



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

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

Jan 9, 2009

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

Re: 3BM-KUG0308 – Hamlet of Kugluktuk – 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 Kugluktuk, located in the Kitikmeot Region. All associated documents related to this license posted on your ftp site under 3BM-KUG 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 Andrea.Cull@ainc-ianc.gc.ca

Yours truly,

Original Signed By

Andrea Cull

Water Management Specialist



Technical Review Memo

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

From: Andrea Cull – Water Management Specialist, Indian & Northern Affairs Canada

Re: **3BM-KUG0308 – Hamlet of Kugluktuk – Renewal Application**

The application was submitted to the Nunavut Water Board (NWB) on November 27, 2008 by Derrick Power, Senior Administrative Officer of the Hamlet of Kugluktuk. All associated documents related to this license posted on your ftp site under 3BM-KUG were included in my review.

Project:

The Hamlet of Kugluktuk is applying for a Type “B” Water Licence Renewal Application for water use and waste disposal associated with activities in the Kitikmeot region of Nunavut.

According to the application information potable water requirements for the Hamlet will be up to 211 M3/day. The source of water is the Coppermine River. This meets the Type “B” water licence criteria for Municipal Undertakings, Schedule VI, Northern Territories Water License Regulations.

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:

1. 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 that were not submitted with the application within three (3) months of the issuance of any renewal. This would include freshwater intake design, waste water treatment facility design, solid waste treatment facility design, fuel containment facility design, quarry design(s), Abandonment and Restoration, Quality Assurance/Quality Control (QA/QC) Plan, Operation and Maintenance Manual for Solid Waste Management and Sewage Disposal Areas and Spill Contingency Plans etc.] with the renewal application.

2. The Hamlet has indicated that waste produced within the Hamlet of Kugluktuk can be classified as sewage, solid waste, hazardous waste, bulky items/scrap metal, waste oil and sludges Plans submitted with the application indicate that all of these materials will be segregated which is an acceptance practice.

Landfarm / Landfill Operation

The proposed operations of the landfarm and landfill areas appear satisfactory.

Hazardous Wastes

Hazardous waste materials stored on-site should be clearly labelled so they will be visible under all conditions, in all seasons. This recommendation is intended to prevent possible damage to the containers. Unless otherwise specified by the water resources inspector or licence -issuing agency, all hazardous materials should be removed from the site on a regular basis to prevent large accumulations. This type of waste must be disposed of at an approved facility outside of the Territory of Nunavut (no known facilities within Nunavut). As such transport must be in proposing to store this type of waste within a lined secondary containment structure which should prevent any off site impacts.

No Open Burning

There should be no open burning of plastics, wood treated with preservatives, electrical wire, Styrofoam, asbestos or painted wood. This is to prevent the deposition of waste materials from incomplete combustion and/or leachate from contaminated ash residues from impacting any surrounding waters.



3. 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.

Spill Contingency Plan

The applicant should update the contingency plan submitted with the application to include details that address responding to chemical, petroleum and other spills which might occur during the operation of these facilities. The plan should include, but not be restricted to, a list of available spill response equipment and the names of trained personnel who will be on-site and available in the case of a spill. The Government of the Northwest Territories' Environmental Protection Service has developed a very useful spill planning and reporting guideline to complement their *Spill Contingency Planning and Reporting Regulations*; both of which have also been adopted by the Government of Nunavut. Environment Canada has also developed *Guidelines for the Preparation of Hazardous Material Spill Contingency Plans*. The proponent may find these guidelines to be helpful in developing a spill plan.

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