



June 11, 2014

Your file - Votre référence
3BM-ARC0810

Our file - Notre référence
IQLAUIT-#805296

Phyllis Beaulieu
Licensing Administrator Assistant
Nunavut Water Board
GJOA HAVEN, NU X0E 1J0

**Re: Aboriginal Affairs and Northern Development Canada Review of the Hamlet of Arctic Bay's
Application to Renew Water Licence #3BM-ARC0810**

Dear Ms. Beaulieu:

Thank you for your email of May 12, 2014, concerning the above mentioned application. A memorandum is provided for the Board's consideration. Comments and recommendations have been provided pursuant to Aboriginal Affairs and Northern Development Canada'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 867-975-4555 or email at david.abernethy@aandc-aadnc.gc.ca for further information.

Sincerely,

David Abernethy
Regional Coordinator
Water Resources Division
Resource Management Directorate
Aboriginal Affairs and Northern Development Canada
IQALUIT, NU X0A 0H0

Encl.

c.c.: Murray Ball, Manager of Water Resources, AANDC Nunavut
Eva Paul, A/Manager of Field Operations, AANDC Nunavut

Memorandum

To: Phyllis Beaulieu, Nunavut Water Board

From: David Abernethy, Aboriginal Affairs and Northern Development Canada

CC: Murray Ball (AANDC), Eva Paul (AANDC), and Robin Ikkutisluuk (NWB)

Date: May 28, 2014

Re: Water Licence Renewal Application, #3BM-ARC0810

Licensee: Hamlet of Arctic Bay
Project: Municipal water licence
Region: Qikiqtani

Comments:

A. Background

On May 12, 2014, the Nunavut Water Board (NWB) provided notification of the Hamlet of Arctic Bay's (the "Licensee") application to renew Water Licence #3BM-ARC0810 to allow for the use of water and deposit of waste for municipal undertakings.

Interested parties were asked to review this application and provide comments by June 12, 2014.

B. Results of review

On behalf of Aboriginal Affairs and Northern Development Canada (AANDC), the following comments and recommendations are provided:

1.	<p>Licence Term</p> <p>Comment: Block 25 of the submitted water licence application form requests a ten year licence. Due to ongoing compliance issues it is recommended that the licence term be shorter and consistent with other municipal water licence terms.</p> <p>Recommendation: It is recommended that the water licence be renewed for five years.</p>

2.	<p>Engineering Inspection</p> <p>Comments The May 3, 2014 Plan for Compliance states that a geotechnical assessment report will be provided by March 31, 2015. This is a requirement of Part F, Item 3 of the licence that has yet to be submitted.</p> <p>Observation AANDC will review this engineering assessment report once it is made available for review.</p>
3.	<p>New Sewage Lagoon Assessment Report</p> <p>Comments The May 3, 2014 Plan for Compliance states that a geotechnical and geothermal assessment report will be provided by March 31, 2015. This is a requirement of Part H Item 15 and further described under Part B item 1(v) of the licence that has yet to be submitted.</p> <p>Observations AANDC will review this assessment report once it is made available for review.</p>
4.	<p>New Sewage Lagoon Effluent Monitoring</p> <p>Comments The Licensee states that they will decant the sewage lagoon once a year and sample the effluent at the end of the filtered wetland before it enters the ocean for compliance. It is unclear in the Operation and Maintenance Plan what contingencies are in place to stop the effluent from reaching the ocean if the samples are in non-compliance. Furthermore it is also unclear through the Operation and Maintenance Plan whether or not the filtered wetland will be considered a point of control by the Inspector. Unless the filtered wetland is engineered and structured in such a way that it is deemed to exact control on the effluent and provide treatment then the last point of control will be deemed the exit for the lagoon and this is where compliance limits should be met.</p> <p>Recommendation AANDC recommends providing evidence that the effluent can be stopped from entering the environment if effluent limits are not met. Also AANDC recommends that the Licensee provide evidence that this is an engineered wetland designed for the purpose of effluent treatment, and not just using the area downstream of the lagoon as an extra means of treatment.</p>
5.	<p>Instrumentation and Surveillance Monitoring Plan</p> <p>Comments The May 3, 2014 Plan for Compliance states that a Instrumentation and Surveillance Monitoring Plan will be submitted with the 2014 Annual Report to be submitted by March 31, 2015. The existing (currently expired water licence) states that this plan was to be submitted to the</p>

	<p>Nunavut Water Board within 30 days of the issuance of the licence amendment. This is a requirement of Part H Item 14 and 16 of the licence that has yet to be submitted.</p> <p>Observations AANDC will review this monitoring plan once it is made available for review.</p>
6.	<p>Hazardous Waste Management Plan</p> <p>Comments The May 3, 2014 Plan for Compliance states that a Hazardous Waste Management Plan will be provided by June 30, 2014. This is a requirement of Part F, Item 1 of the licence that has yet to be submitted.</p> <p>Observations AANDC will review this management plan once it is made available for review.</p>
7.	<p>Solid Waste Operation and Management Plan</p> <p>Comments The Licensee has not prepared a Solid Waste Operations and Management Plan as required by Part F, Item 1 of the licence. The May 3, 2014 Plan for Compliance states that this plan won't be available until March 31, 2015 and indicates that a new site will be constructed (section B-12 of the Plan for Compliance). Furthermore, the Plan for Compliance (section B-12) states that a manual for the segregation of wastes will be available for review by June 30, 2014.</p> <p>Observations The Licensee should update the NWB on its plans to manage the current landfill (i.e., waste segregation and management) and to develop a new landfill. AANDC will review these plans once it is made available for review.</p>

Prepared by Ian Parsons and David Abernethy