



Indian and Northern
Affairs Canada

Affaires indiennes
du Nord Canada

DIAND NWT Region
Box 100
Iqaluit, NT
XOA OHO

July 25, 1994

Mr. Chuck Gilhuly
Senior Administrative Officer
Hamlet of Cape Dorset
Cape Dorset, NT
XOA OCO

Your file Votre référence

Our file Notre référence
B9545-5-C15

INDIAN AND NORTHERN
AFFAIRS - CANADA
N.W.T. REGION

AUG - 2 1994!

WATER RESOURCES
DIVISION
YELLOWKNIFE, NT

Dear Mr. Gilhuly;

Re: Water Management Inspection Report; Hamlet of Cape Dorset

1. Attached you will a copy of the Water Management Inspection Report, prepared by our Water Resources Officer, Paul Smith.
2. The concerns that we suggest be addressed relate to the waste disposal site not being covered with granular material, the lagoon being undersized, and no warning signs posted at the waste and sewage disposal areas.
3. Also attached is some information that you may find useful in preparing your application to the NWT Water Board for a water licence. Our office will be pleased to answer any further questions that you may have.
4. The assistance and cooperation provided by Messrs. Paul Wayne Acting SAO, and Timoon Toonoo, Hamlet Foreman to Mr. Smith during his recent visit to your community was greatly appreciated.

Sincerely,

JMA Theriault
District Manager
Nunavut District

cc. - Water Resources, YK (B. Collins)
- Public Health, BRHB (D. Paradis)
- MACA, Iqaluit (R. Armstrong)

Recycled paper.
Conserve energy.
The future depends on it.

Papier recyclé.
Économisons l'énergie.
L'avenir en dépend.

*Cape Dorset
WB
MACA*

MUNICIPAL WATER USE INSPECTOR FORM

DATE: July 14, 1994 MUNICIPAL REP.: Paul Wages/Timmon Bonas
 LICENSEE: Hamlet of Cape Dorset LICENCE #: Unlicensed
 Community: _____

WATER SUPPLY

Source(s): Tee Lake Quantity Used (to date): ~20,000 m³/year
 (estimate or actual)

Owner/Operator: DPW/Hamlet

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

Intake Facilities: A Storage Struct. A Treatment Systems A Chem. Storage A

Flow Meas. Device A Convey. Lines A Pumping Station A

Comments: The new truck fill station was completed last year. The conveyance line has a small leak @ the intake facility.

WASTE DISPOSAL

Sewage: Sewage Treatment System (primary), secondary or tertiary) _____

Natural Water Body _____ Continuous Discharge (land or water) _____

Seasonal Discharge ✓ Wetlands Treatment _____ Trench _____

Solid Waste: Owner/Operator: Hamlet

Landfill _____ Burn & Landfill ✓ Other _____

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

Discharge Quality N/A Decant Structures See note Erosion N/A

Disch. Meas. Dev. N/A Dyke Inspections N/A Seepages N/A

Dams, Dykes See note Freeboard N/A Spills N/A

Construction See note O & M Plan N/A A & R Plan N/A

Periods of Discharge: Seasonal - continuous Effluent Discharge Rate: ~20 L/min

Comments: Lagoon is undersized. Although the hamlet has greatly increased the height of the berm on the discharge side of the lagoon, sewage still flows from the base of the rip-rap descent structure. The increase in berm height increases the retention time during the winter until the lagoon is

FUEL STORAGE Owner GNWT/AL Operator Co-op Condition of Tanks long reported

Berms & Liners poor - no liners? Water within berm: No Evidence of Leaks One reported by contractor which he is repairing.

Drainage Pipes _____ Pump Station and Catchment Berm _____

Pipeline Condition _____ Not Applicable: _____

SURVEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) Not required
 (DIAND) Tee Lake, Dead Dog Lake (alternate water supply), Sewage & dump effluent

Signs Posted: SNP Not required Warning Signs have been received from MRA, but have not yet been posted.

Records & Reporting: No reporting requirements

Hamlet maintains detailed water delivery/consumption records (on computer).

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Hamlet does not have a licence.

Water licensing procedure and requirements were discussed with Mr. Wages.

Page 2 attached ✓ Yes No

Acting SAD
 Representative's Title
 Hamlet

Paul Smith
 Inspector's Name

[Signature]
 Representative's Signature
 Hamlet

[Signature]
 Inspector's Signature

MUNICIPAL WATER USE INSPECTION FORM
(continued)

Date: July 14/94

Licence #: Unlicensed

Official Onsite Discussion/Comments:

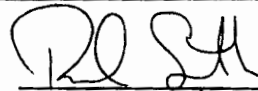
so full that sewage flows ^{through cracks in the bedrock.} ~~over the beams~~

In the past 2 years, the number of houses that produce
logged sewage has decreased from 13 to 7. The honey
bag pit is at capacity and must be capped.

The domestic waste disposal site is well burned and consolidated,
however it remains uncovered. Gravel supplies are in
limited supply at present. A crusher is coming in on scullift
this year for work on the airport. The Hamlet hopes to
be able to access granular material once work on the
airport is complete.

A waste oil furnace will shortly be operational very shortly.
Waste oil is no longer being placed in the dump. Oil is
now being kept beside the the Hamlet garage (by the airport).
The furnace will be set up inside a Hamlet garage.

~~Licence~~ Representative's Signature
Hamlet


Inspector's Signature