



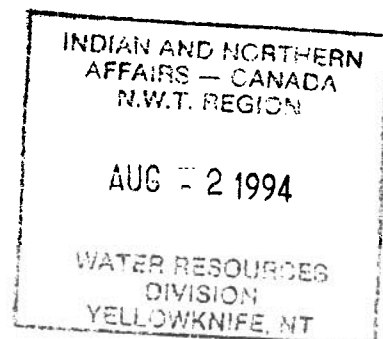
DIAND NWT Region
Box 100
Iqaluit, NT
XOA OHO

July 25, 1994

Mrs. Nicole Tessier
Senior Administrative Officer
Hamlet of Igloolik
Igloolik, NT
XOA OLO

Your file Votre référence

Our file Notre référence
B9545-5-N4L4-0571



Handwritten: 0571 WB MACA

Dear Mrs. Tessier;

Re: Water Management Inspection Report; Hamlet of Igloolik

1. Attached you will a copy of the Water Management Inspection Report, prepared by our Water Resources Officer, Paul Smith.
2. The only concern that we suggest be addressed is the lack of warning signs at both the waste disposal and potable water facilities.
3. Also attached is some information that you may find useful in preparing your application to the NWT Water Board for a water licence. Our office will be pleased to answer any further questions that you may have.
4. The assistance and cooperation provided by yourself and Mr. David Hauli, Hamlet Foreman to Mr. Smith during his recent visit to your community was greatly appreciated.

Sincerely,

JMA Theriault
District Manager
Nunavut District

- cc. - Water Resources, YK (B. Collins)
- Public Health, BRHB (D. Paradis)
- MACA, Iqaluit (R. Armstrong)

MUNICIPAL WATER USE INSPECTOR'S FORM

DATE: July 22, 1994 MUNICIPAL REP.: Nicole Tessier / David Hamlet
 LICENSEE: Hamlet of Igloolik Community LICENCE #: Unlicensed

WATER SUPPLY

Source(s): South Lake / Reservoir Quantity Used (to date): ~20,000 m³/year
 (estimate or actual)
 Owner/Operator: WPCA / Hamlet

Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable

Intake Facilities: A Storage Struct. N/A Treatment Systems A Chem. Storage A
 Flow Meas. Device A Convey. Lines N/A Pumping Station A
 Comments: Water from South Lake is pumped into the reservoir every summer in order to refill it. In-line chlorination was off-line - Manual chlorination was being done.

WASTE DISPOSAL

Sewage: Sewage Treatment System (primary, secondary or tertiary) Primary
 Natural Water Body Continuous Discharge (land or water) overland to sea
 Seasonal Discharge ✓ Wetlands Treatment Some Trench
 Solid Waste: Owner/Operator: WPCA / Hamlet
 Landfill Burn & Landfill ✓ Other

Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable

Discharge Quality A Decant Structures A Erosion N/A
 Disch. Meas. Dev. N/A Dyke Inspections N/A Seepages A
 Dams, Dykes N/A Freeboard A Spills N/A
 Construction N/A O & M Plan N/A A & R Plan N/A

Periods of Discharge: Seasonal Effluent Discharge Rate: unknown

Comments: The Sewage lagoon is a very large 2-cell structure. Effluent filters through the east berm, flows overland receiving some "wetlands treatment" before entering Turton Bay (about 350 m). The dump is well burnt and covered annually. Waste material is segregated.

FUEL STORAGE Owner G.N.W.T. Operator contractor Condition of Tanks Satisfactory
 Berms & Liners Satisfactory Water within berm: no Evidence of Leaks no
 Drainage Pipes not inspected Pump Station and Catchment Berm Satisfactory
 Pipeline Condition Satisfactory Not Applicable: ✓

SURVEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) not required
 (DIAND) Water Reservoir, South Lake, Sewage effluent.
 Signs Posted: SNP not required Warning See note.
 Records & Reporting: Hamlet keeps detailed water delivery records. No reporting requirements.
 Geotechnical Inspection: Not Applicable.

Non-Compliance of Act or Licence: Hamlet does not have a water licence. Licensing requirements and procedure was discussed with the SAO (Nicole Tessier). SAO was agreeable to submitting an application to the NWOT Water Board.
 Page 2 attached ✓ Yes No

Nicole Tessier S.A.O.
 Licensee Representative's Title
Hamlet

Paul Smith
 Inspector's Name

Nicole Tessier S.A.O.
 Licensee Representative's Signature
Hamlet

Paul Smith
 Inspector's Signature

MUNICIPAL WATER USE INSPECTION FORM

(continued)

Date: July 22, 1994

Licence #: Unlicensed

Official Onsite Discussion/Comments:

No concerns were noted with the water supply system.

The Hamlet is commended for the work they have done with their entire waste disposal system. The Hamlet has increased the size of the sewage lagoon (additional cell added last year) and dredges the bottom to ensure that the seepage system of the lagoon is maintained. The additional cell was added to deal with all the communities sewage during the winter.

The dump is well burnt and is regularly covered with granular material. Despite being unfenced, there is relatively little wind blown garbage - a testament to the regularity of burning and burying of the waste.

All waste metal is segregated from the burnable domestic waste.

The Hamlet also operates a waste oil furnace.

A properly constructed bermed area is used to contain the sewage from the 23 houses that are still on bagged sewage.

Warning signs should be posted at the dump and sewage disposal areas. The warning sign @ the reservoir should be repaired.

Nicole Leston SAO
Licensee Representative's Signature
Hamlet

[Signature]
Inspector's Signature