



Environment
Canada

Environnement
Canada

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November 10, 2003

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Our file: 4782 062



Via Facsimile

RE: NWB3CHE (Formerly N6L4-1538) – Hamlet of Chesterfield Inlet Water License

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned application. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

The Hamlet of Chesterfield Inlet has applied for a water license of obtain water for municipal use from First Lake. Sewage is currently collected by truck and discharged into a lagoon, from where it is allowed to flow into a natural wetland for treatment prior to entering Hudson Bay. Solid waste is collected and segregated at the landfill. When conditions are favourable, combustible wastes are burned.

Environment Canada requires the following information in order to facilitate the review of this application:

- Information regarding the amount of freeboard remaining in the sewage lagoon and the retention time of the lagoon.

Environment Canada recommends that the following conditions be applied throughout all stages of the project:

- The proponent shall not deposit, nor permit the deposit of any fuel, chemicals, wastes or sediment into any water body. According to the *Fisheries Act*, Section 36(3), the deposition of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any other deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- Signage should be erected at the water supply lake, as well as the old and new sewage lagoons indicating that these areas are access restricted. Signage should also be erected near the wetland indicating that motorized vehicles and pedestrians should avoid the area.
- The water license application states that the Hamlet practices burning of combustible wastes. Environment Canada recommends that the burned area be covered with suitable cover material at least annually.
- The application states that drums of waste oil and antifreeze are currently stored outside the fenced solid waste facility. The condition of these drums is deteriorating and vandalism of the area sometimes occurs. Environment Canada recommends that the



hazardous wastes be stored within the confines of the fenced solid waste facility. Also, these types of materials should be stored within secondary containment, such as self-supporting insta-berms or a bermed area with an impermeable liner. The proponent shall ensure that all hazardous materials receive proper disposal at a licensed facility. If there is any soil contamination resulting from leakage from these products, EC recommends that the proponent remove the contaminated soil and ensure that it receives proper treatment prior to disposal.

- Environment Canada recommends that the Hamlet develop and implement a Spill Contingency Plan, outlining a clear path of response in the event of a spill. This plan should include, among other items, the placement of spill kits at key locations (such as the oil storage area), and a commitment that all spills be documented and reported to the NWT 24 hour Spill Line at (867) 920-8130.
- The DIAND Inspection Report included with the application states that drummed waste was noted with the general refuse. Environment Canada recommends that bulky and hazardous wastes be segregated from the general waste stream
- It is recommended that the proponent take measures to prevent runoff from the solid waste facility from entering any of the surrounding waterbodies. Environment Canada recommends that a berm or other similar preventative measure be employed to prevent runoff leaving the landfill until it is determined to be non-deleterious.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at colette.meloche@ec.gc.ca.

Yours truly,



Colette Meloche
Environmental Assessment Specialist

cc: (Mike Fournier, Northern Environmental Assessment Coordinator, Environment Canada, Yellowknife)