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Aboriginal Affairs and Northern Development Canada
Affaires autochtones et Développement du Nord Canada

Water Resources Division
Nunavut Regional Office
Iqaluit, NU
X0A 0H0

NWB File: 3AM-GRA1015
CIDMS #: 474552

July 29, 2011

Re: 3AM-GRA1015 – Design of Pipeline System to Augment Natural Replenishment of Nipissar Lake – Hamlet of Rankin Inlet.

Please be advised that the Water Resources Division of Aboriginal Affairs and Northern Development Canada (AANDC) have completed a review of the Design Pipeline System to Augment Natural Replenishment of Nipissar Lake for water license 3AM-GRA1015 prepared by FSC Architects and Engineers on behalf of the Government and Community Services, Government of Nunavut, Hamlet of Rankin Inlet. The NWB circulated the Design pipeline System for comments on June 30, 2011. All documents related to the application posted on the NWB ftp site under 3AM-GRA1015 were included in my review (See attached Technical Review Memo).

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4282 or by email at Ian.Parsons@aandc-aadnc.gc.ca.

Sincerely,

Original signed by

Ian Parsons
Regional Coordinator

Technical Review Memorandum

To: Phyllis Beaulieu – Manager of Licensing, Nunavut Water Board

From: Ian Parsons – Regional Coordinator, Aboriginal Affairs and Northern Development Canada.

Re: 3AM-GRA1015 – Design of Pipeline System to Augment Natural Replenishment of Nipissar Lake – Hamlet of Rankin Inlet.

Background

The Hamlet of Rankin Inlet has a population of approximately 2,500 and is located on the Western Shore of Hudson Bay in the Kivalliq Region of Nunavut. During the water license renewal process it was discovered that the Hamlet of Rankin Inlet was using more water than was being replenished into Nipissar Lake (the water supply for the Hamlet), effectively drawing down the lake.

As a result a number of options to augment the Nipissar Lake Water Supply were discussed, from discussions with the various stakeholders it was decided that a second lake, namely First Landing Lake, would be used to augment the replenishment rate to Nipissar Lake, ensuring that the Hamlet would have a yearly water supply.

Recommendations/Comments

AANDC recommends that sediment and erosion control measures be implemented prior to and maintained during the construction and operation of the overland pipeline to prevent entry of sediment into water.

AANDC recommends that the Licensee and/or any contractor hired on behalf of the Licensee undertake appropriate corrective measures to mitigate impacts on surface drainage resulting from the licensee's operations.

AANDC recommends that the Licensee submit an updated Operation and Maintenance Plan along with an updated Spill Contingency Plan upon the completion and commissioning of the overland pipeline. These plans should address this pipeline's installation.

The proponent should undertake all recommendations provided above.

Cc. David Abernethy, A/Manager of Water Resources – Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office
Andrew Keim, Water Resources Officer - Field Operations – Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office