



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

February 16, 1998

B9545-5-N6L4-1191

Mr. Dennis Zettler
Senior Administrative Officer
Hamlet of Baker Lake
Baker Lake, NT
XOC OAO

Dear Mr. Zettler,

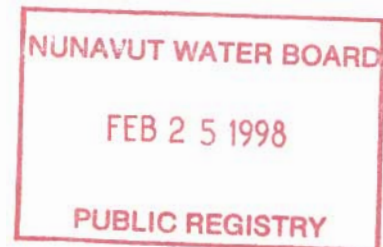
Re: Analytical Results from August 6, 1997 Inspection

1. Attached are the analytical results for the water samples collected during the last inspection. These samples were collected from the Truckfill station (1191-1) and sewage effluent as it enters Airplane Lake (1191-2).
2. The results indicate that the quality of the drinking water meets the Canadian Health and Welfare Drinking Water Guidelines for those parameters tested.
3. Likewise, sewage samples at Airplane Lake indicate that the wetlands treatment that the Hamlet uses provides significant treatment - better than tertiary level treatment in some cases.
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
 - RMO, DIAND, Rankin Inlet
 - MACA, Rankin Inlet (Don Forsyth)
 - Public Health, Rankin Inlet (Bill Rideout)



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

SAMPLE INFORMATION

RECEIVED

Our Lab#: 971431
Your Sample ID: 1191-2
Sample Matrix: EFFLUENT GR

Account No:

SEP 11 1997

D.I.A.N.D.
DIAND

Collection:

Location: HAMLET OF B

Date: 8/6/97

By: PSMITH

Received Date: 11-August-1997

Report Date: 03-Sep-97

Approved By: W. Smith

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971431	pH	7.45	pH	0.05	8/8/98	010301
	Conductivity	108	uS/cm	0.3	8/8/97	02041
	Alkalinity	35.6	mg/L	0.3	8/8/97	010101
	Calcium	10.8	mg/L	0.03	8/15/97	20103
	Magnesium	1.56	mg/L	0.005	8/15/97	012102
	Sodium	7.23	mg/L	0.02	8/15/97	011102
	Potassium	1.48	mg/L	0.002	8/15/97	019106
	Chloride	7.87	mg/L	0.08	8/20/97	17206
	Turbidity	6.1	NTU	0.1	8/8/97	002081
	Tot-Suspended-Solids	4	mg/L	3	8/11/97	grav
	Tot-Diss-Solids	76.0	mg/L	10.0	8/11/97	grav
	Tot-Mercury(water)	L0.001	ug/L	0.01	9/2/97	080314
	Tot-Arsenic(water)	0.7	ug/L	0.2	8/12/97	hydride
	Tot-Cadmium(ICP-MS)	L0.1	ug/L	0.1	8/12/97	ICP-MS

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971431

Tot-Cobalt(ICP-MS)	L0.1	ug/L	0.1	8/12/97	ICP-MS
Tot-Chromium(ICP-MS)	L2	ug/L	2.0	8/12/97	ICP-MS
Tot-Copper(ICP/MS)	3.0	ug/L	0.1	8/12/97	ICP-MS
Tot-Manganese(ICP-MS)	94.2	ug/L	0.1	8/12/97	ICP-MS
Tot-Iron(AA)	1.08	mg/L	0.012	8/13/97	ICP-MS
Tot-Nickel(ICP-MS)	0.8	ug/L	0.1	8/12/97	ICP-MS
Tot-Lead(ICP-MS)	L0.2	ug/L	0.2	8/12/97	ICP-MS
Tot-Zinc(ICP-MS)	L5	ug/L	5.0	8/12/97	ICP-MS
NO3-N+NO2-N	0.484	mg/L	0.008	8/21/97	07110
Ammonia-N	0.027	mg/L	0.002	8/13/97	007562
Tot-Coliforms	1300	CFU/dL	1	8/8/97	036002
Faecal_Coliform	31	CFU/dL	1	8/12/97	036014
Bio-Oxy-Demand	8	mg/L	2	8/13/97	08208
Colour	45.0		5.00	8/8/97	02021

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SAMPLE INFORMATION

RECEIVED

Our Lab#: 971430
Your Sample ID: 1191-1
Sample Matrix: WATER GRAB

Account No:

SEP 11 1997

D.I.A.N.D.
IQALUIT, NT

Collection:

Received Date: 11-August-1997

Location: HAMLET OF B

Report Date: 03-Sep-97

Date: 8/6/97

Approved By: W. Smith

By: PSMITH

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971430						
	pH	6.97	pH	0.05	8/8/98	010301
	Fluoride	0.07	mg/L	0.05	8/13/97	009105
	Conductivity	177	uS/cm	0.3	8/8/97	02041
	Alkalinity	8.0	mg/L	0.3	8/8/97	010101
	Calcium	3.09	mg/L	0.03	8/15/97	20103
	Magnesium	3.53	mg/L	0.005	8/15/97	012102
	Sodium	20.5	mg/L	0.02	8/15/97	011102
	Potassium	1.16	mg/L	0.002	8/15/97	019106
	Chloride	39.7	mg/L	0.08	8/20/97	17206
	Turbidity	2.9	NTU	0.1	8/8/97	002081
	Tot-Suspended-Solids	L3	mg/L	3	8/11/97	grav
	Tot-Diss-Solids	100	mg/L	10.0	8/11/97	grav
	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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971430

Tot-Cadmium(ICP-MS)	L0.1	ug/L	0.1	8/12/97	ICP-MS
Tot-Cobalt(ICP-MS)	L0.1	ug/L	0.1	8/12/97	ICP-MS
Tot-Chromium(ICP-MS)	L2	ug/L	2.0	8/12/97	ICP-MS
Tot-Copper(ICP/MS)	1.2	ug/L	0.1	8/12/97	ICP-MS
Tot-Manganese(ICP-MS)	3.6	ug/L	0.1	8/12/97	ICP-MS
Tot-Iron(AA)	0.037	mg/L	0.012	8/13/97	ICP-MS
Tot-Nickel(ICP-MS)	L0.1	ug/L	0.1	8/12/97	ICP-MS
Tot-Lead(ICP-MS)	L0.2	ug/L	0.2	8/12/97	ICP-MS
Tot-Zinc(ICP-MS)	11.4	ug/L	0.5	8/12/97	ICP-MS
Colour	5.00		5.00	8/8/97	02021