



NWB Tools

Ida Porter <ida.porter@nwb-oen.ca>

Fwd: Ground Water, Meladine Project

Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Fri, May 27, 2016 at 10:20 AM

To: Ida Porter <ida.porter@nwb-oen.ca>

Please copy this under the Inspection.



Karén Kharatyan, Ph. D- ԵՂՁ ԵՏՈՅՁ

Technical Advisor- Conseiller Technique

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NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT

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From: **Christine Wilson** <Christine.Wilson@aandc-aadnc.gc.ca>

Date: Mon, Apr 25, 2016 at 3:49 PM

Subject: Ground Water, Meladine Project

To: karen.kharatyan@nwb-oen.ca

Cc: Erik Allain <Erik.Allain@aandc-aadnc.gc.ca>

Hey Karen,

As mentioned during the call I am concerned with the underground water being used at the Meliadine project. My understanding from our recent inspection was that AEM has cut off the surface water intake currently to use water encountered underground. This water is from a combination of sources, fresh ground water, freshet water, saline rich water and seepage.

I was hoping to flag this to the NWB and get a better clearer understanding of a use of water.

The current activity taking place under ground is, water is being used for drill/blasting and dust suppression. When a fresh water pocket is encountered it is capped or grouted with some of the water running off during the process and collecting in the water collection system to be re-circulated and used. Alternatively, some times, when a pocket of fresh water is struck it is tapped and used.

The biggest issue with asking them to meter the water as it is used is recording re-circulated water, in flow saline water and seepage water as one total. I am not very clear if the fresh water pocket is used directly from the tap or if it is allowed to drain onto the floor and then is collected in the water collection system and used.

Please clarify if and where the water would need to be metered, would it be more appropriate at the source or when it is pumped from the underground to the surface keeping in mind the activity of pumping to the surface is not approved yet and would fall under the 2AM-MEL licence.

Christine

Christine Wilson

Water Resource Officer | Agent des ressources hydriques
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