



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file: Votre référence:

Our file: Notre référence:

February 10, 1998

B9545-5-N4L4-1571

Mr. Dan Leaman
Senior Administrative Officer
Hamlet of Resolute Bay
Resolute Bay, NT
XOA OVO

Dear Mr. Leaman;

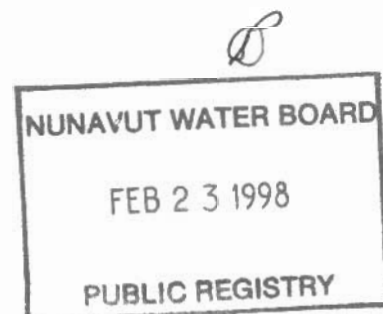
Re: Analytical Results from July 8, 1997 Inspection

1. Attached are the analytical results for the water samples collected during the last inspection. These samples were collected from Char Lake, sewage effluent and below the dump (leachate).
2. The results indicate that the quality of the drinking water meets the Canadian Health and Welfare Drinking Water Guidelines for those parameters tested. There are no concerns with the quality of the drinking water.
3. With the exception of fecal coliform, the sewage effluent quality is really quite good. This is due solely to the amount of dilution that household waste is subjected to prior to being discharged.
4. 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: NUNAVUT
WATER RESOURCES, NAP, DIAND
BOX 100
IQALUIT NT X0A 0H0
PAUL SMITH

1571

SAMPLE INFORMATION

Our Lab#: 971070
Your Sample ID: 1571-1
Sample Matrix: water

Account No:

Collection:

Location: Hamlet of Resolu
Date: 08/07/97
By: PSmith

Received Date: july/09/97

Report Date: 30-Jul-97

Approved By: P. Smith

21/8

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971070	pH	8.08	pH	0.05	09/07/97	010301
	Conductivity	134	uS/cm	0.3	09/07/97	02041
	Colour	L5		5.00	18/07/97	02021
	Alkalinity	59.6	mg/L	0.3	09/07/97	010101
	Turbidity	3.1	NTU	0.1	14/07/97	002081
	Tot-Suspended-Solids	3	mg/L	3	11/07/97	grav
	NO3-N+NO2-N	0.010	mg/L	0.008	09/07/97	07110
	Calcium	18.1	mg/L	0.03	16/07/97	20103
	Potassium	0.539	mg/L	0.002	11/07/97	019106
	Magnesium	2.91	mg/L	0.005	16/07/97	012102
	Sodium	3.79	mg/L	0.02	11/07/97	011102
	Tot-Mercury(water)	0.07	ug/L	0.01	10/07/97	080314
	Tot-Arsenic(water)	L0.2	ug/L	0.2	15/07/97	hydride
	Tot-Cadmium(ICP-MS)	0.1	ug/L	0	15/07/97	ICP-MS
	Tot-Cobalt(ICP-MS)	0.1	ug/L	0.1	15/07/97	ICP-MS
	Tot-Chromium(ICP-MS)	0.2	ug/L	0	15/07/97	ICP-MS
	Tot-Copper(ICP/MS)	0.4	ug/L	0	15/07/97	ICP-MS
	Tot-Iron(AA)	0.153	mg/L	0.012	17/07/97	ICP-MS
	Tot-Manganese(ICP-MS)	2.7	ug/L	0	15/07/97	ICP-MS

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PAUL SMITH

971070

Tot-Nickel(ICP-MS)	0.5	ug/L	0	15/07/97	ICP-MS
Tot-Lead(ICP-MS)	0.2	ug/L	0	15/07/97	ICP-MS
Tot-Zinc(ICP-MS)	L5	ug/L	5.0	17/07/97	ICP-MS

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PAUL SMITH

SAMPLE INFORMATION

Our Lab#: 971071
Your Sample ID: 1571-3
Sample Matrix: ~~water~~ Sewage

Account No:

Collection:

Location: Hamlet of Resolu
Date: 7/8/97
By: PSmith

Received Date: 10-July-1997

Report Date: 23-Jul-97

Approved By: W. Leedy

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971071	pH	8.00	pH	0.05	7/9/97	010301
	Conductivity	201	uS/cm	0.5	7/9/97	02041
	Tot-Suspended-Solids	15	mg/L	3	7/11/97	grav
	Ammonia-N	0.561	mg/L	0.005	7/15/97	007562
	Tot-Coliforms	2600000	CFU/dL	1	7/10/97	036002
	Bio-Oxy-Demand	15	mg/L	2	7/9/97	08208

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To: NUNAVUT
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IQUALUIT NT X0A 0H0
PAUL SMITH

SAMPLE INFORMATION

Our Lab#: 971072
Your Sample ID: 1571-5
Sample Matrix: ~~water~~ dump leachate

Account No:

Collection:

Location: Hamlet of Resolu
Date: 08/07/97
By: PSmith

Received Date: july/09/97

Report Date: 29-Jul-97

Approved By: 1. C.

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971072						
	Tot-Cadmium(ICP-MS)	0.1	ug/L	0	15/07/97	ICP-MS
	Tot-Cobalt(ICP-MS)	1.7	ug/L	0.1	15/07/97	ICP-MS
	Tot-Chromium(ICP-MS)	1.4	ug/L	0	15/07/97	ICP-MS
	Tot-Copper(ICP/MS)	85.2	ug/L	0	15/07/97	ICP-MS
	Tot-Iron(AA)	0.064	mg/L	0.012	17/07/97	ICP-MS
	Tot-Manganese(ICP-MS)	20.0	ug/L	0	15/07/97	ICP-MS
	Tot-Nickel(ICP-MS)	4.4	ug/L	0	15/07/97	ICP-MS
	Tot-Lead(ICP-MS)	3.2	ug/L	0	15/07/97	ICP-MS
	Tot-Zinc(ICP-MS)	45.0	ug/L	0	17/07/97	ICP-MS