



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

June 10, 2009

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

Your File: 3BM-CHE0308
Our File: 9545-2-2.3BM.CHEA
CIDM's #: 337056

Re: Hamlet of Chesterfield Inlet – Type 'B' Water Licence Renewal

Indian and Northern Affairs Canada (INAC) has completed a review of the Type 'B' renewal application of expired water licence #: 3BM-CHE0308 for the Hamlet of Chesterfield Inlet. The Hamlet submitted their application to the Nunavut Water Board (NWB) on September 9th, 2008.

In conducting this review, I have referred to all documents on the NWB's FTP-Site under 3BM-CHE0308. Attached is a Technical Review Memorandum for your consideration in the approval of this renewal application.

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: Hamlet of Chesterfield Inlet – Type ‘B’ Water Licence Renewal

Background

On September 9, 2008 the Hamlet of Chesterfield Inlet applied to the Nunavut Water Board (NWB or Board) for a renewal of their current Type ‘B’ Water Licence (3BM-CHE0308). The Board replied to the Hamlet on October 15, 2008 requesting additional information that had not been submitted with the application for renewal. On January 14, 2009 the NWB sent further correspondence to the Hamlet regarding the application for renewal and amendment of licence 3BM-CHE0308. The Hamlet was encouraged by the Board to first apply for a renewal of their expired water licence, and then after the water licence is approved, apply for an amendment to the licence to include a road to Josephine Lake. On February 24, 2009, after additional information was sent to the Board by Nunami Jacques Whitford Ltd. on behalf of the Hamlet of Chesterfield Inlet, it was determined that there was enough information to go forward with the renewal application. However, the Board decided that the development of the road to Josephine Lake would be processed separately, and at a different time (as and amendment).

Comments/Recommendations:

- 1) The Hamlet of Chesterfield Inlet is applying for a water licence renewal for a period of ten years. INAC would like to recommend to the Board that a renewal of five years is sufficient to determine compliance with the water licence requirements (monitoring, plans, etc.).



- 2) Annual reports are required to be submitted to the NWB on March 31st of each year that summarizes the previous year's performance, etc. To date, the only annual report that has been submitted to the Board was for 2007 and that report was determined by the Board to be deficient. The Hamlet should be advised by the Board that, as per Part B of the current water licence, annual reports are a requirement and should be submitted accordingly. It is also recommended that the Board, as a minimum, require the submission of the 2008 Annual Report prior to renewing this license. Annual Reports serve as an important tool to assess performance of waste disposal facilities in Nunavut.
- 3) The Hamlet was required to submit an abandonment and restoration plan for the old landfill site as per Part G, Item 1 (ii): "Conditions Applying to Abandonment and Restoration" of the current licence. This has not been received by the Board. As part of any renewed license the Board should require the Hamlet to transfer materials from the old landfill to the new, fenced landfill as soon as possible.
- 4) At this time there is no sewage retention system (lagoon) in place for the Hamlet of Chesterfield Inlet and raw sewage is discharged directly into the wetland area for treatment. This is an unacceptable practise, therefore, an appropriate plan of action, with a firm timetable of implementation, should be required that will control solids and provide retention (i.e., engineered treatment lagoon in addition to the current wetland area).
- 5) The Hamlet was required, as part of the expired license, to submit operational and maintenance plans for the Sewage and Solid Waste facilities, as well as a spill contingency plan to deal with fuel spills, storage and transportation of wastes, etc. A search of the NWB website revealed that no such plans have been submitted by the Hamlet. The Board should consider the submission of these plans prior to renewing this license.
- 6) INAC recommends that the Hamlet submit to the Board, a Surveillance Network Program (SNP) for all water quality monitoring stations as per Part H: Conditions applying to the Monitoring Program (of the current,



- expired licence). This program should also include, but not be limited to, maps and GPS coordinates of the SNP water sampling sites (raw water, sewage effluent and landfill leachate).
- 7) During any restoration or operational activity there should be no open burning of plastics, wood treated with preservatives, electrical wire, Styrofoam, asbestos or painted wood to prevent the deposition into any surrounding waters of waste or toxic materials generated due to incomplete combustion and/or leachate from contaminated ash residues.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4568 or by email at Ian.Rumbolt@inac-ainc.gc.ca.

Sincerely,

Original signed by

Ian Rumbolt
Regional Coordinator

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