



Health and Welfare
Canada



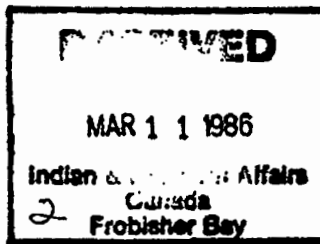
Santé et Bien-être social
Canada

9546-11-CP

Medical Services, Baffin Zone
Baf 300, Frobisher Bay, NWT X0A 0H0

March 5, 1986

Mr. Peter Harveson
Secretary Manager
Hamlet of Cape Dorset
Cape Dorset, NWT X0A 0C0



Your file Votre référence
Our file Notre référence

✓ CAPE DORSET
FILE
RS
PB

Dear Sir,

Re: Cape Dorset community water supply

Attached for council's information is a copy of the chemical water analysis of the communities public water supply, as collected on Nov. 29 and Dec. 10/86. All results are within acceptable limits as per the "Canadian Drinking water Standards". An interpretation guide is attached for your information.

In regards to the past water problem in the school's potable water system, it can be seen that the water quality from the various sample locations is the same. An additional test for dissolved organic carbon was done to indicate whether or not the suspected glycol contaminant was present. The result indicate no evidence of this.

By copy of this letter to Mr. M. Rokeby, principal of the school, I would indicate that there is no reason that the school's potable water system could not be used for drinking purposes. Should Mr. Rokeby be aware of any further taste or other suspected problems, I would ask him to contact me.

Unfortunately the lab did not provide an iron analysis as requested. On our next trip into the community further samples will be collected for this purpose.

If you have any questions, please call me.

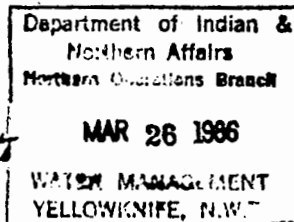
Yours Truly,
B. Kelso
Brad Kelso
Health Officer

AD mgr

*1. pls forward copy to
Water Man. & K.*

12/3

...12



Canada

② Water Resources YK

cc: Mr. Mike Rokeby, Principal
Pitsiulaaq School
Cape Dorset, NWT X0A 0C0

Regional Superintendent,
GNWT Dept. Of Education
Frobisher Bay, NWT X0A 0H0

Regional engineer, GNWT
Dept. of Public works,
Frobisher Bay, NWT X0A 0H0

Regional Superintendent,
GNWT Dept. of Local Gov.
Frobisher Bay, NWT X0A 0H0
Attn: T. Smyth, P. Eng.

District Manager, Indian & Northern Affairs,
Frobisher Bay, NWT X0A 0H0

Nurse In Charge
Cape Dorset, NWT X0A 0H0

BK/cbl

Environment Ontario
FINAL REPORT

Municipality/Project: C A P E D O R S E T

Pri

Submission:

Sampling Date(s): N O V 2 9, 1 9 8 5 to D E C 1 0, 1 9 8 5

Program..... 0600153
Agency..... 110101

WASTEWATER TREATMENT NE-PRIVATE
NAT HTH & WELF, ONTARIO

Sampled by: KELSO,B

Date Submitted: 01/01/01, Date Received:

..... Mail this copy to EHO
NATIONAL HEALTH& WEL
P.O. BOX 300
FRPBISHER BAY N.W.T.
X0A 0H0

Final reports to EHO

NATIONAL HEALTH& WEL Telephone: 819-979-

Field Sample	Sampling Location	Sampling Location Description	Sample Date
1	NOT GIVEN	TEE LAKE POTABLE WT SUPPLY C.DORSET	10/12/85
Sample Description		Lab Sample#	Remarks
RAW WATER		W51-0082	
TESTS REQUESTED: G+PC52S1 +FFIDUR		G+APGW1 +NN02FR	

Field Sample	Sampling Location	Sampling Location Description	Sample Date
2	NOT GIVEN	COMM WT STORAGE TANK POTABLE WT SUP	29/11/85
Sample Description		Lab Sample#	Remarks
NOT GIVEN		W51-0083	
TESTS REQUESTED: G+PC52S1 +FFIDUR		G+APGW1 +NN02FR	

Sample Class:

