DIAND Nunavut District Box 100 Iqaluit, NT XOA OHO



Your file Votre référence

October 16, 1996

B9545-5-W8 Notre référence

Mr. Terry Rogers Senior Administrative Officer Hamlet of Whale Cove Whale Cove, NT XOC OJO

Dear Mr. Rogers;

Re: Water Management Inspection and Analytical Results; August 14, 1996

1. Please find enclosed a copy of the inspection report prepared as a result of the August 14, 1996 Inspection.

- 2. Also enclosed is a copy of the Water Licence application form and a list of information which should be submitted with it. Your application should be sent to the Nunavut Water Board. Their address is: Box 119, Gjoa Haven, NT XOE 1J0. It is a requirement of the *NWT Waters Act* that a community the size of Whale Cove be in possession of such a licence.
- 3. As the Hamlet is unlicensed is at this time, I would like to make some suggestions related to the storage of waste oil at the dump. Consideration should be given to the construction of a bermed area where waste oil can be placed until such a time that a waste oil furnace or some other appropriate method of disposal is decided upon. Warning signs should also be placed at the water supply and waste disposal facilities.
- 4. Also enclosed are the results for the water samples collected. With respect to drinking water, all parameters tested for are within the Health and Welfare Canada Guidelines for Canadian Drinking Water Quality.
- 5. Should you have any question, please do not hesitate to contact me at the above address, or by phone at (819)-979-4405. Thank you for the assistance you provided Henry Kablalik and myself during the inspection.

Sincerely,

Paul Smith

Water Resources Officer

Nunavut District

- Nunavut Water Board, Gjoa Haven

- RMO, DIAND, Rankin Inlet

- MACA, Rankin Inlet



\_dDIAN & NORTHERN AFFAIRS WATER RESOURCES LABORATORY

Box 1500

Yellowknife, NT. X1A 2R3

Tel. (403) 920-8129 Fax. (403) 873-9300

To: Indian & Northern Affairs Canada

Water Resources\NAP Baffin District Office

Box 100

==> Iqaluit NT XOA OHO

Paul Smith

### SAMPLE INFORMATION

Our Lab # : 961347

Your Sample ID: water supply Sample Matrix : grab water

Collection:

Location: Whale Cove Water Mgt

Date: 08/14/96

By: PS

Account No.: Baffin

Report Date: 09/11/96

Approved by: \

#### - SAMPLE ANALYSIS REPORT -

Lab#	Parameter	kesult	Units	Detect Limit	analdate	Method
961347	Alkalinity	54.6	mg/L	0.300	08/16/96	10101
	Calcium	19.90	mg/L	0.040	08/26/96	20103
	T.Cadmium ICP-M	L0.1	ug/L	0.100	08/20/96	100133
	Chloride	50.10	mg/L	0.080	08/21/96	17206
	Colour	L5	Colour	5.000	08/16/96	02021
	Conductivity	292.0	us/cm	0,100	08/16/96	02041
	T.Cobalt ICP-MS	0.1	ug/L	0.100	08/20/96	100115
	T.Chromium ICP-	L2	ug/L	2.000	08/20/96	100111
	T.Copper ICP-MS	3.3	ug/L	0.100	08/20/96	
	Potassium	1.48	mg/L	0.050	08/27/96	
	Magnesium	4.00	mg/L	0.010	08/26/96	
	T.Manganese ICP		ug/L	0.100	08/20/96	
	Sodium	26.00	mg/L	0.040	08/27/96	
	Non Filt Residu	L3	mg/L	3.000	08/16/96	
	T.NIckel ICP-MS	0.9	ug/L	0.100	08/20/96	100117
	T.Lead ICP-MS	0.7	ug/L	0.200	08/20/96	
	pH	8.17	pН	0.050	08/16/96	10301
	T.Iron	27	ug/L	20.000	08/19/96	26004
	T.Mercury-C/V	L0.01	ug/L	0.010	08/21/96	80011
	Turbidity	1.0	NTU	0.100	08/16/96	
	T.Zinc ICP-MS	L0.5	ug/L	0.500	08/20/96	100121

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Paul Smith

### SAMPLE INFORMATION

Our Lab # : 961348

Your Sample ID: sewage discharge

Sample Matrix : grab water

Collection:

Whale Cove Water Mgt

Location:

