

Our File: 2005-0670
April 2, 2007

Zhong Liu
P.O. Box 119
Nunavut Water Board
Gjoa Haven, NU X0B 1J0

Re: Hall Beach Sewage Lagoon Decommissioning -

Dear Mr. Liu

DIAND Comment.

The FSC Architects and Engineers as-built drawing number CSK-2 states that a ridge of granular material east of the old lagoon will be removed to ensure that drainage will occur toward Foxe Basin. INAC recommends that the Nunavut Water Board seek confirmation from the proponent that this granular material will be excavated, transferred, and deposited in a manner that will not have a detrimental effect on the quality of freshwater.

Reply. Thank you. The contractor will be instructed to use appropriate sediment control measures.

DIAND Comment.

INAC recommends that the awarded contractor be required to implement acceptable mitigation measures for the protection of freshwater quality from adverse effects associated with the excavation, transfer, and deposition of aggregate materials.

Reply. Thank you. The contractor will be instructed to use appropriate sediment control measures.

DIAND Comment.

Section 02223-2.3 of the tender package provides information on the type of geotextile to be used in this undertaking. INAC recommends that the proponent clarify its intentions of using such materials. Should the Nunavut Water Board determine that the use of geotextiles is appropriate, INAC recommends that the project tender specify that the geotextile must be new, properly packaged, and stored, and that the project engineer be responsible for overseeing its installation.

Reply. This section is a standard geotextile definition in the project specifications to be used in conjunction with the project requirements as defined by the Engineer. It is standard practice in the industry not to edit or delete specification clauses. Instead, Engineers and contractors ignore those that do not apply. In this project, a geotextile liner is not specified, therefore, this section does not apply and should be ignored.

DIAND Comment.

INAC recommends that the proponent implement a project-specific spill contingency plan. This plan should be provided to the Nunavut Water Board for review.

Reply. We do not believe this is necessary for such a small project.

DIAND Comment.

Section 02223-3.3 of the tender package provides information on dewatering procedures to be practiced by the awarded contractor. INAC recommends that the tender package specify the suspected sources of water to be transferred and specify where it is to be deposited. Water must satisfy the quality standards for sewage disposal facilities specified in Part D-Item 2 of the Hamlet's licence and should conform to Canadian Water Quality Guidelines for the Protection of Aquatic Life in freshwater environments.

Reply. The project report, which is part of the tender package, recommends pumping ponded water to Foxe Basin prior to infilling. Previous sampling showed that the water met all necessary conditions for discharge. If required, water samples could be taken during discharge. The contractor will be instructed to use appropriate sediment control measures.

If you have questions, please contact me at your convenience.

Yours truly,
FSC Architects & Engineers



Ron Kent, P. Eng.,
Manager, Environmental Engineering