



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

Your File: 3BM-CAM0207
Our File/CIDM's #:270843

Nov 4, 2008

Richard Dwyer
Licensing Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0A 1J0

Re: 3BM-CAM0207 – Hamlet of Cambridge Bay – Renewal Application

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of a Type "B" Water License Renewal Application for the Hamlet of Cambridge Bay, located in the Kitikmeot Region. All associated documents related to this license posted on your ftp site under 3BM-CAM0207 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) 975-4738 or by email at CullA@ainc-ianc.gc.ca

Yours truly,

Original Signed By

Andrea Cull
Water Management Specialist



Technical Review Memo

To: Richard Dwyer - Licensing Administrator, Nunavut Water Board
From: Andrea Cull – Water Management Specialist, Indian & Northern Affairs Canada

Re: 3BM-CAM0207 – Hamlet of Cambridge Bay – Renewal Application

The application was submitted to the Nunavut Water Board (NWB) on August 30, 2008 by Stephen King, Senior Administrative Officer of the Hamlet of Cambridge Bay. All associated documents related to this license posted on your ftp site under 3BM-CAM0207 were included in my review.

Project:

File #: 3BM-CAM0207
Project: Cambridge Bay
Location: Latitude: 69°7'1"; Longitude: 105°3'15"
Purpose: Municipal Water Use & Waste Disposal
Type: "B"

The Hamlet of Cambridge Bay is applying for a Type "B" Water Licence Renewal Application for the use of water for the municipal water supply, sewage treatment and disposal, and solid waste management/ treatment.

As a result of the review INAC recommends that the Nunavut Water Board impose standard conditions suitable for municipal projects of this size and magnitude. In addition the following comments/recommendations are provided for your consideration in the license approval process.

Recommendations/Comments:

Upon review of the quantity of water involved (cubic meters per day including both quantity to be used and quality to be returned to source) the hamlets water use is greater then 100 cubic meters per day. It is indicated that the quantity of discharge into the ocean is 88,000 cubic meters per year or 240 cubic meters per day. This meets the Type "B" water license criteria for Municipal Undertakings, Schedule VI, Northwest Territories Water License Regulations.

1. The Hamlet has indicated that waste produced within the Hamlet of Cambridge Bay can be classified as sewage, solid waste, hazardous waste and bulky items/scrap metal. INAC recommends that the NWB should require the Hamlet to operate, through a specific license condition, the Waste Disposal Facilities in accordance with the "Cambridge Bay Landfill Operations and Maintenance



Manual (EarthTech, July, 2008). This would ensure proper segregation and storage (inside) of hazardous wastes collected by the Hamlet. In addition records should be kept in regard to the amount, type, and source of hazardous waste received.

2. Unless submitted previously to the NWB, the Hamlet should provide up to date copies of all plans and information relevant to municipal undertakings associated with water use and waste disposal [e.g., freshwater intake design, waste water treatment facility design, solid waste treatment facility design, fuel containment facility design, quarry design(s), Quality Assurance/Quality Control (QA/QC) Plan, etc.] with the renewal application.

3. It has been noted, during recent discussions with the GN-CGS Regional Engineer, that the sewage treatment facilities decant wastewater through a spillway from a period commencing just after spring break-up (June 15 – July 1) until the end of September (freeze up). Therefore INAC is requesting that a condition be placed in the licence that requires notification to an INAC Water Resources Officer as soon as decanting of wastewater starts. The notification should be made to the Nunavut Spill Report Line.

4. The Response Action Section of the Spill Contingency Plan should make reference to the Nunavut Spill Report Line and include a copy of the Nunavut Spill Report Form. This form can be obtained from the Nunavut Water Board public registry at <http://www.nunavutwaterboard.org>. Please note that the 24-hour Spill Report Line telephone number is (867) 920-8130 and facsimile number is (867) 873-6924. Furthermore, INAC requests the proponent report all spills to Peter Kusugak, INAC Manager of Filed Operations, phone: 867-975-4295, fax 867 975-6445 as well as the Nunavut Spill Report Line.

5. Section 4.0, Studies and Reports during Water Licence Period, of the Background Report for Water Licence Renewal (EarthTech, August, 2007) references several studies/reports. These studies/reports include,

4.3- Sewage and Solid Waste Facilities Planning Report, 2006

4.5- Waste Diversion Strategy Study Report, 2007

4.6- Sewage lagoon Redevelopment Preliminary Engineering Report, 2007

4.7- Solid Waste Site Improvement Preliminary Engineering Report, 2007

Each report contains recommendations that would improve waste disposal procedures. INAC notes that there is no timeline for implementation of these recommendations in the renewal application. Therefore it is recommended that the NWB require the Hamlet to submit a plan of action that includes a timeline for implementation of the recommendations.

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