


 Environment Canada
 Environmental Protection Branch
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June 28, 2002

Phyllis Beaulieu
 Acting Licence Administrator
 Nunavut Water Board
 PO Box 119,
 Gjoa Haven, NU XOB 1J0

By Facsimile: (867) 360-6369

Re: Kimmirut Municipal Water Licence Renewal - Water Licence NWB3KIM

The Municipality of Kimmirut is seeking a water license renewal for the provision of services such as municipal water and waste disposal for the community of Kimmirut. The types of wastes to be generated are sewage, solid waste, scrap metals, waste oil and grey water. I have reviewed the above water licence application on behalf of Environment Canada (EC), and offer the following comments for your consideration.

Sewage Disposal:

There are indications that construction of a new sewage disposal facility at Site 8 has been almost completed, although details are not provided in the renewal application. This will represent a big improvement over the existing facility, and EC recommends the license contain a condition that sewage be discharged to the new facility upon completion.

New SNP station(s) will need to be set up to monitor outflow quality, and should have limits which will be protective of water quality in the receiving environment, upstream of Pleasant Inlet, as well as assessing the effectiveness of the new sewage disposal system.

There is some uncertainty as to the direction of drainage from Site 8 flows. Therefore, it is recommended a site survey should be done to confirm that the drainage flow, subsurface seepage, and surface runoff of the proposed Site 8 waste disposal system does not enter the community water supply.

Solid Waste:

Environment Canada supports relocation of the solid waste site to the new sewage disposal facility. An engineered landfill area must be constructed which will incorporate drainage management and address problems with windblown wastes. In the meantime, EC recommends that improvements to management practices be made in the following areas:

- separation of all hazardous wastes, with secure storage and appropriate disposal. (Previous inspection reports have indicated problems with current methods of handling hazardous materials.)
- development of an operation and maintenance plan that will be followed.
- installation of a perimeter fence to contain wind-blown garbage that is making its way

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- into the drinking water lake and onto the land
- assessment and remediation of hydrocarbon contamination at the site.
- Environment Canada requests that the community seek new options as to how to address the problems with recycling program and if necessary contact Environment Canada to provide technical assistance.

General Comments:

1. The Municipality should submit for approval an abandonment and restoration plan for both the sewage and solid waste disposal sites.
2. Any spills of wastes or hazardous materials shall be reported immediately to the NWT 24-hour Spill Report Line number (867) 920-8130. A spill contingency plan should be made available to all persons required to work on site and followed in the event of a spill, and the appropriate clean-up materials provided.

Changes in the proposed or permitted activities associated with this land use application would require further review. I can be contacted at (867) 669-4736 (by e-mail at wade.romanko@ec.gc.ca) for any questions or comments with regard to the foregoing.

Yours truly,



Wade Romanko
Aquatic Environmental Officer
Environmental Protection Branch - Northern Division

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