

(In reply, please refer to)  
**Our File: 05-4755-3000**



June 20, 2006

Nunavut Water Board  
PO Box 119  
Gjoa Haven, Nunavut  
X0B 1J0

Attention: Phyllis Beaulieu  
Manager of Licencing

**Application of Water Licence for the Hamlet of Kugaaruk**

Dear Ms. Beaulieu:

Please accept this application for the water licence for the Hamlet of Kugaaruk. The previous licence (NWB3PEL9803) expired in 2003.

Work on the Hamlet's sewage and solid waste sites was initiated following a Municipal Water Use Inspection by the Department of Indian and Northern Affairs Canada in July 2004. Directives resulting from that inspection included the improvement of the hazardous waste management practices, containment of leachate from the landfill and continued maintenance of the sewage lagoon.

Following a breach of the lagoon's berm in 2005, a plan for the improvement of the Hamlet's waste systems was developed. This includes the re-structuring of the solid waste and bulky metals sites, a study of the community's options for hazardous waste disposal and the expansion of the community's sewage lagoon to provide adequate capacity for the next 20 years.

A number of improvements are planned for the community's existing sewage lagoon. Construction on the sewage lagoon will be undertaken in two phases and will involve the following.

Phase 1 will involve decanting the lagoon and clearing the sludge from the bottom. The floor of the lagoon will then be blasted out to increase the capacity of the existing lagoon. A package sewage treatment plant will treat the community's sewage while this work is ongoing.

Phase 2 will occur during the following construction season. The lagoon's berms will be demolished and replaced with new berms. The new berms will form continuous containment around the lagoon including areas that are currently contained by rock outcrops. Impermeable liners will be installed in the new berms in addition to a new

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**Dillon Consulting  
Limited**

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truck turnaround pad, discharge flume, overflow weir and decant system.

The first phase of work is planned for the 2006 construction season. In order to streamline the process so that work may begin, we would like to apply for the licence for the sewage lagoon only at this time. Work on the solid waste sites will take place in subsequent years and an ammendment to the water licence for these facilities will take place at that time.

Tender drawings and background reports will be available on Dillon's FTP site for your review. Please do not hesitate to contact us with any questions or concerns.

Yours sincerely,

**DILLON CONSULTING LIMITED**

Janice Lee  
Engineering MIT

for

Gary Strong, P.Eng  
Project Manager

Encl.

cc:

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