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92.09.14

Hamlet of Cambridge Bay
P.O. Box 16
CAMBRIDGE BAY, NT X0E 0C0

Attention: Randy Bergen
Senior Administrative Officer

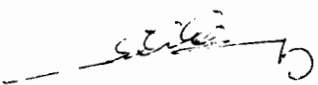
Dear Mr. Bergen

You will find attached a copy of the 1992 Municipal Inspection Report on the water supply and waste disposal facilities for the Hamlet of Cambridge Bay. The inspection was conducted by Scott Gallupe, Water Resources Officer, Inuvik, on August 18, 1992.

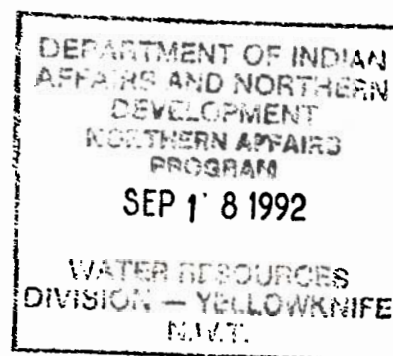
No major problems were noted and this is appreciated. However, please address the issues the Inspector has outlined in this report so as to prevent these violations of the Hamlet's Water Licence from re-occurring.

If you have any questions, please feel free to contact this office.

Yours truly


R.A. Cockney
District Manager

cc: Water Resources, Yellowknife
Denis Bedard, MACA, Cambridge Bay
Environmental Health, Cambridge Bay



Your file: Votre référence

Our file: Notre référence



1532-2
IW
WB

MUNICIPAL INSPECTION REPORT

FOR THE

HAMLET OF CAMBRIDGE BAY

WATER LICENCE N4L4-1532

AUGUST 18, 1992

PREPARED BY

SCOTT GALLUPE

WATER RESOURCES OFFICER

INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT

NORTHERN AFFAIRS PROGRAM

INDIAN AND NORTHERN AFFAIRS CANADA

INUVIK, NT

**MUNICIPAL INSPECTION REPORT
HAMLET OF CAMBRIDGE BAY
WATER LICENCE N4L4-1532**

Introduction

An inspection of the water supply and waste disposal facilities was conducted by Scott Gallupe, Water Resources Officer, Inuvik, on August 18, 1992.

There were no changes in the facilities nor method of operations for the water supply and waste disposal.

The contact people were Randy Bergen, Senior Administrative Officer, Leonard Naholagak, Hamlet Foreman, and David Crocket, DPW Foreman.

A. Water Supply

Water is obtained from Water Lake located 2 km northwest of the Hamlet. Water is transported via underground pipeline from the pumphouse at the lake to the treatment plant in the DPW yard in town. There is a little boiler house beside the pumphouse at Water Lake to supply heat for the pumphouse during the winter. The intake is backwashed about once a week. There are plans to brush the scale of the intake screen by sending divers down to do the work.

The pumphouse was neat and tidy. There is no meter in the pumphouse, however there is one in the treatment plant that DPW reads and sends the records to the Hamlet Office. The pumphouse was not posted.

There is a ramp at Water Lake for the tank truck to fill up when there are problems with the pipeline freezing and flow decreases. Apparently, the heat tracer line on the pipeline needs repairing but there is no money allocated for this work this year. The flow does not stop completely but decreases significantly. The Hamlet hopes the work to repair the line will be completed in 1993.

Department of Public Works, GNWT, maintains and operates the pumphouse and treatment plant. Water is stored in a 50,000 gallon reservoir tank at the treatment plant. Water is distributed by tank truck and is delivered by the Hamlet.

The raw water is chlorinated at the treatment plant by automatic injection using liquid Perflex bleach. DPW checks the chlorine content. It was not apparent at the time of inspection what concentration the chlorine is kept at and what analysis does DPW actually perform.

The water treatment plant was neat and tidy. No other problems were noted with the water supply, pumphouse and treatment plant.

Samples were taken at SNP station number 1532-1. Results will be forwarded when available.

B. Sewage Disposal

All buildings and residences are on sewage pumpout. Sewage pumpout is taken to the lagoon located adjacent to the solid waste disposal site.

There was no bagged sewage pit. There was no sign for a bagged sewage pit. The Hamlet was expecting a contractor to use bagged sewage for their camp for July 1992. There was no evidence of a pit being made. The Hamlet was reminded that a separate pit that is posted is required for bagged sewage.

The sewage lagoon does not have a pumpout chute. There is a cement pad where the truck backs up to and discharges the sewage onto the cement pad that is angled to the lagoon. The Hamlet was reminded again that a long pipe or culvert that juts out over the lagoon is a more effective means to ensure proper mixing of sewage and minimize health considerations.

There was still a lot of garbage in the lagoon as well as honeybags. It is difficult to say if there is more garbage in the lagoon this year as compared to last year. The Hamlet was reminded that putting garbage into the sewage lagoon is a totally unacceptable practice.

Sewage quantities discharged to Garbage Lake (lagoon) are measured by the truckload and records are kept at the Hamlet Office.

Samples were taken at SNP station number 1532-2. Results will be forwarded when available.

C. Solid Waste Disposal

Garbage is deposited at the solid waste disposal site adjacent to the sewage lagoon about 1 km northeast of the community.

The Licensee is disposing of solid domestic garbage in a manner as shown in the plans entitled Cambridge Bay Sewage and Solid Waste Disposal Site, Drawing No. 86-8001 dated August 8, 1986.

There was no dead animal pit. There were a number of animal carcasses scattered on the road at the dump site.

There was segregation of bulky metal waste behind the domestic garbage disposal area. This site was posted and accessed from Float Base Road.

There was nominal windblown debris with no fencing evident. The berms around the site appear to keep some material from blowing around.

D. Surveillance Network Program (SNP)

The Hamlet did not report the monthly quantities of water pumped at SNP station number 1532-1 as required by SNP Section B, Item 1.

The Hamlet did not report the monthly quantities of sewage discharged to Garbage Lake as required by SNP Section B, Item 2.

The 1991 Annual Report was over three (3) months late. SNP stations 1532-1 and 1532-2 were not posted.

E. Records and Reporting

As mentioned previously, the Hamlet is recording water quantities pumped from Water Lake and sewage quantities discharged to Garbage Lake (sewage lagoon). However, the Hamlet is not reporting monthly quantities in tabular form in their Annual Report.

F. Posting

The water supply facilities at Water Lake were not posted. The Hamlet was reminded again that these facilities are to be posted to the satisfaction of the Inspector.

The SNP stations were not posted.

The sewage lagoon and solid waste disposal site was posted.

G. Abandonment and Restoration

None noted.

H. Other Concerns

None noted.

I. Official Onsite Discussion

A meeting occurred after the inspection with Randy Bergen, Senior Administrative Officer, to discuss the inspection and requirements of the Hamlet's Water Licence.

The Inspector would like to thank Mr. Bergen and Mr. Naholagak for their assistance and cooperation.

A handwritten signature in black ink, appearing to read "S. Gallupe". The signature is fluid and cursive, with the first letter 'S' being large and prominent.

Scott Gallupe
Water Resources Officer