



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

### AMENDMENT TO PERMIT

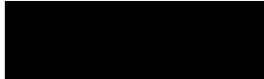
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Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 49

Date: **APRIL 08, 2021**

File No: **550-01-02-05-075**  
Permit No: **PRO11430-2020**  
Amendment No: **1**

Permit Holder:



Attention: **Neal Blackmore**

Re: **Gander WSMC-Gander Lake PPWSA-Mineral Exploration-Neal Blackmore**

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**The original Permit dated NOVEMBER 03, 2020 is amended as follows:**

Amendment and addition of terms or conditions as per Appendix A.

All other terms and conditions of the original Permit will apply and failure to comply with the terms and conditions of this amendment and the original Permit 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.

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

(for) MINISTER

**APPENDIX A**  
**Terms and Conditions for Amendment**

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**Amended Conditions**

30. All silt, sludge, sediment, cuttings, drilling additives, and drilling mud must be collected, properly disposed of and not permitted to flow freely over the ground into any receiving waterbody, including wetlands. A layered risk mitigation approach is required.
33. All boreholes shall be sealed with bentonite to prevent any artesian flow and the collar must to be removed at the end of the drilling season or end of the calendar year, whichever occurs first.
34. Fuel storage within the Protected Public Water Supply Area shall be limited to the amount of fuel required to drill each borehole up to the maximum noted below. Fuel shall be brought to the operating area in no more than two (2) new 205 litre drums, or one (1) CSA or ULC approved slip tank having a capacity of 500 litres. All fuel drums or slip tanks must be in good condition. Refueling sites shall be located at least 150 metres from any water body or wetland. Fuel drums or slip 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 fuel.

**Added Conditions**

38. The primary layer of risk mitigation, where physical conditions allow, shall consist of the construction of a temporary sump pit. The temporary sump pit shall be constructed on the down-slope side of the drill pad to collect discharge waters and to allow solids to settle out. In areas where it is physically impossible to dig a sump pit, a settling tank will be required. Performance of the sump pit or settling tank during operations and after heavy rainfall events should be monitored on an hourly basis and any issues reported to the Water Resources Management Division of this Department.
39. The secondary layer of risk mitigation shall consist of, but may not be limited to, some combination of additional temporary sump pits, sediment traps, interceptor ditches of sump pit runoff prior to discharge into any waterbody, settling tanks or constructed settling ponds. The design of secondary risk mitigation layers shall be approved by the Environmental Scientist prior to any development activity.
40. Material collected in a settling tank as part of a primary risk mitigation layer can be buried outside of the PPWSA or outside of any buffer zone within the PPWSA, if conditions are suitable.

41. Should an accumulated mass of material from the drilling activity be collected by either the primary or secondary risk mitigation layer, the accumulation shall be excavated and deposited in the sump pit prior to rehabilitation.
42. Prior to completion of the project, sump pits/trenches/test pits/any engineered excavation for the retention of sediment shall be rehabilitated appropriately. Rehabilitation may include backfilling of stockpiled materials such as subsoils and till, re-covering the backfilled site with stockpiled organic cover and any additional organic materials, seeding, or other measures.
43. All water used for washing trenches must not overflow or otherwise leave the trench and flow along the ground. Other runoff or effluent must not be discharged within buffer zones of a waterbody, including wetlands, nor in such a manner that it has a direct surface route back to a body of water.
44. The Permit Holder is required to provide this Department with all documents, information and data which may be requested or required in order to carry out an inspection or investigation.
45. The percentage of land disturbance from drill pad sites and trails in any sub-watershed within the PPWSA, as represented in the attached location map, must not exceed 5% of that sub-watershed area.
46. Once the drill program has been finalized and drill hole locations are known or further refined, an updated map with drill hole locations must be sent to the Environmental Scientist for review prior to the start of any drilling.
47. There shall be no re-injection of silt, sludge, sediment, cuttings, drilling additives, or drilling mud back into the drill hole.
48. In the case of an event that may impact drinking water quality, the Proponent's Contingency Plan shall be followed.
49. Where trenching is required, no trenching shall be carried out within 75 m of the banks of a waterbody or wetland within the PPWSA. Topsoil shall be removed and stockpiled prior to trenching in order to be used for surface re-vegetation of the reclaimed trench.
50. All storm runoff shall be diverted away from any engineered excavation for the retention of sediment (e.g. sump, sediment basin, or settling pond).

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