



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

ᓄᓇᓂᓪ ᐃᓕᓕᓂᓂᓪ ᑲᓂᓕᓂᓂᓪ

NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

By Email

June 5, 2003

Mr. John Knapp
Site Manager
Teck Cominco Ltd., Polaris Operations
P.O. Box 188
Resolute Bay, NU
X0A 0E0

Subject: License NWB1POL0311
Polaris Mine Landfill Operation Protocol

Dear Mr. Knapp,

On May 29th, 2003, the Nunavut Water Board ("NWB") met in Yellowknife to, among other things, review TeckCominco Limited's ("TCL") Landfill Operation Protocol ("Protocol") for the Polaris Mine.

In considering TCL's submission, the NWB and Indian and Northern Affairs ("INAC") examined the Protocol itself, a peer review of the Protocol conducted by BGC Engineering and a list of recommendations submitted by Environment Canada, Iqaluit.

The NWB and INAC conditionally approve the plan provided that TCL addresses the following items:

- That TCL present data which predicts the future subsidence of the Reclamation Landfill, or proves that subsidence is completed. This concern should be addressed in the Geotechnical Inspector's annual report as outlined in Part H, Item 6 of Licence NWB1POL0311.
- That TCL provide assurance which demonstrates that the mine workings under the Reclamation Landfill have been sufficiently supported or backfilled to prevent further subsidence. This concern should be addressed in the Geotechnical Inspector's annual report as outlined in Part H, Item 6 of Licence NWB1POL0311.
- That the cover for the Reclamation Landfill be built to a height that promotes drainage and avoids water ponding despite any possible future subsidence. This information should be presented as part of the final engineered cover design to be submitted to the NWB and INAC for approval as outlined in Part F, Item 1 of Licence NWB1POL0311.
- That TCL provide NWB and INAC with a record of materials (preferably in a digital form), including their approximate coordinates and elevation, being placed in LRD at the time of landfill closure. The record of materials disposed of should be submitted quarterly as an attachment to the expenditure reports/reclamation summaries that are outlined in Part B, Item 3 of Licence NWB1POL0311.
- That any concentrate or tailings removed from the debris during cleaning be treated and disposed of correctly
- That TCL ensure that any fill used in the landfills be non-acid generating and free of fines

- That TCL provide an estimate of how much rock material from LRD may be moved in order to construct the drainage notch, as well as notify the NWB and INAC of the location where the waste rock will be disposed prior to its disposal.

Please contact the undersigned should you have questions about this approval.

Sincerely,

Original signed by:

Philippe di Pizzo
Executive Director
Nunavut Water Board

Carl McLean
Manager, Land Administration
Indian and Northern Affairs Canada

c.c. Distribution List