Results

WATER (GRND/DOMESTIC) WQ

Inquiries at: STUART BARNES
Telephone: 416-248-3512

Field Sample	Sampling Location	Sample Description	Lab Sample#	Remarks
1	NOT GIVEN	RAW WATER	W51-0082	10.
2	NOT GIVEN	NOT GIVEN	W51-0083	29
3	NOT GIVEN	NOT GIVEN	W51-0084	10
4	NOT GIVEN	NOT GIVEN	W51-0085	10

Field Sample Number... Test Description Code, Units of Measure Method	1 W51-0082	2 W51-0083	3 W51-0084	4 W51-0085
CONDUCTIVITY 25C COND25,UMHO/CN AT 25 C 002A12	45.40	43.20	42.20	43.40
HARDNESS, TOTAL HARDT, MG/L AS CaCO3 CALC01	9.1	7.9	8.6	6.2
CALCIUM, UNF. REACTIVE CAUR, MG/L AS Ca 002AA1	2.5	2.0	2.3	1.5
MAGNESIUM, UNF. REACTIVE MGUR, MG/L AS Mg 001AA1	.70	.70	.70	.60
SODIUM, UNF. REACT. NAUR, MG/L AS Na 002BA1	4.1	4.0	4.0	4.0
POTASSIUM, UNF. REACT. KRUR, MG/L AS K 002BA1	.30	.30	.30	.40
ALKALINITY, TOTAL ALKT, MG/L AS CaCO3 003CT3	10.2	9.6	9.4	9.8
PH (-LOG(H+(CONCN))) PH, DIMENSIONLESS 001A11	7.22	7.29	7.32	7.23
FLUORIDE, UNF. REACTIVE FFIDUR, MG/L AS F 003AC2	.02<T	.02<T	.02<T	.02<T
CHLORIDE, UNF. REACTIVE CLIDUR, MG/L AS Cl 002BT3	6.4	6.0	6.2	6.0
SULPHATE, UNF. REACT. SSO4UR, MG/L AS SO4 003AC1	2.0<T	2.0<T	1.5<T	1.5<T

Sample Class:

Results

WATER (GRND/DOMESTIC) WQ

Inquiries at: STUART BARNES
Telephone: 416-248-3512

Field Sample Number...	1	2	3	4
Test Description				
Cod*, Units of Measure	W51-0082	W51-0083	W51-0084	W51-0085
Method				
TURBIDITY	5.10	.68<T	.79<T	3.10
TURS ,FORMAZIN TURBIDITY UN				
002A11				
COLOUR, TRUE	9.0	6.0	4.5	21.5
COLTR ,JACKSON TURBIDITY UNI				
102BC9				
NITRATES,TOTL, FRAC.REAC	<.05<W	<.05<W	<.05<W	<.05<W
NNOTFR,MG/L AS N				
102CC2				
NITRITE, FRAC.REACT.	<.005<W	<.005<W	<.005<W	<.005<W
NN02FR,MG/L AS N				
102CC2				
DISSOLVED ORGANIC CARBON				2.9
DCC ,MG/L AS C				
102AC2				

Sample Class:

Results

DERIVED RESULTS

Inquiries at: WATER QUALITY OFFICE
Telephone: 416-248-3512

Field Sample	Sampling Location	Sample Description	Lab Sample#	Remarks	
1	NOT GIVEN	RAW WATER	ION-CAL		10.
2	NOT GIVEN	NOT GIVEN	ION-CAL		29.
3	NOT GIVEN	NOT GIVEN	ION-CAL		10.
4	NOT GIVEN	NOT GIVEN	ION-CAL		10.

Field Sample Number...	1	2	3	4
Test Description				
Cod#, Units of Measure	ION-CAL	ION-CAL	ION-CAL	ION-CAL
Method				
ION BALANCE CALCULATION	45.55	42.52	42.82	244.2
CONDY, UMHO/CM AT 25C				
ION BALANCE CALCULATION	22.22	20.86	20.73	94.48
DISOL, MG/L				
ION BALANCE CALCULATION	15.67	18.81	11.32	915.5
IONEL, %				

REMARK CODE EXPLANATIONS

RMK

DESCRIPTION

<T THIS LOW MEASUREMENT IS TENTATIVE, FOR INFO ONLY
<W "ZERO", VALUE REPORTED IS MIN. MEASURABLE AMOUNT

*** END OF REPORT ***