



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

September 16, 1998

B9545-5-S199

Mr. Brian Fleming
Senior Administrative Officer
Hamlet of Sanikiluaq
Sanikiluaq, NT
XOA OWO

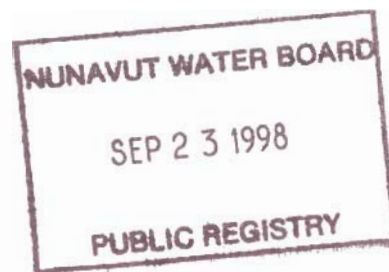
Dear Mr. Fleming,

Water Management Inspection Report - Hamlet of Sanikiluaq; August 15, 1998

1. Attached for your information is a copy of the inspection report prepared as a result of the water management inspection carried out on August 15, 1998.
2. Also attached are the results of the water analysis. Samples were collected from the water lake and effluent from the sewage lagoon. The drinking water met all the Health and Welfare guidelines. Only a couple of parameters normally collected for sewage effluent samples could be collected, but those parameters tested indicate that the combination of lagoon and wetlands provides very good treatment for the community's sewage.
3. Apart from concerns with the waste disposal site, the other outstanding issue that must be addressed is the Hamlet's requirement to obtain a water licence. This a requirement of both the *NWT Waters Act* and the Nunavut Land Claims Agreement. At last we spoke, you mentioned that the application was nearly complete and that it would be submitted shortly. Please advise this office when it is submitted.
4. Should you have any questions concerning the inspection report or the analytical results, please do not hesitate to call me at (867)-979-4405.

Sincerely,

Paul Smith
Water Resources Officer
Nunavut District



- cc. - Nunavut Water Board, Gjoa Haven
- DIAND Water Resources, YK
- MACA, Iqaluit
- Public Health, Iqaluit *Ranlim Inlet*

Canada



MUNICIPAL WATER USE INSPECTION FORM

DATE: August 15/98 COMPANY REP.: Brian Fleming, SMO
LICENSEE: Hamlet of Sanikiluaq LICENCE #: Unlicensed

WATER SUPPLY

Source (s): Sanikiluaq Lake Quantity Used (to date): N/A ~ 15,000 m³
Owner/Operator: QNWTS-DEW/Hamlet (estimate or actual)

Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable

Intake Facilities: A Storage Structure N/A Treatment Systems A Chem. Storage A
Flow Meas. Device A Convey. Lines N/A Pumping Stations N/A

Comments: Many residents continue to collect water from alternate water sources.

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Probable Secondary in lake, few houses near wetlands
Natural Water body ✓ Continuous Discharge (land or water) Probable Seasonal overland to Ocean
Seasonal Discharge ✓ Wetlands Treatment Yes Trench _____

Solid Waste: Owner/Operator: QNWTS/Hamlet
Landfill _____ Burn & Landfill ✓ Other _____

Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable

Disch. Quality A Decant Structure See note Erosion Nil
Disch. Meas. Dev. N/A - Nil Dyke Inspection N/A Seepages N/A
Dams, Dykes See note Freeboard N/A Spills N/A
Construction N/A O & M Plan Nil A & R Plan Nil

Periods of Discharge: _____ Effluent Discharge Rate: 2-3 l/s

Comments: Gravel barrier has been placed at discharge point of lagoon/lake system - presumably to increase retention time and act as a permeable barrier

FUEL STORAGE

Owner: _____ Operator: _____ Condition of Tanks: _____

Berms & Liners: _____ Water within berm: _____ Evidence of Leaks: _____

Drainage Pipes: _____ Pump Station and Catchment Berm: _____

Pipeline Condition: _____ Not Applicable: ✓

SURVEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) Not Required

(DIAND) Raw water, Sewage effluent

Signs Posted: SNP N/A Warning Required - signs in poor shape.

Record & Reporting N/A

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Hamlet is unlicensed.

Page 2 attached Yes ✓ No _____

Licensee Representatives Title

Not Available

Licensee Representatives Signature

Inspectors Name

Inspectors Signature

Inspection Report

Hamlet of Sanikiluaq

August 15, 1998

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Solid Waste Disposal Site

A fair amount of work has been carried out at the dump in order to burn and push debris. Dump is still sprawling and largely remains uncovered. Dump is also unfenced.

MACA has identified 30k next year to study the waste disposal problem in this community and has set aside \$100k for each of the two following years to rectify the problems.

The basic problem is that the dump is upwind from the community and that often burning is not possible. This in concert with a lack of available cover material and an ill-defined perimeter has lead to a sprawling uncontrolled waste disposal area.

Water samples were collected from 1.) the water lake (along shore at the small peninsula where the intake line runs) and 2.) about 150m below the outlet of the sewage lagoon.

End

TAIGA ENVIRONMENTAL LABORATORY

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

Yellowknife, NT. X1A 2R3

Tel. (867) 669-2788

Fax: (867) 669-2718

To: NUNAVUT

WATER RESOURCES, NAP, DIAND

BOX 100

IQALUIT

X0A 0H0

Att'n: PAUL SMITH

LAB# 981315

SAMPLE INFORMATION

Our Lab#: 981315

Your Sample ID: Raw Water

Sample Matrix: Raw Water

Collection:

Location: Sanikiluaq

Date: 8/15/1998

By: P.Smith

PROJECT: Inspect'n

Received Date: 18-Aug-98

Report Date: 08-Sep-98

Approved By: 

SEP 15 1998

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
981315	pH	8.06	pH	0.05	8/18/1998	010301
	Fluoride	< 0.05	mg/L	0.05	9/03/1998	009105
	Colour	L5		5.00	8/20/1998	02021
	Conductivity	325	uS/cm	0.3	8/18/1998	02041
	Tot-Suspended-Solids	L3	mg/L	3	8/20/1998	grav
	Tot-Cadmium(ICP-MS)	L0.1	ug/L	0.1	8/25/1998	ICP-MS
	Tot-Cobalt(ICP-MS)	L0.1	ug/L	0.1	8/25/1998	ICP-MS
	Tot-Chromium(ICP-MS)	L2	ug/L	2.0	8/25/1998	ICP-MS
	Tot-Copper(ICP/MS)	0.9	ug/L	0.1	8/25/1998	ICP-MS
	Tot-Iron(AA)	L0.02	mg/L	0.020	9/01/1998	ICP-MS
	Tot-Manganese(ICP-MS)	14.6	ug/L	0.1	8/25/1998	ICP-MS
	Tot-Nickel(ICP-MS)	0.4	ug/L	0.1	8/25/1998	ICP-MS
	Tot-Lead(ICP-MS)	L2	ug/L	2.0	8/25/1998	ICP-MS
	Tot-Zinc(ICP-MS)	L25	ug/L	25.0	8/25/1998	ICP-MS

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To: NUNAVUT
WATER RESOURCES, NAP, DIAND
BOX 100
IQALUIT
X0A 0H0
Att'n: PAUL SMITH

LAB# 981316

SAMPLE INFORMATION

Our Lab#: 981316
Your Sample ID: Sewage Effluent
Sample Matrix: Sewage

PROJECT: Inspect'n

Collection:

Location: Sanikiluaq
Date: 8/15/1998
By: P.Smith

Received Date: 18-August-1998

Report Date: 27-Aug-98

Approved By: W. S. S.

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
981316						
	Tot-Suspended-Solids	L3	mg/L	3	8/20/1998	grav
	Ammonia-N	0.014	mg/L	0.002	8/20/1998	007562