - #6	Cobble	Moderate	1.0	0.40
146L - #7	Cobble	Moderate	7.0	0.25

41. When the fording sites are no longer required, the Permit Holder must dismantle and remove all constructed works and restore the sites to their original condition. All material placed in streams must be completely removed. The following table provides a description of the fording site(s) included in the scope of work of this permit.

Stream Crossing	Description of Streambed	Amount of Vegetation	Channel Width (m)	Channel Depth (m)
146L - #8	Clay	None	20.0	Unknown (Deep)
146L - #9	Cobble	Moderate	1.6	0.13
146L - #10	Cobble	Moderate	29.0	0.35
146L - #11	Cobble	Moderate	2.5	0.30
146L - #12	Cobble	Moderate	2.5	0.15
146L - #13	Cobble	None	1.2	0.10
146L - #14	Clay and Cobble	None	1.4 - 15.0	0.40

General Alterations

42. Any work that must be performed below the high water mark must be carried out during a period of low water levels.

43. Any flowing or standing water must be diverted around work sites so that work is carried out in the dry.

44. 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*.

45. 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.

46. 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.

47. 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.
48. 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.
49. All waste materials resulting from this project must be disposed of at a site approved by the Department of Digital Government and Service NL.
50. 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.
51. The owners of structures are responsible for any environmental damage resulting from dislodgement caused by wind, wave, ice action, or structural failure.
52. 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.
53. 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.
54. All work must be carried out within the Permit Holder's legal property boundaries.

Fuel Storage

55. There shall be no bulk fuel storage associated with this project within the protected water supply areas. Fuel shall be brought to the operating area in no more than two (2) 205 litre barrels or one (1) 500 litre slip tank. The Permit Holder is hereby informed that fuel storage and handling requires a separate approval under the *Storage and Handling of Gasoline and Associated Products Regulations*, CNR 775/96.
56. Contaminated snow and soil must be removed from the site and disposed of at an approved location outside the protected public water supply area, in accordance with the *Environmental Protection Act, SNL 2002 cE-14.2*.
57. Any spills of gasoline, fuel or oil, regardless of volume, shall be reported immediately to the Environmental Scientist at (709)292-4280 and the appropriate Municipal Authority or Watershed Management Committee by calling (709)651-5915 (Gander Lake PPWSA) and (709)674-4476 (Dark Cove Pond PPWSA). Furthermore, all spills in excess of 70 litres shall be reported immediately to the 24 hour spill report line at 1-800-563-9089.
58. A complete oil spill clean-up kit must be on site at all times when gasoline or fuel powered equipment is being used or refuelled. The kit must contain the following:
 - One hand operated fuel pump
 - One recovery container such as an empty 205 litre drum
 - One shovel
 - One pick axe
 - Five metres of containment boom
 - Five absorbent pads
 - Twenty-five litres of loose absorbent material
59. Refueling sites shall be located at least 150 metres from any water body or wetland.

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Environment and Climate Change

File No: **550-01-02-07-000**
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APPENDIX B
Special Terms and Conditions for Permit

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. Trent Pollett
Environmental Scientist, Drinking Water
Water Resources Management Division
Department of Environment and Climate Change
3 Crommer Avenue
Grand Falls - Windsor, NL
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trentpollett@gov.nl.ca

cc: Ms. Deneen Spracklin, P.Eng.
Manager, Drinking Water and Wastewater Section
Water Resources Management Division
Department of Environment and Climate Change
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St. John's, NL A1B 4J6
dspracklin@gov.nl.ca

cc: Ms. Paula Dawe, P.Eng.
Manager, Water Rights, Investigations and Modelling Section
Water Resources Management Division
Department of Environment and Climate Change
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St. John's, NL A1B 4J6
pauladawe@gov.nl.ca

cc: Referrals WRMD
Water Resources Management Division
Department of Environment and Climate Change
Referrals_WRMD@gov.nl.ca

cc: Dave Mercer (Central)
Land Management Specialist
Crown Lands Administration Division
Department of Fisheries, Forestry and Agriculture
davemercer@gov.nl.ca

cc: Fish and Fish Habitat Protection Program
Aquatic Ecosystems Branch
Fisheries and Oceans Canada
P.O. Box 5667
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cc: Town of Gambo
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cc: Town of Glenwood
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Government of Newfoundland and Labrador
Department of Environment and Climate Change
Water Resources Management Division

