



DIAND NWT Region
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

November 14, 1994

Mr. Levi Killiktee
Senior Administrative Officer
Hamlet of Grise Fiord
Grise Fiord, NT
XOA OJO

B9545-5-G9

Grise Fiord

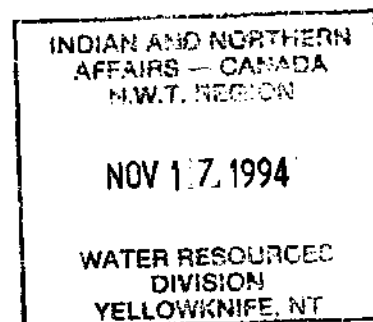
Dear Mr. Killiktee;

Re: Water Analysis Results; August 10, 1994 Inspection

1. Attached, for your information, are the results from the analysis of the water samples collected during my August 10, 1994 inspection.
2. The results indicate that the drinking water meets the Canadian Health and Welfare Drinking Water Guidelines for the parameters tested for.
3. Please also find attached a bilingual (Inuktitut / English) information package that will explain the various parameters that were tested for.
4. Also enclosed for your information is a copy of the Canadian Health and Welfare Guidelines.
5. If you have any questions, please do not hesitate to contact this office.

Sincerely,

Paul Smith
Water Resources Officer
Nunavut District



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

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

To: Hamlet of Grise Fiord
c/o DIAND
Baffin District Office
Box 100
==> Iqaluit NT X0A 0H0
Paul Smith

SAMPLE INFORMATION

Our Lab # : 941633
Your Sample ID: GF-04
Sample Matrix : Water

Account No.: Grise

Collection:
Location: Grise Fiord: Fresh H2O
Date: 08/10/94
By: PS

Report Date: 11/07/94

Approved by: J. G.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941633	Alkalinity	38.5 mg/L	0.300	10101
	Calcium	11.90 mg/L	0.040	20103
	T.Cadmium ICP-MS	LO.1 ug/L	0.100	100133
	Chloride	1.46 mg/L	0.080	17206
	Colour	8 Colour	5.000	02021
	Conductivity	90.2 uS/cm	0.100	02041
	T.Cobalt ICP-MS	LO.1 ug/L	0.100	100115
	T.Chromium ICP-MS	0.5 ug/L	0.200	100111
	T.Copper ICP-MS	1.7 ug/L	0.100	100119
	Filt.Residue	54 mg/L	10.000	10451
	Tot.Hardness	40.0 mg/L	0.100	10602
	Potassium	0.16 mg/L	0.050	19106
	Magnesium	2.50 mg/L	0.010	12102
	T.Manganese ICP-MS	0.5 ug/L	0.100	100113
	Sodium	1.73 mg/L	0.040	11102
	Non-Filt_Res.	L3 mg/L	3.000	10406
	T.Nickel ICP-MS	0.9 ug/L	0.100	100117
	Nitrate	0.013 mg/L	0.008	7301
	NO3-N+NO2-N	0.013 mg/L	0.008	07110
	.Lead ICP-MS	0.6 ug/L	0.200	100145
	pH	7.73 pH	0.050	10301
	T.Arsenic-Hyd.	LO.3 ug/L	0.300	33011
	T. Iron	7 ug/L	3.000	
	T-Phosphorous	LO.002 mg/L	0.002	15403
	Turbidity	0.4 NTU	0.100	02081
	T.Zinc ICP-MS	0.5 ug/L	0.500	100121

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==> Iqaluit NT X0A 0H0
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SAMPLE INFORMATION

Our Lab # : 941632
Your Sample ID: GF-03
Sample Matrix : Water

Account No.: Grise

Collection:

Location: Grise Fiord: West River
Date: 08/10/94
By: PS

Report Date: 11/07/94

Approved by: J. L.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941632	Alkalinity	53.1 mg/L	0.300	10101
	Calcium	18.70 mg/L	0.040	20103
	T.Cadmium ICP-MS	LO.1 ug/L	0.100	100133
	Chloride	1.09 mg/L	0.080	17206
	Colour	L5 Colour	5.000	02021
	Conductivity	113.7 uS/cm	0.100	02041
	T.Cobalt ICP-MS	LO.1 ug/L	0.100	100115
	T.Chromium ICP-MS	LO.2 ug/L	0.200	100111
	T.Copper ICP-MS	0.3 ug/L	0.100	100119
	Filt.Residue	74 mg/L	10.000	10451
	Tot.Hardness	57.4 mg/L	0.100	10602
	Potassium	0.16 mg/L	0.050	19106
	Magnesium	2.60 mg/L	0.010	12102
	T.Manganese ICP-MS	2.8 ug/L	0.100	100113
	Sodium	0.57 mg/L	0.040	11102
	Non-Filt. Res.	3 mg/L	3.000	10406
	T.Nickel ICP-MS	0.1 ug/L	0.100	100117
	Nitrate	0.035 mg/L	0.008	7301
	NO3-N+NO2-N	0.035 mg/L	0.008	07110
	.Lead ICP-MS	0.9 ug/L	0.200	100145
	pH	7.94 pH	0.050	10301
	T.Arsenic-Hyd.	LO.3 ug/L	0.300	33011
	T. Iron	202 ug/L	20.000	26004
	T-Phosphorous	0.017 mg/L	0.002	15403
	Turbidity	4.5 NTU	0.100	02081
	T.Zinc ICP-MS	L5 ug/L	5.000	100121

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SAMPLE INFORMATION

Our Lab # : 941631
Your Sample ID: GF-01
Sample Matrix : sewage

Account No.: Grise

Collection:
Location: Grise Fiord - sewage effl
Date: 08/10/94
By: PS

Report Date: 11/07/94

Approved by: J. G.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941631	T.Cadmium ICP-MS	0.2 ug/L	0.100	100133
	T.Cobalt ICP-MS	2.1 ug/L	0.100	100115
	T.Chromium ICP-MS	10.2 ug/L	0.200	100111
	T.Copper ICP-MS	9.3 ug/L	0.100	100119
	Filt.Residue	344 mg/L	10.000	10451
	T.Manganese ICP-MS	175.0 ug/L	0.100	100113
	Non-Filt Res.	4 mg/L	3.000	10406
	Ammonia-N	9.040 mg/L	0.002	07562
	T.Nickel ICP-MS	5.5 ug/L	0.100	100117
	Nitrate	0.517 mg/L	0.008	7301
	NO3-N+NO2-N	0.527 mg/L	0.008	07110
	.Lead ICP-MS	1.9 ug/L	0.200	100145
	T.Arsenic-Hyd.	0.5 ug/L	0.300	33011
	T. Iron	1300 ug/L	20.000	26004
	T.Mercury-C/V	0.02 ug/L	0.020	80011
	T-Phosphorous	1.580 mg/L	0.002	15403
	Turbidity	6.8 NTU	0.100	02081
	T.Zinc ICP-MS	58.0 ug/L	5.000	100121