



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

Your File: 3BM-BAK9904
Our File: 9545-2-4BAKG
CIDM's #: 353416

September 11, 2009

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

**Re: Renewal Application for Type 'B' Water Licence (3BM-BAK9904) –
Nunami Jacques Whitford Limited on behalf of the Hamlet of Baker
Lake**

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the Hamlet of Baker Lake's application for the renewal of the expired licence (3BM-BAK9904) for water use and waste disposal activities. See attached Technical Review Memo for your consideration in the approval of this renewal.

Please feel free to contact me should you have any questions or comments. I can be reached at (867) 975-4568 or by email at Ian.Rumbolt@inac-ainc.gc.ca.

Sincerely,

Original signed by

Ian Rumbolt
Regional Coordinator



Technical Review Memo

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

From: Ian Rumbolt – Regional Coordinator, Indian & Northern Affairs Canada

**Re: Renewal Application for Type ‘B’ Water Licence (3BM-BAK9904) –
Nunami Jacques Whitford Limited on behalf of the Hamlet of Baker
Lake**

Comments/Recommendations:

General

- 1) The Board should require the hamlet, as part of the renewed license conditions, to post signs at the potable (raw) water, sewage effluent and landfill leachate sampling locations as part of the Surveillance Network Program (SNP) (this same condition is part of the expired licence 3BM-BAK9904).
- 2) Operation and Maintenance (O&M) manuals, Spill Contingency (SCP), and Abandonment and Restoration (A&R) plans must be required by the renewed license and submitted for the water supply, solid waste landfill and sewage lagoon. Any existing plans and manuals should be updated to reflect the changes and modifications to the current, expired, water licence.

Solid Waste/ Hazardous Waste Disposal

- 1) It was noted in the INAC 2009 Inspection Report that there is an issue with segregation of materials in the solid waste landfill and metal waste area. The Hamlet must do a better job of segregating general garbage from hazardous materials, and scrap metal/bulky wastes.
- 2) Hazardous materials (i.e. waste oils, batteries, unknown materials/liquids) should be stored in an area that is lined and designated for this type of storage. It was noted in the Supplementary Questionnaire that there is a portion of the bulk waste area designated for the storage of hazardous wastes. However, it was noted in the 2009 INAC Inspection Report that hazardous wastes were found in both the municipal solid waste and the bulky (metal) waste areas. This is an unacceptable practise that should not be continued.



Sewage Disposal

- 1) Breaches in the berms which cause spills of sewage effluent are unacceptable. The material spilled due to berm breaches allow for improperly treated sewage being discharged to wetlands (i.e. not sufficient retention time). The Board should impose a condition that requires the Hamlet to engage the services of an engineer with appropriate expertise to examine the berms, make recommendations for repairs and then certify the structural integrity upon completion of any repairs. This could be a requirement of any Compliance Plan. The repair of the current berms could be thought of as an interim measure until the construction of the new lagoon system is completed.
- 2) The Board should consider requiring the installation of fencing around the perimeter of the lagoon to prevent access by animals and humans.

Cc. Kevin Buck, Manager of Water Resources – Indian & Northern Affairs
Canada, Nunavut Regional Office