Appendix C - Completion Report

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 39, 48

Date: **JULY 09, 2024**

File No: **550-01-02-07-000**
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Permit Holder: **Newfoundland Power Inc.**
55 Kenmount Road, P.O. Box 8910
St John's, NL
A1B 3P6
[REDACTED]

Attention: **Jonathan O'Reilly**

Re: **Gander WSMC and Gambo - Gander Lake and Dark Cove Pond PPWSAs -
Transmission Line Rebuild - Newfoundland Power Inc.**

Permission was given for : **replacement of an existing 138 kV transmission line in the Gander Lake PPWSA and the Dark Cove Pond PPWSA (used by the communities of Gander, Glenwood, Appleton, and Gambo) with reference to the applications dated March 21, 2024.**

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 Climate Change 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 Climate Change
Water Resources Management Division
PO Box 8700
St. John's NL A1B 4J6

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Environment and Climate Change

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APPENDIX D
Location Map for Permit

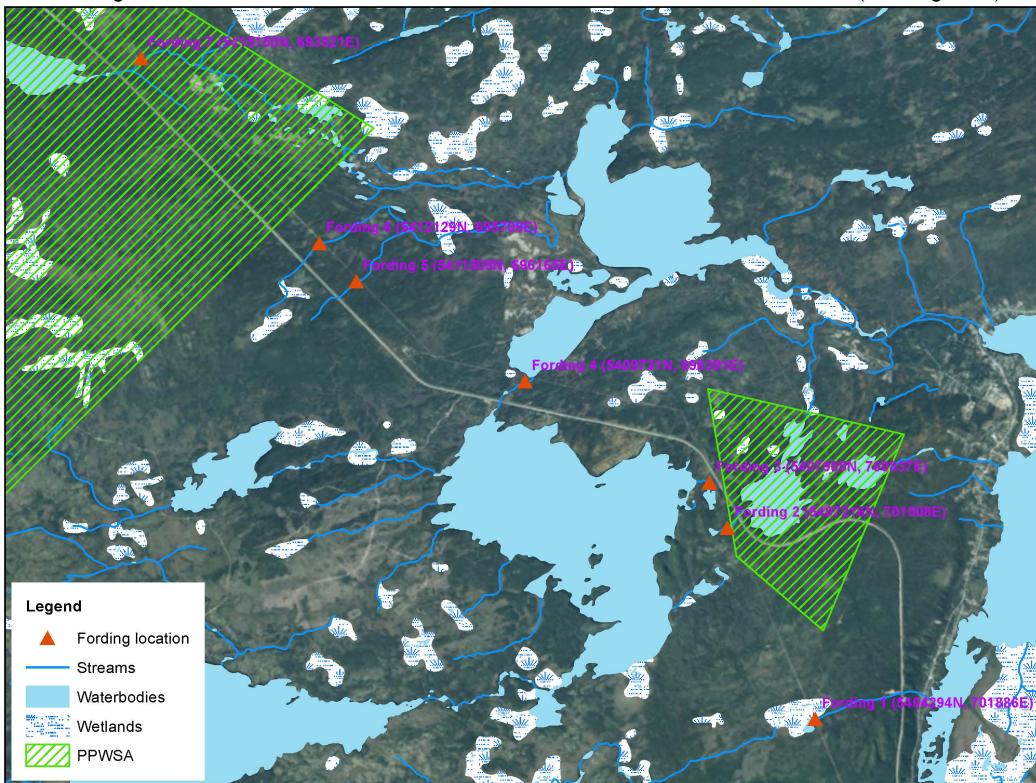


GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
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Second Attached Image File

Fording of streams for 146L Transmission Line Rebuild from Gander to Gambo (Fordings 1-7)



Third Attached Image File

Fording of streams for 146L Transmission Line Rebuild from Gander to Gambo (Fordings 8-14)

