



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

gc
FAXED

Your file Votre référence

Our file Notre référence

September 1, 1995

B9545-5-G9

Mr. Gary S. Craig, P.Eng.
District Manager of Engineering, NWT
UMA Engineering Ltd.
3541 MacDonald Drive
Box 2545
Yellowknife, NT
X1A 2P8

Dear Mr. Craig;

Grise Fiord Sewage Lagoon Improvements

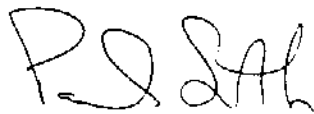
Ref: Your letter dated August 16, 1995.

1. Thank you for the opportunity to review the construction plans for the Grise Fiord sewage lagoon improvements.
2. Let me first state that from our Office's point of view, we are pleased to see a properly designed sewage waste disposal facility being constructed in this community.
3. I would like some clarification on the following matters:
 - a. In the Design and Operations Concept Report of November 1993, the "freezeback" option of berm design was chosen. I suppose that this may or may not be a concern, but what happens if the berms do not thaw enough in the summer season to allow seepage of sewage effluent? I note the inclusion of an overflow spillway, but no other decant structure.
 - b. In the event of a "cool" summer and if the berms do not thaw sufficiently to allow a significant amount of sewage to drain, how will the lagoon be emptied in the fall to allow for winter storage? The alternative is that sewage (through the winter) would be glaciating out of the lagoon at the spillway.

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- c. What happens to the abandoned honey bag disposal area if present lagoon is too be used for honey bags? The design plan does not indicate this.

Sincerely,

A handwritten signature in dark ink, appearing to read 'P. Smith'.

Paul Smith
Water Resources Officer
Nunavut District

cc. Municipal Coordinator, DIAND NWT Region, Yellowknife