



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

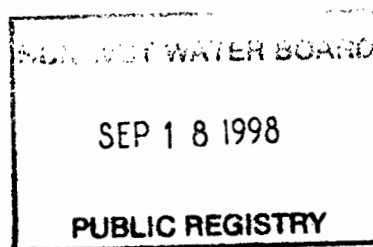
Your file Votre référence

Our file Notre référence

September 9, 1998

B9545-5-N5L3-0087

Mr. Denis Bedard, P. Eng.
Municipal Planning Engineer
Town of Iqaluit
Box 460
Iqaluit, NT
XOA OHO



COPY

Dear Mr. Bedard,

Re: Municipal Waste Disposal Issues

1. There are 2 issues that I would like to discuss with you. The first is a carry over from this past winter, the second is a new issue.
2. The first issue is the monitoring of the sewage lagoon level. Last winter (February 24/98), Dillon Consulting performed some work at the lagoon to establish a reference point on the concrete structure near the west dyke (where sewage discharges) to ensure that a least 1 metre of freeboard is maintained. At that time I had also requested that a reference marker be established at the inflow point of the lagoon (where there is open water all year long) because once ice covers the lagoon, the markings on the concrete structure are no longer readily readable.
3. The second issue relates to the solid waste disposal facility and the functioning of the discharge control structure. The purpose of this structure was to be able to control the release of any dump leachate from the facility. I went out to the dump this morning and noted that water from the facility is actually flowing freely out of the dump and into the diversionary creek at a point along the north east corner of the bulky waste disposal area.
4. According to the design drawings, the grade in this area is supposed to allow the water to drain towards the discharge control structure. This is not happening.
5. There is a SNP station (0087-7) at the discharge control valve that the Town must monitor on a monthly basis during periods of flow. However, since there has generally been little accumulated water in this area, actual sampling at 0087-7 has been limited.

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6. Given this recent observation, the Town is hereby directed to initiate sampling of the diversionary creek at SNP Station 0087-7 per water licence conditions. In addition, the Town is also expected to take appropriate action to eliminate the flow of dump leachate from any location except from the designed discharge drainage control. This may be accomplished through regrading of the area and/or the placement of an appropriate berm along the northern perimeter of the waste disposal site.
7. I would appreciate an indication on how the Town will address these concerns. I am available, at your convenience, to meet with you to further discuss these issues.

Sincerely,



Paul Smith
Water Resources Officer
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven
- DIAND Water Resources, YK