



Indian and Northern
Affairs Canada

Affaires Indiennes
du Nord Canada

DIAND NWT Region
Box 100
Iqaluit, NT
XOA OHO

October 31, 1994

Mr. Chuck Gilhuly
Senior Administrative Officer
Municipality of Cape Dorset
Cape Dorset, NT
XOA OCO

Your file Votre référence

Our file Notre référence
B9545-5-C15

Cape Dorset.

Dear Mr. Gilhuly;

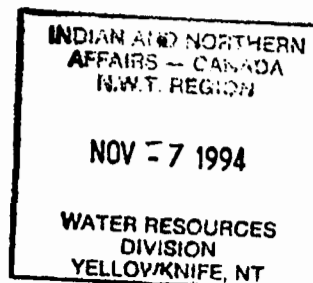
Re: Water Analysis Results; July 14, 1994 Inspection

1. Attached, for your information, are the results from the analysis of the water samples collected during my July 14, 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)



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

To: Water Resources
Water Resources\NAP
Baffin District Office
Box 100
=> Iqaluit NT X0A 0H0
Paul Smith

SAMPLE INFORMATION

Our Lab # : 941231
Your Sample ID: CD-2
Sample Matrix : water

Account No.: Baffin

Collection:
Location: Cape Dorset Water Mgt.Ins
Date: 07/14/94
By: PS

Report Date: 10/15/94

Approved by: J. L.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941231	Alkalinity	4.7 mg/L	0.300	10101
	Calcium	2.40 mg/L	0.040	20103
	T.Cadmium ICP-MS	LO.1 ug/L	0.100	100133
	Chloride	4.07 mg/L	0.080	17206
	Colour	L5 Colour	5.000	02021
	Conductivity	33.9 uS/cm	0.100	02041
	T.Cobalt ICP-MS	LO.1 ug/L	0.100	27009
	T.Chromium ICP-MS	0.3 ug/L	0.200	24009
	T.Copper ICP-MS	0.3 ug/L	0.100	100119
	Filt.Residue	46 mg/L	10.000	10451
	Tot.Hardness	8.5 mg/L	0.100	20103
	Potassium	0.24 mg/L	0.050	19106
	Magnesium	0.60 mg/L	0.010	20103
	T.Manganese ICP-MS	0.8 ug/L	0.100	100113
	Sodium	2.67 mg/L	0.040	11102
	Non-Filt_Res.	L3 mg/L	3.000	10406
	T.Nickel ICP-MS	LO.1 ug/L	0.100	100117
	NO3-N+NO2-N	LO.008 mg/L	0.008	07110
	T.Lead ICP-MS	LO.2 ug/L	0.200	100145
	pH	6.59 pH	0.050	10301
	T.Arsenic-Hyd.	LO.3 ug/L	0.300	33011
	T. Iron	6 ug/L	3.000	26002
	T.Mercury-C/V	0.18 ug/L	0.020	80011
	T-Phosphorous	0.007 mg/L	0.002	15403
	Turbidity	0.3 NTU	0.100	02081
	T.Zinc ICP-MS	0.7 ug/L	0.500	100121

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==> Iqaluit NT X0A 0H0
Paul Smith

