



Indigenous and
Northern Affairs Canada

Affaires autochtones
et du Nord Canada

Water Resources
Nunavut Regional Office
P.O. Box 100
Iqaluit, NU, X0A 0H0

March 15, 2017

Your file - Votre référence
8BC-JER----
Our file - Notre référence
CIDM# 1138435

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0A 1J0

Re: 8BC-JER---- – Indigenous and Northern Affairs Canada Contaminated Sites Program – Jericho Diamond Mine Site Stabilization Plan – New Water Licence Application

Dear Manager of Licensing;

Thank you for your email received on February 15, 2017, concerning the above mentioned water licence application process.

A memorandum is provided for the consideration of the Nunavut Water Board . Comments have been provided pursuant to the Department's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

Please do not hesitate to contact me by telephone at 867-975-4282 or email at ian.parsons@aandc-aadnc.gc.ca for further comments or questions.

Sincerely,

Ian Parsons

A/Manager Water Resources

c.c Erik Allain, Manager of Field Operations – INAC, NRO

Re: 8BC-JER---- – Indigenous and Northern Affairs Canada (INAC) Contaminated Sites Program – Jericho Diamond Mine Site Stabilization Plan – New Water Licence Application

A. Results of Review

1) Water quality of the open pit

Comment: The Applicant will be expediting the filling of the open pit at Jericho by removing C1 diversion and letting stream C1 naturally flow into the open pit. This will significantly reduce the pit refilling time.

The Applicant states that “pit water will be monitored as the water level increasesto ensure pit lake outflow does not negatively impact Carat Lake”.

The proposed mitigation measure, if pit water quality is over specified limits, is to route the outflow through shallow ponds and wetlands to provide further treatment before reaching Carat Lake.

Recommendation: INAC Water Resources recommends that if water quality criteria are not met within the pit prior to discharge/outflow the applicant should implement active treatment of the pit water before release into the environment.