



December 16, 2010

Our reference
File #9545-2-1.2BE.HOPA
CIDM #438255

Sent by email: licensing@nunavutwaterboard.org

Your reference
2BE-HOP0712/TR/D25

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
Gjoa Haven, Nunavut
X0E 1J0

**Re: Nunavut Water Board Licence #2BE-HOP0712, Hope Bay Mining Ltd.,
Hope Bay Regional Exploration Project, Kitikmeot Region, Revised
Quarry A, B, and D Management and Monitoring Plan**

Dear Phyllis,

Thank you for your December 1, 2010 request for written representations on the above referenced submission.

A Technical Review Memorandum is provided for the Board's consideration.

Please do not hesitate to contact me by telephone at 867 975-4555 or email at david.abernethy@inac-ainc.gc.ca to discuss this submission.

Regards,

David W. Abernethy
Water Resources Regional Coordinator
Operations Directorate
Nunavut Regional Office
Iqaluit, Nunavut
X0A 0H0

Encl.

c.c.: L.A. Cornacchio, Water Resources Manager
P. Kusugak, Field Operations Manager

Technical Review Memorandum

TO Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board

OUR REFERENCE
File #9545-2-1.2BE.HOPA
CIDM #438255

FROM David Abernethy
Water Resources Regional Coordinator
Indian and Northern Affairs Canada

YOUR REFERENCE
2BE-HOP0712/TR/D25

DATE
Dec. 16/10

SUBJECT Nunavut Water Board Licence #2BE-HOP0712, Hope Bay Mining Ltd., Hope Bay Regional Exploration Project, Kitikmeot Region, Revised Quarry A, B, and D Management and Monitoring Plan

A. PROJECT DESCRIPTION

On Dec. 1/10 the Nunavut Water Board (NWB or Board) provided notification that a revised Quarry A, B, and D Management and Monitoring Plan was submitted by Hope Bay Mining Ltd. pursuant to Part D, Item 25 of Water Licence 2BE-HOP0712. The NWB requested interested parties to review this submission and provide written representations by Jan. 1/10.

The Hope Bay Regional Exploration Project's water licence was amended on Aug. 24/10 (Amendment No. 4) to allow for the discharge of water from three (3) quarries (A, B, and D) that have been used for the construction of an all-weather access road which connects the Doris and Windy Camps. The submission of a revised Quarry Management and Monitoring Plan is a condition of the licence amendment.

B. RESULTS OF REVIEW

On behalf of the Indian and Northern Affairs Canada Water Resources Division I am providing the following comments / recommendations for the Board's consideration,

1. General Observations

The revised Quarry Management and Monitoring Plan appears to meet the requirements specified in Part D, Item 25 of Amendment No. 4 to the project's water licence. Monitoring data produced in accordance with this plan will be reviewed as it is made available.

2. Discharge of Quarry Effluent

Section 3.2.3 of the submitted plan states,

In the event that the field or laboratory measurements exceed the specified effluent quality limits and discharge is still required, the preferred interim contingency measure is to use a vacuum truck to remove sump water which will then be used to water down the road construction taking care not to discharge the water onto the road surface near stream crossings or any fish bearing waters.

It is recommended that the Board's approval be required for any discharge of quarry effluent that doesn't meet licensed effluent quality limits. A written request to allow the discharge of such effluent should be submitted. This request should include a summary of efforts made to determine what caused the noted exceedence(s), the quantity of effluent to be discharged, and proposed actions/ mitigation measures to prevent negative impacts to water sources when the effluent is released and future re-occurrences of quarry effluent that does not meet licenced effluent quality limits.

Prepared by David Abernethy

c.c.: L.A. Cornacchio, Water Resources Manager
P. Kusugak, Field Operations Manager