



**Stantec**

**Stantec Architecture Ltd.**  
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August 14, 2012  
File: 144901612

**Nunavut Water Board**

P.O. Box 119  
Gjoa Haven, NU  
X0B 1J

**Attention: Phyllis Beaulieu, Manager of Licensing**

Dear Phyllis:

**Reference: Rankin Inlet Water Licence Amendment Application 3AM-GRA1015 Summary**

On behalf of the Government of Nunavut, Community and Government Services, we are pleased to submit the following Water Licence Amendment Request. Stantec provided engineering services for the design of a new intake and pipeline to seasonally replenish Nipissar Lake. Currently water is withdrawn from Nipissar Lake year round and is beginning to exceed natural replenishment / recharge. Therefore, the proposed project allows for additional water to be withdrawn from the river exiting Lower Landing Lake and pumped to Nipissar Lake each summer.

The proposed project and changes are summarized as follows:

- Project area is located at the following UTM Coordinates:
  - Intake Location – 15V 543220 m E 6970253 m N
  - Outlet Location – 15V 545372 m E 6967049 m N
- New prefabricated and mobile intake pump for seasonal pumping to Nipissar Lake;
- New 250mm diameter non-insulated HDPE pipeline for seasonal use;
- Source water remains to be Nipissar Lake; seasonal recharge to Nipissar Lake from Lower Landing Lake outlet river;
- Total annual water withdrawal from Nipissar does not change (850,00 m<sup>3</sup> annually at peak);
- Seasonal withdrawal flow rate from river for Nipissar recharge is 700 LPM;
- No water is discharged back to the Lower Landing Lake or outlet river.

The proposed schedule for the project is as follows, actual schedule will be proposed by contractor:

- Summer Construction Completion September 2012
- Winter Construction Completion November 2012 – March 2013
- Final Construction Completion June 2013

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We trust that the attached documents meet your requirements at this time and request that the water licence amendment be issued accordingly. If you require any further information or have questions, please do not hesitate to contact me.

Respectfully,

**STANTEC ARCHITECTURE LTD.**

A handwritten signature in black ink, appearing to read 'A. Foster', with a long horizontal flourish extending to the right.

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