



NWB Tools

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

Re: Mary River Project - Notification of Snowmelt and Sedimentation Event Sheardown Lake Tributary

Justin Hack <Justin.Hack@aandc-aadnc.gc.ca>

Tue, May 10, 2016 at 11:33 AM

To: "Bathory, Stephen" <SWBathory@qia.ca>, "Didham, Curtis (EC)" <curtis.didham@canada.ca>, "Millard, Jim" <jim.millard@baffinland.com>, "Williston, Georgina" <Georgina.Williston@dfo-mpo.gc.ca>

Cc: "Allain, Erik" <Erik.Allain@aandc-aadnc.gc.ca>, "Burlingame, Todd" <Todd.Burlingame@baffinland.com>, "Butler, Jennifer St. Paul" <jennifer.stpaulbutler@baffinland.com>, "Knight, Allan" <Allan.Knight@baffinland.com>, "Laflamme, Bernard" <Bernard.Laflamme@baffinland.com>, "Paul, Bikash" <bikash.paul@baffinland.com>, licensing@nwb-oen.ca

Good afternoon Mr Millard,

Thank you for submitting this report as your duty to report a deposit as required under section 12 (3) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*.

However, you must still fulfill your obligations under section 16 (1) of the *Nunavut Water Regulations*, and under Part H, Item 9 and Item 10 of Baffinland Iron Mines Corporation Water Licence 2AM-MRY1325.

A Water Licence inspection is planned to be completed at the Mary River site May 18-20, 2016 and this discharge will be followed-up on. Please take every measure to prevent further discharges of unauthorized wastes to water and exercise your rights to implement measures to prevent wastes associated with this project from entering water, as outlined in Part H, Item 11 of Water Licence 2AM-MRY1325. Further enforcement measures may be implemented during the inspection if more remedial measures are required to manage this and related discharges of waste if there is reasonable grounds that the adverse effects of the deposit are causing, or may cause a danger to persons, property or the environment, under section 87 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*.

Regards,

Justin

Justin Hack, BScH, MREM
Water Resource Officer
Indigenous and Northern Affairs Canada
Iqaluit, NU X0A 0H0
Nunavut Regional Office
Tel: 867-975-4517

Justin.Hack@aandc.gc.ca

>>> Jim Millard <jim.millard@baffinland.com> 5/9/2016 10:01 PM >>>

Good evening,

On Saturday evening, May 7, 2016, a snowmelt event occurred at the Mine Site which caused runoff containing some discoloured water / sediment to flow to Sheardown Lake. At this time, Sheardown Lake remains ice covered and there are no fish yet in Sheardown Lake Tributary. Much of the discharge ended up on top of the ice with some discharge to the near shore area of the lake where there is currently land fast ice. The source of the drainage appears to be from an area adjacent to the Crusher Pad area, possibly from snow drifts containing embedded windblown dust. The event resulted in some discoloured water / siltation to two streams flowing from adjacent areas. In accordance with the Surface Water and Aquatic Ecosystems Management Plan, controls were implemented that include installation of silt fences and the deployment of flocculent and treated jute. Once the ice recedes from the shoreline of Sheardown Lake, near-shore silt curtains will be installed in areas of potential discharge. Removal of snow drifts containing entrained dust using mechanical equipment is also currently being considered based on access and ability to operate equipment in those locations. Other possible measures include the construction of check dams and sumps to assist in the settling of sediments from the discharge. Baffinland Site Operations are supporting the Environment Department as required with the necessary resources to quickly and efficiently deal with this situation.



Sheardown Lake Tributary into Sheardown Lake, view downstream.



Looking upstream prior to discharge to Sheardown Lake. Flocculent blocks installed in the stream to help settle out sediment.

Samples have been collected of discharge water and daily monitoring is ongoing including water quality for the purpose of tracking improvements to the situation. A more detailed follow-up report will be provided within the next week and include available monitoring results, photos, and map showing the drainage where the incident occurred as well as recommendations to address this situation. In the meantime, please do not hesitate to contact me or Allan Knight, Environmental Superintendent, should you have any questions regarding this incident at the contact numbers below.

Kind Regards,

Jim



Jim Millard | Environmental Manager

2275 Upper Middle Road East, Suite 300, Oakville, ON, Canada, L6H 0C3

T: +1.416-364.8820 x6016

C: +1.902.403.1337

www.baffinland.com

"This e-mail transmission, and any attached file, is intended solely for the addressee. It may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, you must not copy or distribute it. Privilege is not waived by reason of mistaken delivery to you. If you have received this e-mail in error, please notify the sender and delete the e-mail transmission immediately.

Connections via the Internet are not secure unless otherwise stated. Baffinland accepts no liability whatsoever for loss or damage in relation to this e-mail. We reserve the right to monitor, retain and/or review any e-mail or attachment entering or leaving our systems from any source without prior notice"