



DIAND Nunavut District  
Box 100  
Iqaluit, NT  
XOA OHO

Your file    Votre référence

Our file    Notre référence

22 September 1997

B9545-5-N6L4-1562

Ms. Dorothy Gibbons  
A/Senior Administrative Officer  
Hamlet of Arviat  
Arviat, NT  
XOC OEO

Dear Ms. Gibbons;

**Water Management Inspection - August 7, 1997**

1. Attached is a copy of the inspection report prepared as a result of the water management inspection carried out on August 7, 1997.
2. In terms of water supply and waste disposal operations, there were no concerns with the water supply. The waste disposal site has been improved somewhat with the placement of earthen berms along three sides of the facility and the use of fencing atop one berm. It is understood that the berms were constructed to help reduce wind blown material. The dump itself needs to be covered more regularly with granular material. At present it is not being operated in most effective nor efficient manner. More segregation and control is required. Also, warning signs are needed at both the water supply, dump and sewage disposal facilities. A warning sign should also be placed along the Honda trail where sewage effluent intercepts it.
3. It is also advisable that the clean-up plans that MACA has for the old dump sites be submitted to the Nunavut Water Board, especially since that the licensing process is to continue.
4. Results of water samples collected during the inspection will be forwarded to you once analysis has been completed.
5. If you have any questions regarding this inspection report, please do not hesitate to contact this office.

Sincerely,

Paul Smith  
Water Resources Officer  
Nunavut District

- cc. - Nunavut Water Board, Gjoa Haven  
- Water Resources, DIAND, YK  
- RMO, DIAND, Rankin Inlet  
- MACA, Rankin Inlet (Don Forsyth)  
- Public Health, Rankin Inlet (Leslie Moody)

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## MUNICIPAL WATER USE INSPECTION FORM

DATE: 7 August 97 COMPANY REP.: Dorothy Gibbons A/SIAO  
LICENSEE: Hamlet of Arviat LICENCE #: Unlicensed

### WATER SUPPLY

Source (s): Wolf Creek / Reservoir Quantity Used (to date): > 30,000 m<sup>3</sup>/year  
Owner/Operator: GNWT / Hamlet (estimate or actual)

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

Intake Facilities: not inspected Storage Structure A - Note Treatment Systems A Chem. Storage A

Flow Meas. Device A Convey. Lines not inspected Pumping Stations A

Comments: Reservoir capacity is being increased. No other concerns.

### WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Primary - some wetlands  
Natural Water body \_\_\_\_\_ Continuous Discharge (land or water) \_\_\_\_\_  
Seasonal Discharge yes 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 Samples collected Decant Structure N/A Erosion N/A

Disch. Meas. Dev. Nil Dyke Inspection N/A Seepages A

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

Construction Note 1 O & M Plan Nil A & R Plan N/A

Periods of Discharge: Spring - Fall Effluent Discharge Rate: 1-3 l/s

Comments: \_\_\_\_\_

### 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) Nil

(DIAND) Reservoir water, sewage effluent

Signs Posted: SNP N/A Warning Required @ dump water supply

Record & Reporting No reporting requirements @ this time

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Hamlet does hold a water licence.

An application was made and assurance was delayed for a sewage study.

Page 2 attached Yes ✓ No \_\_\_\_\_

Licensee Representatives Title

N/A

Licensee Representatives Signature

Inspectors Name

Inspectors Signature

## Inspection Report

NTF

Hamlet of Arviat  
Unlicensed (N6L4-1562 assigned)

August 7, 1997

Water Supply - Water is piped overland for a short period during the summer from Wolf Creek to fill the 2 cell reservoir. MACA has budgeted for expanding the reservoir in 1998/1999. The reservoir is fenced, but requires warning signs. Apart from this, no concerns were noted.

Waste Disposal - the sewage disposal facilities appear to be adequate, except for a lack of warning signs at the facility and at the point where the effluent flows under the culverted ATV trail.

### Note 1

The solid waste disposal site has been bermed along three sides to help control the spread of garbage. Fencing has also been erected atop one of the berms, but this fencing has collapsed. The dump has a large working face and needs to be better burned and covered. It was noted in the past that bagged sewage waste was being deposited at this site. If any houses remain on bagged sewage service, an appropriately sized pit should be constructed for the disposal of bagged sewage. Preferably, it should be located adjacent to the lagoon.

MACA has budgeted for fencing the solid waste disposal site in 1998/1999.

Bulky waste metal is disposed of at the old waste disposal site referred to as the 'Middle Dump' in EBA's 1995 report entitled "Environmental Assessment of Former and Current Solid Waste Disposal Sites in Arviat, NT"

Unfortunately the Hamlet Foreman was not able to accompany us on the inspection and Ms. Gibbons had only been working in the capacity of A/SAO for a few weeks and was unfamiliar with water licencing aspects or current status of the licensing process.

End