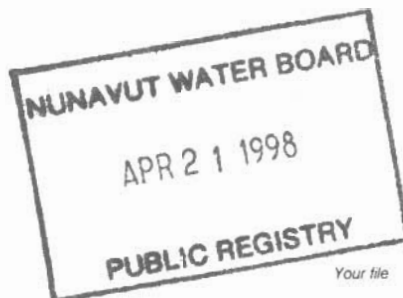




DIAND Nunavut District  
Box 100  
Iqaluit, NT  
XOA OHO

April 9, 1998

Mr. Blayne Penrice  
Senior Administrative Officer  
Hamlet of Cambridge Bay  
Cambridge Bay, NT  
XOE OCO



Your file    Votre référence

Our file    Notre référence

B9545-5-N4L3-1532

Dear Mr. Penrice,

Water Licence Inspection - April 1, 1998  
Water Licence N4L3-1532

Ref: 1996 Inspection Report dated September 3, 1996.

1. Please find enclosed a copy of the inspection report prepared as a result of the water licence inspection of April 1, 1998.
2. Significant progress has been made to address concerns and compliance issues identified in the last inspection.
3. Another inspection will be scheduled for this summer season to determine what, if any, remaining issues require to be addressed.
4. Please pass along my gratitude to Mr. Babiuk for his assistance during the inspection.
5. If you have any questions with respect to this report, please do not hesitate to contact me at the above address or by phone @ (867)-979-4405.

Sincerely,

Paul Smith  
Water Resources Officer  
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven  
- DIAND Water Resources, YK  
- RMO, DIAND, Kugluktuk  
- Kujo Kumi, MACA, Cambridge Bay  
- Robert Phillips, EHO, Public Health, Yellowknife

MUNICIPAL WATER USE INSPECTION FORM

DATE: April 1, 1998

COMPANY REP.: Howard Babick

LICENSEE: Hamlet of Cambridge Bay

LICENCE #: N4L3-1532

WATER SUPPLY

Source (s): Water Lake

Quantity Used (to date): 23 million L/month

Owner/Operator: Hamlet GNWT/Hamlet

(estimate or actual)

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

Intake Facilities: A Storage Structure A - Note 1 Treatment Systems A - Note 2 Chem. Storage A

Flow Meas. Device A - Note 3 Convey. Lines Note 4 Pumping Stations A

Comments: See following page.

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) at least secondary in summer

Natural Water body Continuous Discharge (land or water)

Seasonal Discharge Wetlands Treatment Trench

Solid Waste: Owner/Operator: Hamlet GNWT/Hamlet

Landfill Burn & Landfill Other

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

Disch. Quality A - note 5 Decant Structure Note 6 Erosion Note 7

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

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

Construction N/A O & M Plan Note 8 A & R Plan N/A

Periods of Discharge: Summer Effluent Discharge Rate: Unlimited

Comments: See following page.

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 - note 9

(DIAND) Nil

Signs Posted: SNP Yes Warning Required

Record & Reporting Note 10

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: See following page.

Page 2 attached Yes No

Not Available

Licenses Representatives Title

Inspector's Name

Licenses Representatives Signature

Inspector's Signature

WHITE COPY - Inspector's File YELLOW COPY - Licensee GREEN COPY - Field Rep PINK COPY - Water Resources

Notes 1, 2 and 4 - The conveyance line between the water lake and in-town storage/distribution facility froze this winter. All water is being taken directly from the water lake. There is an in-line chlorination unit at the pumphouse. There are also two additional chlorination units in town at the storage/distribution facility (one was for the storage tank while the second was installed in the semi-utilidor system used to supply high demand customers).

Note 3 - Flow measurement is achieved by compiling daily water pumping records generated by the water delivery trucks (not by a metre at the pumphouse).

Note 5 - A sample was collected at 1532-2 during the August 13/98 inspection. Results indicate that sewage effluent treatment is substantial as relevant parameters were quite low.

Notes 6 and 7 - With reference to the discharge location of the trucks at the sewage disposal area, repairs that were made last summer have been washed away. The Hamlet has ordered some large diameter split culvert in order to make a number of discharge chutes (so that discharge will not be affected by wind direction). Also of note, the bagged sewage pit that was constructed was not properly located and as the sewage level rose in the 'lagoon', the pit was submerged. A relocated pit will be constructed this summer.

Note 8 - The Hamlet is planning on contracting the preparation of the O+M plan. Dionne Filiatrault (NWB) will be providing a copy of the guidelines to the Hamlet.

Note 9 - The Hamlet has not collected any of the required SNP samples. They will be making arrangements with the Taiga lab to provide lab services.

Note 10 - The 1997 Annual Report was being prepared at the time of the inspection. It was due on March 31/98, but was expected to be no more that a few days late.

*General Comments* - The Licensee has made significant progress addressing shortcomings identified in the last inspection and compliance reports. There remain some specific items, but in general, the Hamlet is commended and encouraged to continue working towards full compliance.

A meeting was set up between the Inspector, Howard Babiuk and Kujo Kumi (MACA) to discuss licence requirements pertaining to the waste disposal site. Mr. Kumi stated that it was his belief that the GNWT still legally owned the water and waste disposal facilities, but that he would check to determine the status of the transfer. The implications relate to the requirements in the provision of a terms of reference for a study at the waste disposal site. MACA is in the process of establishing a study at the dump site in response to concerns expressed in a Nunavut Planning Commission report. The Hamlet and MACA are currently considering the possibility of combining projects to meet both requirements.

General Comments Con't.

The 1996 Annual Report was submitted by the Hamlet on November 5, 1997.

SNP Station signs have been posted at both the water lake and waste discharge point (1532 1 and 2).

The dump will be covered with granular material this spring.

Landscaping at the dump site was initiated last fall in order to reduce the amount of water that will be allowed to accumulate in the area. The site will be graded to drain towards the sewage disposal area.