

16 December 2005 VE51295-1000

Ref: Jericho Water Licence NWB1JER0410

Nunavut Water Board Box 119 Gjoa Haven, Nunavut X0E 1J0 Nunavut Water Board JAN 0 4 2005 Public Registry

Via E-Mail

Attention: Joe Murdock

Re: Tahera Diamond Corporation, Jericho Freshwater Intake Causeway

Dear Mr. Murdock,

AMEC is pleased to provide the Nunavut Water Board with a response to issues raised on your e-mail dated 9 December 2005 and our telephone conversation of that date.

Pumping Rate for Intake and Impingement of Fish

In their 10 June 2005 response to government comments on the causeway design, under DFO Comments, Tahera Diamond Corporation (Tahera) noted that the pumping rate of 100 m³/hour is based on zero head and zero friction loss and is the theoretical maximum rate. With 50 m of head and 2000 m of pipeline friction losses, the actual pumping rate is between 35 and 40 m³/hour. Hatch provided supplemental information on the intake screen size on stamped calculation sheets dated 13 July 2005 and included in the Tahera 15 July 2005 supplemental information. The intake pumping rate and screen design to DFO guidelines were reconfirmed in the July 15 2005 supplemental information prior to the NWB approval. These issues were satisfactorily resolved in the 15 July 2005 responses.

Pumping Rating Curves

A request was made by NWB (28 July 2005) for a rating curve for the intake pump. Pumping rate curves are a normal part of commissioning and rating curves will be provided to NWB when the pumps are commissioned for full service. It should be noted, that until the diamond plant is operational, pumping of fresh water will be limited and well below the maximum because of the limited requirement for water. Thus it will not be possible to develop full rating curves including maximum pumping rates from actual pumping data until that time.

Turbulence from Water Intake

A verbal concern was expressed by Joe Murdock that the intake pipe could cause turbulence, the concern presumably being that sediment could be suspended by the turbulence. With respect to lake bottom sediments where the intake is located, comment was provided by SRK in their 15 July supplemental report and is quoted below for reference:

AMEC Earth & Environmental 2227 Douglas Road, Burnaby, BC Canada V5C 5A9 Tel +1 (604) 294-3811 Fax +1 (604) 294-4664 www.amec.com Tahera Diamond Corporation Freshwater Intake Jericho Diamond Mine 16 December 2005

Closing

We trust this information addresses the Nunavut Board's remaining concerns. Please contact the undersigned should you require further clarification.

Yours truly,

Bruce Ott

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/bo

c: G. Missal, Tahera Diamond Corporation

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Water intake pipe prior to installation showing the footing to support the pipe above the lake bottom