



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

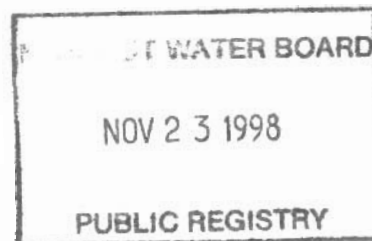
Your file Votre référence

Our file Notre référence

November 9, 1998

NWB3PEL9803

Mrs. Marla Limousin
Senior Administrative Officer
Hamlet of Pelly Bay
Pelly Bay, NT
XOE 1K0



Dear Mrs. Limousin;

Water Management Inspection and Results of Water Sampling.

1. Attached is a copy of the inspection report prepared as a result of the municipal water management inspection that was carried out on August 26, 1998.
2. The main issue of non-compliance related to not having a water licence. This has been resolved and I look forward to working with you to ensure that water supply and waste disposal issues are handled in a manner which will ensure safety to the residents of Pelly Bay and impacts on the environment are minimized.
3. With this in mind, there will be a number of issues that the Hamlet will be required to address in the coming months:

Part B, Item 5. Place SNP Station signs at the designated locations;

Part B, Item 6. Place warning signs at the water supply and waste disposal facilities to advise the general public of the nature of the sites. Signs should be bilingual.

Part G, Item 1. An Operations and Maintenance Plan (for the waste disposal site) has to be prepared and submitted to the NWB for approval by May 1, 1999.

4. Although no Annual Report (Part B, Item 1) would be expected from the Hamlet having been issued the licence so late in the year, with the exception of water quality data, the Hamlet likely has all the information required to complete the report.

.../2

5. Also attached are the results for the one set of sewage samples I collected. The results clearly indicate that at this time of year the combination of aerobic activity in the lagoon, the filtering effect of the berm and thick vegetation combine to provide effective treatment of sewage wastes. These results are nearly identical to the samples that were collected in August of 1997.
6. I would also like to once again pass on my thanks to Vince Ningark, the Hamlet's PLA, for all of his assistance during my inspection.
7. If you have any questions with respect to the inspection report, water quality results or about your new water licence, please do not hesitate to contact me at the above address or by phone at (867) 979-4405.

Sincerely,



Paul Smith
Water Resources Officer
Nunavut District

- cc. - Nunavut Water Board, Gjoa Haven
 - DIAND Water Resources, YK
 - Kojo Kumi, MACA, Cambridge Bay
 - Bob Philips, Environmental Health, YK

TAIGA ENVIRONMENTAL LABORATORY

Dept. Indian Affairs & Northern Development

4601-52 nd Ave., Box 1500

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To: NUNAVUT

WATER RESOURCES, NAP, DIAND

BOX 100

IQALUIT

X0A 0H0

Att'n: PAUL SMITH

LAB# 981429

SAMPLE INFORMATION

Our Lab#: 981429

PROJECT: INSPECTION

Your Sample ID: SEWAGE EFFLUENT

Sample Matrix: SEWAGE

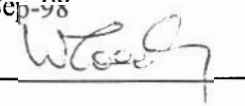
Collection:

Received Date: Aug-28-1998

Location: PELLY BAY

Report Date: 21-Sep-98

Date: 8/26/1998

Approved By: 

By: P.Smith

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
981429						
	Tot-Suspended-Solids	3	mg/L	3	9/10/1998	grav
	Ammonia-N	21.1	mg/L	0.002		007562
	Faecal_Coliform	15	CFU/dL	1	8/28/1998	036014
	Bio-Oxy-Demand	14	mg/L	2	8/28/1998	08208



MUNICIPAL WATER USE INSPECTION FORM

DATE: August 26/97 COMPANY REP.: Vince Nangark
LICENSEE: Hamlet of Pelly Bay LICENCE #: NWB3AE1 (applied for)

WATER SUPPLY

Source (s): Kugurdiuk River Quantity Used (to date): ~20,000 m³/year
(estimate or actual)
Owner/Operator: GNWT/Hamlet

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

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

Comments: Follow up from last insp.: Hamlet undertook on their own initiative to extend the intakes upwards to reduce salt water intrusion problems. Seem to have been very successful.

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Primary, lagoon, some wetlands
Natural Water body _____ Continuous Discharge (land or water) _____
Seasonal Discharge ✓ Wetlands Treatment Some Trench _____

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

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

Disch. Quality A Decant Structure exfiltration berm Erosion A
Disch. Meas. Dev. N/A Dyke Inspection N/A Seepages A
Dams, Dykes Note Freeboard A-note Spills not nil
Construction N/A O & M Plan Nil A & R Plan N/A

Periods of Discharge: Seasonal Effluent Discharge Rate: where sampled it was approx 18/5s.

Comments: Berm @ lagoon breached last year. No apparent problems this year. Good freeboard @ time of inspection.

Dump needs to be pushed and covered w/ granular material. Marked how was a waste oil furnace.

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) _____
(DIAND) Sewage off-hut 30m from ocean (200-150m below lagoon)

Signs Posted: SNP Will be required Warning will be required.

Record & Reporting Once licenced, will be required to submit an annual Report.

Geotechnical Inspection: N/A.

Non-Compliance of Act or Licence: Hamlet has applied for licence. This was the main outstanding issue.

Page 2 attached Yes _____ No ✓

Licensee Representatives Title

Inspectors Name

Licensee Representatives Signature

Inspectors Signature