

## Richard Dwyer

---

**From:** Graham Gill [G.Gill@diamondsnorth.com]  
**Sent:** Monday, April 04, 2011 8:10 PM  
**To:** Kivi, Lyndon  
**Cc:** Jeff Mercer; Richard Dwyer; Kofi Boa-Antwi  
**Subject:** RE: DFO comments to NIRB Part 4 screening of Mallery Lake Project

Hi Lyndon;

Thank you for the response regarding our application to conduct exploration work on our Mallery Lake project located west of Baker Lake in Nunavut.

I have reviewed the Mineral Exploration Activities, Operational Statement and am requesting some clarification to the statement outlined on page 2 that states "no drilling with saltwater in permafrost conditions will occur".

As you may know the use of calcium chloride (salt) has been used exclusively in drilling operations in cold climates (especially in areas of permafrost) to reduce the freezing point of water used in drilling operations both currently and in the past and is a standard practice in all drilling operations in the north. As mentioned, the use of calcium chloride reduces the freezing point of the water used in drilling operations and virtually reduces the probability of drill rods being frozen in the ground which would result in the loss of the drill hole and possibly many (100's) of metres of drill steel left in the ground with no possible way to retrieve said material. All other portions of the Operational Statement will be abided to as done in the past. The main issue is the use of salt.

In all previous water licence and land use applications the use of calcium chloride has never been an issue and the DFO Notification Form is also something I have never encountered before.

I am requesting clarification to the use of salt while drilling in permafrost conditions and whether the Notification Form is part of the NIRB/NWB requirements to obtaining a Land Use Permit and Water Licence within Nunavut.

Any response to these questions from all parties concerned (INAC, NWB, NIRB) would be most welcome.

Thanks.

Graham Gill  
Consulting Geologist  
URANIUM NORTH RESOURCES CORP.

---

**From:** Kivi, Lyndon [<mailto:Lyndon.Kivi@dfo-mpo.gc.ca>]  
**Sent:** March-22-11 8:56 AM  
**To:** Graham Gill  
**Subject:** DFO comments to NIRB Part 4 screening of Mallery Lake Project

Hello Graham,

Attached are the DFO comments to NIRB for the Part 4 Screening of Uranium North Resources Corp's Mallery Lake Project.

Lyndon

<<NU-11-0004 DFO comments to NIRB Mallery LK Project Uranium North.pdf>>

**Lyndon Kivi**  
**Area Habitat Biologist**

Eastern Arctic Area  
Fisheries and Oceans Canada  
Government of Canada

**807-468-6441 (ext) 29**

Fax: 807-468-6973

1100 3rd Ave. S.

P. O. Box 649

Kenora, ON P9N 3X6

[lyndon.kivi@dfo-mpo.gc.ca](mailto:lyndon.kivi@dfo-mpo.gc.ca)