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• 090408 2AM-DOH0713-NoticeofModification.pdf



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April 8, 2009

Nunavut Water Board PO Box 119 Gjoa Haven, NU X0B 1J0

Attention:

Ms. Dionne Filiatrault, Executive Director

Ms. Phyllis Beaulieu, Manager of Licensing

Dear Sirs and Mesdames:

## Water Licence 2AM-DOH0713 - Notice of Modification

The purpose of this letter is to provide notification, under Part H of the Water Licence, respecting a proposed modification of the water treatment system at the Doris Camp.

HBML is planning to modify the potable water treatment system at the Doris Camp to treat for blue-green algae from Doris Lake source water so that the water is potable and protective of human health and safety. Details of the proposed modifications are attached.

With respect to Part H of the Water Licence, we can confirm compliance as follows:

- (a) this letter provides notification to the Board (we ask that the 60 day timeline be reduced in these circumstances if necessary);
- (b) the modification does not place HBML in contravention of the Licence or the Nunavut Waters and Nunavut Surface Rights Tribunal Act; and
- (c) the modification is consistent with the NIRB Project Certificate.

Please confirm that this notice of modification meets your requirements.

Singerely yours,

Chris Hanks

Director, Environmental and Social Responsibility

Hope Bay Mining Ltd.

## PROPOSED MODIFICATIONS TO THE DORIS CAMP POTABLE WATER TREATMENT SYSTEM

- Install a 2 inch intake line to separate potable water intake from the fire water intake.
- Install a 10 gallon per minute pump.
- Install flushable microscreens to remove algae and TSS found in Doris Lake water.
- Sediments removed from water will be processed through the Doris sewage treatment plant.
- Filtered water will go into an ozone bubbling tank to break down microcystin toxins.
- Ozone treated water will then pass through a granulated charcoal filter.
  - o Spent filters will be sent off site to a qualified facility.
- Carbon filtered water will go into a storage tank.
- Prior to distribution the water will be filtered one final time through a 1 micron filter.
  - o Spent filters will be sent off site to a qualified facility.