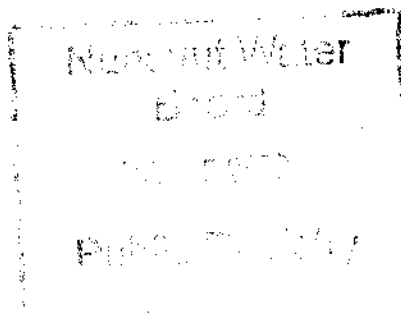


Northern Division
Environmental Protection Branch
Prairie and Northern Region
#301 - 5204 - 50th Ave
Yellowknife, NT X1A 1E2
Ph, (867) 669-4700

Scanned

July 31, 2002

Dionne Filiatrault
Technical Advisor
Nunavut Water Board
P.O. Box 119,
Gjoa Haven, NT X0E 1J0
By Facsimile: (867) 360-6369



Our File: 4782 033

By email: dionne@polarnet.ca

INTERNAL	
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Re: Cambridge Bay Municipal Water Licence Renewal - Water Licence NWB3CAM

On behalf of Environment Canada (EC) I have reviewed the water licence application and supporting documentation submitted by the Hamlet of Cambridge Bay. While some issues have been addressed, such as constructing new discharge areas at the sewage lagoon, most of the concerns previously identified are still outstanding. The following recommendations are provided for your consideration as conditions to be included in the water licence renewal:

- An engineered site improvement plan which will effectively separate the two waste streams, and prevent mixing of sewage and solid waste site effluents, should be developed and implemented. The supplementary questionnaire (page 22) states that the low precipitation and high evaporation rates prevent runoff, however this would not be the case at spring freshet or should a heavy rainfall occur. No diagrams were provided which show the berms mentioned.
- Fencing of the solid waste site should be done to prevent the spread of debris.
- The Operation and Maintenance Plan should be developed and must include such matters as removal of solids from the sewage lagoon and construction of a bagged toilet waste facility to receive the estimated 20 bags per year from outpost camps (formerly required under licence section D6). If this is no longer required, that should be identified.
- The O&M plan should also address operational issues such as maintenance of the one metre freeboard for the sewage lagoon berms.
- No details are available on the management of waste oil and hazardous materials, other than that these are handled by a contractor. The O&M plan should include a section on the handling and ultimate disposal of hazardous wastes.
- Metal wastes should be relocated away from any water bodies (identified as a concern in the August 10, 2001 inspection) and consolidated in one area.
- Waste segregation practices should be identified and used to ensure removal of salvageable items and hazardous materials from the combustible wastes.

- The expired licence included the requirement to assess the contaminants in the solid waste site (especially persistent organic pollutants) and identify necessary remedial measures. This is still outstanding, and should be done early in the term of the renewal licence. It is my understanding that there are a number of sources of potential contaminants at the dump (such as full barrels of unknown product, old electronic equipment) which need to be cleaned up.
- A final abandonment and restoration plan needs to be developed for both sites.
- An updated Spill Contingency Plan should be submitted.
- Monitoring requirements under the expired licence's SNP were limited to sampling of drinking water. It is recommended that periodic sampling of the sewage and solid waste effluent streams be included under the SNP. Appropriate training in sample collection needs to be provided to those responsible for sampling.

Please do not hesitate to contact me at (867) 669-4735 with any questions or comments regarding the foregoing.

Yours truly,

Anne Wilson
Water Pollution Specialist

cc: Steve Harbicht (Head, Assessment & Monitoring, EPB)
Paula Pacholek (Environmental Assessment Coordinator, EPB)