



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

Your File: 3BC-NET----
Our File/CIDMS #: 339889

June 18, 2009

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

Re: 3BC-NET – Canadian Wildlife Service – Netilling Lake Project – New Type ‘B’ Water License Application

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of Canadian Wildlife Service's new application for a Type "B" Water License #3BC-NET, Netilling Lake Project located in the Qikiqtani Region.

INAC has reviewed the following documents:

- Water license application received July 11, 2008
- Supplemental questionnaire received October 1, 2008
- Inuktitut & English Summaries received August 19, 2008
- Waste Disposal Method e-mail received July 11, 2008
- Camp photos received October 1, 2008
- Spill Plan received June 3, 2009

All associated documents related to this license posted on your ftp site under 3BC-NET 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
Cc: Kevin Buck – Manager of Water Resources, INAC



Technical Review Memo

To: Richard Dwyer – Licensing Administrator, Nunavut Water Board

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

Re: 3BC-NET – Canadian Wildlife Service – Netilling Lake Project – New Type ‘B’ Water License Application

A new Type ‘B’ water license application was submitted to the Nunavut Water Board (NWB or Board) on July 11, 2008 by Dr. Jim Leafloor of the Canadian Wildlife Service. All associated documents related to this license posted on the NWB ftp site under 3BC-NET were included in my review.

Project:

NWB File #: 3BC-NET----

Project: Netilling Lake Project

Location: Latitude: 66°35’54”N; Longitude: 71°30’19”W

Purpose: Research Camp

Type: “B”

The Canadian Wildlife Service is applying for a Type “B” Water License for water use and waste disposal associated with activities located in a research camp in the Qikiqtani region of Nunavut.

The project is scheduled to be completed on August 20, 2013 (for a totally of 5 years). There will be a maximum population of 7 people (on average population 5-6 people) on-site for a period of 2 weeks per year. The project is scheduled to begin around the first 2 weeks of August of any given year between 2008 and 2013 at this site.

According to the application information potable water requirements for the project it will be less than 100 M3/day. Netilling Lake located a few meters north of camp site and the Koukjouak River approximately 60 m West of camp site will be the main water sources for the project. This meets the Type “B” water license 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 camp/research 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. Hazardous Wastes

Hazardous waste materials stored on-site should be clearly labelled so they will be visible under all conditions and in all seasons. This recommendation is intended to prevent possible damage to the containers.

Unless otherwise specified by the Water Resources Inspector or NWB, all hazardous materials should be removed from the site on a regular basis to prevent the over accumulation of these materials. This type of waste must be disposed of at an approved facility outside of the Territory of Nunavut (no known facilities within Nunavut). All transfer of this type of waste must be in accordance with the GN "Guideline for General Management of Hazardous Waste - January, 2002". In addition hazardous wastes should be stored within a lined secondary containment structure to prevent any off site impacts (other secured structures would also be acceptable).

INAC recommends that the proponent submit copies of all manifest forms related to the transport of hazardous waste as part of the Annual Report for this site.

2. Greywater

All sumps used for the disposal of grey water should be positioned at least 30m from the high water mark of nearby water bodies. Furthermore, all sumps should be treated, backfilled and contoured to match the surrounding landscape prior to the end of the projects field program.

3. 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.



4. Spill Contingency Plan

The Spill Contingency Plan should clarify that all fuel caches will be located at least 30 m above the high mark of any water body. Further, secondary containment, such as a self-supporting berm, is recommended when storing barrels containing fuel onsite.

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.

Cc. Kevin Buck, Manager of Water Resources – INAC