



Sahtu Land and Water Board

Staff Report

Division: Water Program	Report No. 1
Date Prepared: November 28, 2012	File No. S12L3-006
Meeting Date: December 5, 2012	
Subject: Type B Water Licence Application submitted by the Charter Community of Deline.	

1. Purpose/Report Summary

To inform the Board about a Type B Water Licence Application by the Charter Community of Deline in collaboration with Stantec Architecture Ltd.

2. Background

2.1 Project Overview

Deline's previous Water Licence with the Sahtu Land and Water Board (SLWB) expired on December 31, 2010. Repeated attempts were made by SLWB staff to aid the community in renewing its Water Licence. On October 3, 2012, Stantec, acting on behalf of the Charter Community of Deline, submitted a Water Licence application.

The Water Licence application is for municipal use regarding potable water use, solid waste disposal, and sewage waste disposal. Included in the application was; a spill contingency plan for all community facilities, solid waste site O&M Plan for the newly constructed facility, solid waste facility drawings for the newly constructed facility, water treatment plant drawings, and the water treatment plant O&M Manual. The following plans will be developed and submitted to the Board for review prior to associated modifications of the Licence; Closure and Reclamation Plan for the current solid waste site, Closure and Reclamation Plan for the current sewage lagoon site, and the O&M Plan for the new sewage lagoon.

Water Source:

Deline's water source is Great Bear Lake. Requested annual water withdrawal is 30,000 cubic metres.

Water Treatment Plant:

The present water treatment plant was completed in February 2010 and began operation in March 2010.

Solid Waste Disposal Facility:

The new solid waste disposal facility is situated approximately 2.2km north of the airport runway. The site is adjacent to a string of eskers to the south, a seismic cut line to the east, and a small lake to the west. Prior to the opening of the new facility, the current facility will be fully decommissioned. The new facility is being designed with a 30 year lifespan in mind capable of handling 83,603m³ of uncompacted waste, which is in line with population projections for Deline.

Sewage Lagoon:

The current sewage lagoon consists of a primary and secondary cell completed in 1985. Deline's previous Water Licence (S00L3-002) was amended in June 2010 to allow for two annual decants to address the sewage lagoon's capacity issues. Stantec has been commissioned by the Charter Community of Deline to design the new sewage lagoon. Once constructed an O&M Plan for the new lagoon system will be submitted to the Board, along with a Closure & Reclamation Plan for the old site.

Sampling and Reporting:

The last annual report submitted by Deline was in 2009. SLWB staff has made numerous attempts to improve municipal reporting including providing templates. However, as part of this Licence application sampling results for Deline's Lagoon system were submitted. All parameters assessed were within the appropriate criteria.

2.2 Process Requirements

Application Received: October 3, 2012

Application Deemed Complete: October 29, 2012

Application for WL Advertised: October 29, 2012

Number of Review Agencies: 22

Review Period End Date: November 19, 2012

A Type B Municipal Water Licence is required for the use of 50 or more cubic metres of water per day and deposit of waste by means of sewage collection or treatment system. The application with fees for the amount of \$30.00 was received in our office on November 21, 2012.

3. Comments

3.1 Community Consultation

In the application, the Charter Community of Deline submitted a letter authorizing Stantec to act on their behalf in all aspects of the application process. The Deline RRC all supports plans and manuals in the application along with the previous TEK study gathered by the community for the previous Water Licence. The Deline Land Corporation submitted with the application a letter of support for the Charter Community to operate the water treatment plant. In their review of this application, the Deline Land Corporation questions why there has been no public consultation about the various components of the community's Water Licence. SLWB staff spoke with the Land Corporation President on November 22 to discuss concerns. Stantec will discuss with the Charter Community about holding a public meeting in regards to

the construction and operation of new facilities. After our conversation it was agreed that the priority is ensuring a licence is in place.

3.2 Potential Environmental Impacts and Mitigation Measures

See the Preliminary Environmental Screening for potential environmental impacts and proposed mitigation measures.

3.3 Preliminary Environmental Screening

Section 124(1) of the *Mackenzie Valley Resource Management Act* requires the Sahtu Land & Water Board to undertake a Preliminary Screening of any proposed development prior to the issuance of a Licence, Permit, or Authorization.

Based on the information provided in the application and by review agencies, a Preliminary Environmental Screening (PES) was performed. The report concludes that the environmental impact of the proposed project can be mitigated with known technologies and no significant public concerns have been raised. The Draft PES Report and a Draft Staff Report were forwarded to the Mackenzie Valley Environmental Impact Review Board (MVEIRB) one week prior to the Board Meeting. If the Draft PES is approved by the Board, it will be forwarded to MVEIRB as an approved copy.

3.4 Conformity with Land Use Plan

There is no approved land use plan and therefore conformity of the application against the land use plan cannot be determined. Any rights or authorizations granted prior to the approval of the land use plan will be considered existing uses and allowed to continue following plan approval, including uses that do not conform to the approved zoning and the terms of the plan.

The SLWB has met the referral obligations set out in section 47 of the *Mackenzie Valley Resource Management Act*.

3.5 Draft Licence

A Draft Licence with Terms and Conditions has been finalized and is attached.

3.6 Security Deposit

N/A.

4. Other Agency Comments

The application was circulated to 22 organizations requesting a reply by November 19, 2012. To date 5 organizations have responded. The following organizations offered comments on the application:

- **Department of Fisheries and Oceans**
- **Deline Land Corporation**
- **ENR**
- **AANDC**
- **GNWT- DOT**

Please see the attachments for complete comments.

