



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

February 6, 1998

B9545-5-N5L3-1634 (assigned)

Mr. Timoon Toonoo
Senior Administrative Officer
Hamlet of Cape Dorset
Cape Dorset, NT
XOA OCO

Dear Mr. Toonoo,

Re: Analytical Results from September 16, 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 and from the sewage discharge area.
2. The drinking water 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 turbidity levels which were 9.8 vs. the recommended 5.0. In addition, and from an aesthetic point of view, the colour was 20.0 which is above the 15.0 otherwise recommended.
3. There are some concerns with high turbidity levels as additional chlorine is required to properly treat drinking water. We recommend that an additional sample be collected. This office will provide the required sample bottle so that the sample could be collected and shipped at the same time that the monthly bacterial sampling is conducted by the Baffin Regional Health Services.
4. With respect to the sewage results, it is obvious that the current facility provides little in the way of treatment at this time of the year.
5. Please do not hesitate to contact this office if you have questions regarding any of these results or if you wish me to send you the sample bottle.

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)



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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

Our Lab#: 971849
Your Sample ID: Cape Dorset sewage effluent
Sample Matrix: water

Account No:

RECEIVED

Collection:

Location: Cape Dorset sew
Date: 16/09/97
By: Paul Smith

Received Date: sep/17/97

Report Date: 30-Sep-97

Approved By: J. E.

OCT 17 1997

DIAND

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- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971849						
	Turbidity	49.2	NTU	0.1	22/09/97	002081
	Tot-Suspended-Solids	87	mg/L	3	22/09/97	grav
	Ammonia-N	H 50.6	mg/L	0.002	26/09/97	007562
	Faecal_Coliform	2100000	CFU/dL	1	19/09/97	036014
	Bio-Oxy-Demand	195	mg/L	2	18/09/97	08208

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To: NUNAVUT
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PAUL SMITH

SAMPLE INFORMATION

Our Lab#: 971848
Your Sample ID: truckfill- Cape Dorset
Sample Matrix: water

Account No:

Collection:

Location: truckfill
Date: 9/16/97
By: Paul Smith

Received Date: 19-Sept-1997

Report Date: 07-Oct-97

Approved By: W. Cooley

RECEIVED

OCT 17 1997

D.I.A.N.D.

IQALUIT NT

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- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
971848						
	pH	7.02	pH	0.05	9/18/97	010301
	Conductivity	2.4	uS/cm	0.3	9/18/97	02041
	Alkalinity	6.6	mg/L	0.3	9/18/97	010101
	Colour	20.0		5.00	9/19/97	02021
	Turbidity	9.8	NTU	0.1	9/22/97	002081
	Tot-Suspended-Solids	4	mg/L	3	9/22/97	grav
	Fluoride	10.05	mg/L	0.05	9/24/97	009105
	Calcium	2.74	mg/L	0.03	9/26/97	20103
	Magnesium	0.711	mg/L	0.005	9/26/97	012102
	Sodium	3.61	mg/L	0.02	9/29/97	011102
	Tot-Cadmium(ICP-MS)	< 0.1	ug/L	0.1	9/25/97	ICP-MS
	Tot-Cobalt(ICP-MS)	0.3	ug/L	0.1	9/25/97	ICP-MS
	Tot-Chromium(ICP-MS)	0.3	ug/L	0.2	9/25/97	ICP-MS
	Tot-Copper(ICP/MS)	23.0	ug/L	0.1	9/25/97	ICP-MS

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971848

Tot-Manganese(ICP-MS)	4.5	ug/L	0.1	9/25/97	ICP-MS
Tot-Iron(AA)	0.367	mg/L	0.012	9/22/97	ICP-MS
Tot-Nickel(ICP-MS)	0.7	ug/L	0.1	9/25/97	ICP-MS
Tot-Lead(ICP-MS)	2.0	ug/L	0.2	9/25/97	ICP-MS
Tot-Zinc(ICP-MS)	176	ug/L	0.5	9/25/97	ICP-MS