



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

February 5, 1998

B9545-5-N4L3-0640

Mr. Don Pickle
Senior Administrative Officer
Hamlet of Broughton Island
Broughton Island, NT
XOA OBO

Dear Don,

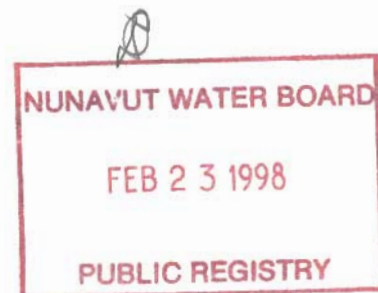
Re: Analytical Results from July 29, 1997 Inspection

1. Attached are the analytical results for the water sample collected during the last inspection. This sample was collected from the Tulugak River (summer water supply).
2. The results indicate that the quality of the drinking water meets the Canadian Health and Welfare Drinking Water Guidelines for those parameters tested with the exception of the pH. Health and Welfare guidelines recommend a pH between 6.5 and 8.5.
3. In the past, this situation has been addressed with the addition of a small amount of lime to water trucks as they are filling.
4. This office recommends additional testing at the reservoir and if deemed necessary, the use of lime to raise the pH.
5. Please do not hesitate to contact this office if you have any questions regarding these results.

Sincerely,

Paul Smith
Water Resources Officer
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven
- DIAND Water Resources, YK
- MACA, Iqaluit (Tanya Smith)
- Public Health, Iqaluit (Nicole Ritchie)



TAIGA ENVIRONMENTAL LABORATORY
Dept. Indian Affairs & Northern Development
4601-52 nd Ave., Box 1500
Yellowknife, NT. X1A 2R3
Tel. (403) 669-2788
Fax: (403) 669-2718

To: N4L4-0640

WATER RESOURCES/NAPINAC
NUNAVUT DISTRICT
BOX 100
IQALUIT NT X0A 0H0
PAUL SMITH

RECEIVED

SEP 17 1997

D.I.A.N.D.

IQALUIT, NT

SAMPLE INFORMATION

Our Lab#: 971401

Account No:

Your Sample ID: Hamlet of Broughton Is. raw water

Sample Matrix: water

Collection:

Location: raw water

Date: 7/29/97

By: Paul Smith

Received Date: 06-August-1997

Report Date: 03-Sep-97

Approved By: W. Leach

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971401						
	pH	6.00 <i>low</i>	pH	0.05	8/8/98	010301
	Conductivity	16.7	uS/cm	0.3	8/8/97	02041
	Alkalinity	0.5	mg/L	0.3	8/8/97	010101
	Fluoride	L0.05	mg/L	0.05	8/13/97	009105
	Colour	L5		5.00	8/7/97	02021
	Turbidity	0.4	NTU	0.1	8/7/97	002081
	Tot-Suspended-Solids	L3	mg/L	3	8/6/97	grav
	Tot-Diss-Solids	14.0	mg/L	10.0	8/2/97	grav
	Calcium	0.25	mg/L	0.03	8/7/97	20103
	Magnesium	0.272	mg/L	0.005	8/7/97	012102
	Sodium	2.01	mg/L	0.02	8/8/97	011102
	Potassium	0.114	mg/L	0.002	8/8/97	019106
	Tot-Mercury(water)	L0.001	ug/L	0.01	9/2/97	080314
	Tot-Arsenic(water)	L0.2	ug/L	0.2	8/12/97	hydride

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971401

Tot-Cadmium(ICP-MS)	54	L0.1	ug/L	0.1	8/14/97	ICP-MS
Tot-Cobalt(ICP-MS)		0.1	ug/L	0.1	8/14/97	ICP-MS
Tot-Chromium(ICP-MS)	20 ug	0.3	ug/L	0.2	8/14/97	ICP-MS
Tot-Copper(ICP/MS)	5 µl	0.5	ug/L	0.1	8/14/97	ICP-MS
Tot-Iron(AA)	0.012	0.012	mg/L	0.012	8/6/97	ICP-MS
Tot-Manganese(ICP-MS)		0.8	ug/L	0.1	8/14/97	ICP-MS
Tot-Nickel(ICP-MS)		L0.1	ug/L	0.1	8/14/97	ICP-MS
Tot-Lead(ICP-MS)	1 µl	L0.2	ug/L	0.2	8/14/97	ICP-MS
Tot-Zinc(ICP-MS)	30 µl	L0.5	ug/L	0.5	8/14/97	ICP-MS