

MEMORANDUM

Brian Collins  
Municipal Coordinator  
Water Resources, YK


B9545-5-H6  
February 7, 1995

Draft Hall Beach Water Planning Study

Ref: Water Board letter to Ms. S. Brown, P. Eng. dated January 24/95.

*Hall Beach  
Yvette*

1. On behalf of the Nunavut District office, I have reviewed the above noted planning study.
2. There is one concern that should be noted. This concern does not relate to any recommendation within the planning study, but rather to the situation in Hall Beach as it exists now. Apart from the real possibility that there may be a failure of a berm, it should also be noted that with increasing levels of seepage, there exists the possibility that the reservoir could drain low enough during the fall (before the berms freeze and seepage has terminated) that the water level in the reservoir is shallow enough that during winter the reservoir could freeze solid to the bottom.
3. As snow acts as an insulator, it may be necessary (if repairs are not made this summer) to erect snow fences that would encourage the accumulation of snow on the reservoir. This may be enough to tip the balance to ensure that the reservoir does not freeze solid.
4. In terms of the actual planning study, this office has no concerns with the proposed "seepage-stable berm" alternative. As this repair work is planned on the non-water side of the reservoir, the quality of the water within the reservoir will not be affected (ie. disturbance and presence of particulate matter in the water column).

  
Paul Smith  
Water Resources Officer  
Nunavut District

  
cc. Rick Armstrong, MACA, Iqaluit

