



DIAND Nunavut District  
Box 100  
Iqaluit, NT  
XOA OHO

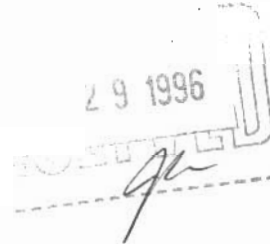
Your file    Votre référence

Our file    Notre référence

October 11, 1996

B9545-5-N5L4-1441

Mr. Raymond Kaslak  
Senior administrative Officer  
Hamlet of Kimmirut  
Kimmirut, NT  
XOA ONO



Dear Mr. Kaslak,

Inspection Report and Water Quality Analysis Report - August 7, 1996

1. Please find attached a copy of the inspection report prepared as a result of the inspection of August 7, 1996.
2. There are several areas that have remained unaddressed since this inspection. All of these areas are covered under the water licence and must be addressed. These issues are:
  - submission of the 1995 Annual report. To date, this report has not yet been submitted to the Nunavut Water Board;
  - a new warning sign is required at the sewage pit;
  - SNP Station signs are required at locations 1441-1, -3 and -4;
  - an Operation and Maintenance Plan is required for the dump and sewage disposal facilities. Enclosed is a copy of a previously approved plan. This may assist you in the preparation of your own plan. As well, refer to Part C, Item 7 which details the required topics to be addressed;
  - samples of sewage (on the beach) must be collected on a monthly basis during the summer. Refer to SNP Part B, Item for the parameters that must be tested for. As in the past, this office is willing to assist in the collection of these samples by providing the necessary bottles, preservatives and advice.

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3. Also note that the deadline for the submission of a proposal for the upgrading of the sewage disposal system is March 31, 1997. Contact MACA for assistance in completing this proposal.

4. With respect to the analytical water results for potable water (SNP 1447-1), all parameters tested for were within the Health and Welfare *Guidelines for Canadian Drinking Water Quality*.

5. If you have any questions, please do not hesitate to contact me at the above address or by phone at (819)-979-4405.

Sincerely,



Paul Smith  
Water Resources Officer  
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven  
- Water Resources Division, DIAND, YK  
- MACA, GNWT, Iqaluit

DIAN & NORTHERN AFFAIRS  
WATER RESOURCES LABORATORY  
Box 1500  
Yellowknife, NT. X1A 2R3  
Tel. (403) 920-8129  
Fax. (403) 873-9300

To: Hamlet of Lake Harbour  
c/o DIAND  
Baffin District Office ( SEP 16 1996  
Box 100  
==> Iqaluit NT X0A\_0H0  
Paul Smith  
**RECEIVED**  
**D.I.A.N.D.**  
3/9 Iqaluit, NT

SAMPLE INFORMATION

Our Lab # : 961314  
Your Sample ID: 1441-1  
Sample Matrix : water

Account No.: N5L41441

Collection:  
Location: Lake Harbour  
Date: 08/07/96  
By: R.S.

Report Date: 08/30/96

Approved by: *W. Wood*

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
961314	Alkalinity	48.1 mg/L	0.300	10101
	T.Aluminum(ICP-MS)	2.6 ug/L	0.500	100107
	Calcium	17.50 mg/L	0.040	20103
	T.Cadmium ICP-MS	LO.1 ug/L	0.100	100133
	Chloride	2.99 mg/L	0.080	17206
	Colour	L5 Colour	5.000	02021
	Conductivity	117.0 uS/cm	0.100	02041
	T.Cobalt ICP-MS	LO.1 ug/L	0.100	100115
	T.Chromium ICP-MS	1.5 ug/L	0.200	100111
	T.Copper ICP-MS	0.6 ug/L	0.100	100119
	Filt.Residue	72 mg/L	10.000	10451
	Tot.Hardness	55.0 mg/L	0.100	10602
	Potassium	0.34 mg/L	0.050	19106
	Magnesium	2.74 mg/L	0.010	12102
	T.Manganese ICP-MS	2.5 ug/L	0.100	100113
	Sodium	1.63 mg/L	0.040	11102
	Non Filt Residue	L3 mg/L	3.000	10406
	Ammonia-N	LO.002 mg/L	0.002	07562
	T.Nickel ICP-MS	1.2 ug/L	0.100	100117
	T.Lead ICP-MS	LO.2 ug/L	0.200	100145
	pH	7.95 pH	0.050	10301
	T.Arsenic(Hydride)	LO.3 ug/L	0.300	33011
	T.Iron	7 ug/L	3.000	26002
	Turbidity	0.5 NTU	0.100	02081
	T.Zinc ICP-MS	LO.5 ug/L	0.500	100121





## MUNICIPAL WATER USE INSPECTION FORM

DATE: August 7/96 COMPANY REP.: Raymond Kaslak (SAs)  
LICENSEE: Hamlet of Lake Harbour LICENCE #: NSL4-1441

### WATER SUPPLY

Source (s): Lake Fudo Quantity Used (to date): ~ 1400 m<sup>3</sup>/month  
(estimate or actual)  
Owner/Operator: GNWT / Hamlet

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

Intake Facilities: A Storage Structure N/A Treatment Systems A Chem. Storage A

Flow Meas. Device A Convey. Lines N/A Pumping Stations A

Comments: New truckfill station - completed last fall.  
Runoff water from nearby quarry drains into lake

### WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Domestic - Some settling

Natural Water body \_\_\_\_\_ Continuous Discharge (land or water) Oxland to sea

Seasonal Discharge \_\_\_\_\_ Wetlands Treatment Some Trench \_\_\_\_\_

Solid Waste: Owner/Operator: GNWT / Hamlet  
Landfill \_\_\_\_\_ Burn & Landfill ✓ Other \_\_\_\_\_

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

Disch. Quality No samples collected Decant Structure N/A Erosion A

Disch. Meas. Dev. N/A Dyke Inspection N/A Seepages N/A

Dams, Dykes N/A Freeboard ✓ Spills See note 1

Construction N/A O & M Plan ✓ A & R Plan N/A

Periods of Discharge: Continuous Effluent Discharge Rate: Varies

Comments: Sewage disposal facilities are unacceptable.  
Sewage is dumped in a pit where it flows down a hill  
(at base of dump) over some land with heavy vegetation growth  
and into the sea - total distance ~ 400 m

### FUEL STORAGE

Owner: GNWT Operator: Contractor Condition of Tanks One tank, one old

Berms & Liners being rebuilt Water within berm: N/A Evidence of Leaks: N/A

Drainage Pipes \_\_\_\_\_ Pump Station and Catchment Berm \_\_\_\_\_

Pipeline Condition being rebuilt Not Applicable: ✓

### SURVEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) Have collected no samples  
(DIAND) 1441-1 (Potable water)

Signs Posted: SNP N/A Warning Warning sign 1441-1; replaced regular

Record & Reporting Hamlet maintains detailed @ sewage disposal

Water delivery records, but has yet to submit their 1995 Annual Rep't

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Licencee has failed to submit their 1995

Annual Report, has not yet posted spill station sign, has not  
collected any water samples per JLP requirements.

Note 1 - Waste oil (above dump) area poorly maintained. Heavy staining  
in area is visible.

Page 2 attached Yes ✓ No ✓

Licensee Representatives Title

Not Available

Licensee Representatives Signature

Inspectors Name

Paul Smith

Inspectors Signature