Date: 08/14/96

By: PS

Account No.: Baffin

Report Date: 09/11/96

Approved by:

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result U	nits	Detect Limit	analdate	Method
961348	Calcium	51.10 m	g/L	0.040	08/26/96	20103
	Chloride	86.70 m	g/L	0.080	08/21/96	17206
	Conductivity	664.0 u	S/cm	0.100	08/16/96	02041
	Potassium	8.14 m	g/L	0.050	08/27/96	19106
	Magnesium	8.03 m		0.010	08/26/96	
	Sodium	68.00 m	g/L	0.040	08/27/96	
	Non Filt Residu		g/L	3.000	08/16/96	
	Ammonia-N	0.131 m	<b>+</b> ·	0.002	08/19/96	
	рН	8.21 n	-	0.050	08/16/96	

## MUNICIPAL WATER USE INSPECTION FORM

DATE: A	19ust 14/96	COMPANY	REP.: Terry Poyers (SAO)		
LICENSEE:		LICENCE #			
WATER SUPP	from 6 1 1		11		
		Quar (es	Quantity Used (to date): (estimate or actual)		
Owner/Operato	or: DPW   Hamlet		stimate or actual) ~ 14,000 m <sup>3</sup> / <sub>y</sub> r.		
Indicate: A A	Acceptable U Unacceptable	N/A - Not Applicable			
Intake Facilities	s: Storage Structure	e₩ Treatme	ent Systems Chem. Storage		
Flow Meas. De			g Stations		
Comments:			over () Fish rales, No		
	Concerns except	that there sh	no-ld be a warning sign		
	at this location.				
WASTE DISPO			*		
Sewage	Sewage Treatment System (prim				
	Natural Water body				
	Seasonal Discharge		ent <u>Same</u> Trench		
3olid Waste:	Owner/Operator:	Homet			
	Landfill Burn &	Landfill	Other		
Indicate: A A	Acceptable U Unacceptable	N/A - Not Applicable	4		
Disch. Quality	N	t Structure NA	Erosion		
Disch. Meas. D	Dev. NA Dyke Ir	nspection NA	SeepagesA		
Dams, Dykes	Freebo	ard A	Spills		
Construcion	M & O M	Plan NA	A & R Plan		
Periods of Disc	1 1	t Discharge Rate:	- 4 e/min		
Comments:		oil pit show	I be built to squegate		
and con		Waste of Th	is benefits of a waste oil		
Lurvace	were also Miscussed.				
FUEL STORA	GF Owner	Operator	Condition of Tanks		
			Evidence of Leaks:		
	s Pump Stat				
	ition Not App				
100000000000000000000000000000000000000	CE NETWORK PROGRAM	modbie.	-		
	1 1				
Samples Colle	(DIAND)	. 6	- 1		
Ciana Dantodi		1 1 3	ning Needed are with specify what his		
_	•		ing needed and while supply that my		
Record & Rep	orting No requirem-	con a			
Geotechnical I	nspection: 13k app	lizable			
	nce of Act or Licence:		enced. The Inspector Assuce.		
the met	the with Mr. Rogers	and will spor	with our application plus for		
the Ha			3 113		
			Page 2 attached Yes/ No		
			30.		
Licenses Ber	resentatives Title		Inspectors Name		
5					
	resentatives Signature		Inspectors Signature		
FIGGIISEE UGh	noochimated orginature		pooto.o oigilataio		

# WATER USE INSPECTION REPORT

(continued)

Date: Avyust 14 Ale	Licence #: Unlicensed
General Comments: (Continued)	
Waste Dispose Site. Separate as	reas dissignated for waste
hadal, bayard sowage and dome	she waste (Ill with appropriate
syrage).	
Doneste waste is well brent	
covered with granular material	
Dung a 1994 inspection.	a concern was noted with the
sewage layour in that it appear	red that effluent was leaching
from the up-side bern bassondo	9
results indicated that if some	
in the way of a hazard	1.7
the text of the same	
In a conversation with Don For	on the (MACA Project Englisher)
the Inspector was informed that	
the Hamlet raised the berm of	the doclarge end - that to said
the level of the savage within	the losson. It may be that
Some Sange tilters through the	s born and collects on a
Shallow until Such that that	the "head" decreases and
all Savage then House in the	designed divertion
	2 5.
	Water Inspector