



Our reference
File #9545-2-1.1BR.ROBA
CIDMS #408314

June 3, 2010

Richard Dwyer
Licensing Administrator
Nunavut Water Board
Gjoa Haven, Nunavut X0E 1J0

Your reference
1BR-ROB0813/TR/E12

Sent Via Email

Dear Richard,

**Subject Water License #1BR-ROB0813TR/E12, Indian and Northern
Affairs Canada Contaminated Sites Program, Roberts Bay and
Ida Bay Mine Site Remediation Project, Kitikmeot Region,
Submission of Tailings Freezeback Report**

Please be advised that on behalf of Indian and Northern Affairs Canada, I have completed a review of the above referenced Indian and Northern Affairs Canada Contaminated Sites Program submission to the Nunavut Water Board.

A Technical Review Memorandum (attached) is provided to the Board for consideration.

Should you have any questions regarding this submission, feel free to contact me at 867 975-4555 or david.abernethy@inac-ainc.gc.ca.

Regards,

David W. Abernethy
Water Resources Regional Coordinator
Operations Directorate, Nunavut Regional Office
Indian and Northern Affairs Canada
Iqaluit, Nunavut X0A 0H0

Attached.

Cc: Lou-Ann Cornacchio, INAC Water Resources Manager
Peter Kusugak, INAC Field Operations Manager
Melissa Joy, INAC Water Resource Officer

TECHNICAL REVIEW MEMORANDUM

Date: May /10

To: Richard Dwyer, Nunavut Water Board

From: David Abernethy, Indian and Northern Affairs Canada

Re: **Water License #1BR-ROB0813/TR/E12, Indian and Northern Affairs Canada Contaminated Sites Program, Roberts Bay and Ida Bay Mine Site Remediation Project, Kitikmeot Region, Submission of Tailings Freezeback Report**

A. PROJECT DESCRIPTION

On May 10/10 the Nunavut Water Board (NWB or Board) distributed the Mar. 5/07 EBA Engineering memo that was prepared for the Indian and Northern Affairs Canada Contaminated Sites Program (INAC–CSP). This memo, referred to as the Tailings Freezeback Report was submitted pursuant Part E, Item #12 of the Roberts Bay and Ida Bay Mine Site Remediation Project License, #1BR-ROB0813. The NWB requested representations from interested parties by June 10/10.

Part E, Item #12 of the License states,

“The Licensee shall submit to the Board for approval, within sixty (60) days of License issuance, a Tailings Freezeback Report including data that demonstrates the likelihood of freezeback permafrost conditions within the tailings.”

B. RESULTS OF REVIEW

On behalf of the Indian and Northern Affairs Canada Water Resources Division, I have reviewed the submitted Tailings Freezeback Report and have the following comments / recommendations for the Board's consideration,

- To facilitate future reviews, it is suggested that a cover letter accompany submissions identifying the License conditions pertinent to the submission.
- Part E, Item #11 of the License requires INAC–CSP to submit a Quarry Management Plan to the Board for approval before engaging in any quarrying activity. There does not appear to be a Quarry Management Plan available for review on the NWB's online public registry. If quarrying activities have occurred during the 2009 tailings pond remediation or to provide cover material or for any other reason, INAC-CSP should notify

and provide the Board with details of the quarrying activity along with the above-referenced Plan as required by the License.

- INAC–CSP's Mar 4/10 2009 Annual Report submission states that the tailings pond has been remediated through the construction of a non-hazardous waste landfill overtop in its cover design. INAC–CSP is required to submit as-built drawings for this remediation work to the Board as per Part E, Item #15 of the License.

Prepared by David Abernethy

Cc: Lou-Ann Cornacchio, INAC Water Resources Manager
Peter Kusugak, INAC Field Operations Manager
Melissa Joy, INAC Water Resource Officer