



Indian and Northern Affairs Canada
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International Year of
the World's Indigenous People
A New Partnership



Année internationale
des populations autochtones
Un nouveau partenariat

October 6, 1997

Ms. Dionne Filiatrault
Technical Advisor
Nunavut Water Board
P.O. Box 119
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Dear Dionne:

Re: Municipal Water Licence - Municipality of Igloodik

Water Resources Division, and the Nunavut District Office have reviewed the above mentioned application. The cover letter from the Nunavut Water Board indicates that the purpose of the application is for "Municipal Water Licence for the expansion of the water reservoir and sewage lagoon". As these expansions could be regulated under the Water Licence, we have reviewed the submission as a new licence application. Our comments, which are not specific to the expansion proposal but to the actual licence itself, are as follows:

The water use conditions should include clauses to identify the water supply source, the reservoir and the volume limits for all purposes. The annual volume should not exceed 45,000 m³/year for a five year licence. This volume also takes into consideration the estimated population growth in the community as a result of Territorial Government decentralization. The intake hose used on the water pumps should also be equipped with a mesh size sufficient to ensure no entrainment of fish. A SNP sampling site should be required here to measure the volume of intake.

The sewage disposal facility presently consists of a 2-cell lagoon. It discharges via a seepage berm and run-off effluent filters over a few hundred metres of tundra before entering the Bay. Although clarity is very good prior to entering the sea, there is no one discrete point in which a sample could be collected. However, the most visible area of flow should be sampled annually, during periods of flow and analysed for the following parameters:

Total Suspended Solids	180 mg/L*
BOD	120 mg/L*
pH	
Faecal Coliform**	
Ammonia	

* Regulated Parameters - Based on the NWT Water Board's "Guidelines for the Discharge of

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Treated Municipal Wastewater in the Northwest Territories". Please note, however, that the Hamlet is not the owner of the facility and would not be legally responsible for meeting the parameters if regulated.

**According to the guidelines, "In the case of an open, well flushed marine bay or fjord, bacteriological standards will be of concern only where the discharge might affect a fishery (including shellfish harvesting) or water contact recreation." As there was no mention of such in the application, there may not be a need to analyse for Faecal Coliforms.

Waste disposal conditions should include properly signing the appropriate areas, disposing bagged toilet wastes (lunny bags) at the bagged waste disposal facility to the satisfaction of an Inspector, and disposing solid wastes at the solid waste disposal facility or at otherwise approved by the board. An SNP sampling site may be appropriate at the solid waste disposal site to monitor annual run off but the parameters should not be too onerous on the Hamlet.

The standard requirement for an Operation and Maintenance Plan should also be included. In addition to the basic requirements, the plan should address the waste metal disposal area identifying the designated area and the handling procedures.

One final recommendation would be to let the community review the draft licence prior to it being approved. This will allow them to comment and express any reservations they may have at this point. Hopefully, any reservations can be resolved early in the process and minimize the non-compliance problems later on.

If you would like to discuss any of the above items in further detail, please feel free to contact me at (403)669-2658.

Sincerely,



Shannon Pagotto
Regional Coordinator
Water Resources Division

c.c. Nunavut District