SAMPLE INFORMATION

Our Lab # : 941232
Your Sample ID: CD-3
Sample Matrix : water

Account No.: Baffin

Collection:
Location: Cape Dorset Water Mgt.Ins
Date: 07/14/94
By: PS

Report Date: 10/15/94

Approved by: J. G.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941232	Alkalinity	9.5 mg/L	0.300	10101
	Calcium	4.40 mg/L	0.040	20103
	T.Cadmium ICP-MS	10.1 ug/L	0.100	100133
	Chloride	3.05 mg/L	0.080	17206
	Colour	15 Colour	5.000	02021
	Conductivity	41.7 uS/cm	0.100	02041
	T.Cobalt ICP-MS	0.1 ug/L	0.100	27009
	T.Chromium ICP-MS	1.8 ug/L	0.200	24009
	T.Copper ICP-MS	1.2 ug/L	0.100	100119
	Filt.Residue	34 mg/L	10.000	10451
	Tot.Hardness	13.9 mg/L	0.100	20103
	Potassium	0.46 mg/L	0.050	19106
	Magnesium	0.70 mg/L	0.010	20103
	T.Manganese ICP-MS	2.7 ug/L	0.100	100113
	Sodium	2.52 mg/L	0.040	11102
	Non-Filt. Res.	13 mg/L	3.000	10406
	T.Nickel ICP-MS	0.2 ug/L	0.100	100117
	NO3-N+NO2-N	10.008 mg/L	0.008	07110
	T.Lead ICP-MS	0.3 ug/L	0.200	100145
	pH	6.99 pH	0.050	10301
	T.Arsenic-Hyd.	10.3 ug/L	0.300	33011
	T. Iron	64 ug/L	3.000	26002
	T-Phosphorous	0.007 mg/L	0.002	15403
	Turbidity	3.0 NTU	0.100	02081
	T.Zinc ICP-MS	2.4 ug/L	0.500	100121

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==> Iqaluit NT X0A 0H0
Paul Smith

SAMPLE INFORMATION

Our Lab # : 941233
Your Sample ID: CD-4
Sample Matrix : water

Account No.: Baffin

Collection:
Location: Cape Dorset Water Mgt.Ins
Date: 07/15/94
By: PS

Report Date: 09/30/94

Approved by: f. G.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941233	Alkalinity	445.5 mg/L	0.300	10101
	Calcium	84.80 mg/L	0.040	20103
	Colour	40 Colour	5.000	02021
	Conductivity	1115.0 uS/cm	0.100	02041
	Filt.Residue	656 mg/L	10.000	10451
	Tot.Hardness	287.0 mg/L	0.100	20103
	Potassium	20.20 mg/L	0.050	19106
	Magnesium	18.30 mg/L	0.010	20103
	Sodium	49.10 mg/L	0.040	11102
	Non-Filt Res.	72 mg/L	3.000	10406
	Ammonia-N	44.800 mg/L	0.002	07562
	NO3-N+NO2-N	0.041 mg/L	0.008	07110
	pH	7.38 pH	0.050	10301
	T-Phosphorous	7.060 mg/L	0.002	15403
	Turbidity	39.4 NTU	0.100	02081

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Baffin District Office
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==> Iqaluit NT X0A 0H0
Paul Smith

SAMPLE INFORMATION

Our Lab # : 941234
Your Sample ID: CD-7
Sample Matrix : water

Account No.: Baffin

Collection:
Location: Cape Dorset Water Mgt.Ins
Date: 07/15/94
By: PS

Report Date: 10/24/94

Approved by: 7.0

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941234	Alkalinity	255.2 mg/L	0.300	10101
	Calcium	387.00 mg/L	0.040	20103
	T.Cadmium ICP-MS	0.2 ug/L	0.100	100133
	Colour	190 Colour	5.000	02021
	Conductivity	1940.0 uS/cm	0.100	02041
	T.Cobalt ICP-MS	20.2 ug/L	0.100	100115
	T.Chromium ICP-MS	0.4 ug/L	0.200	100111
	T.Copper ICP-MS	42.9 ug/L	0.100	100119
	Filt.Residue	1730 mg/L	10.000	10451
	Tot.Hardness	1159.0 mg/L	0.100	20103
	Potassium	21.70 mg/L	0.050	19106
	Magnesium	46.80 mg/L	0.010	20103
	T.Manganese ICP-MS	5380.0 ug/L	0.100	100113
	Sodium	73.90 mg/L	0.040	11102
	Non-Filt Res.	40 mg/L	3.000	10406
	T.Nickel ICP-MS	32.1 ug/L	0.100	100117
	NO3-N+NO2-N	0.010 mg/L	0.008	07110
	T.Lead ICP-MS	1.7 ug/L	0.200	100145
	pH	7.15 pH	0.050	10301
	T.Arsenic-Hyd.	10.3 ug/L	0.300	33011
	T. Iron	16000 ug/L	20.000	26004
	T.Mercury-C/V	0.03 ug/L	0.020	80011
	T-Phosphorous	0.038 mg/L	0.002	15403
	Turbidity	61.1 NTU	0.100	02081
	T.Zinc ICP-MS	58.0 ug/L	5.000	100121