



Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

CC - DW
filed up

Telephone: (403) 979-3361
Telecopier: (403) 979-2090

Northern Affairs Program
P. O. Box 2100
INUVIK, N.W.T.
X0E 0T0

our file votre référence

91.09.26

our file Notre référence

Hamlet of Cambridge Bay
P.O. Box 16
CAMBRIDGE BAY, N.W.T.
X0E 0C0

OCT 0 7 91

Attention: Randy Bergen
Senior Administrative Officer

1532-2

IN
WB

Dear Mr. Bergen

You will find attached a copy of the 1991 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 6, 1991.

Thank you for your 1990 Annual Report. Please ensure the information is complete, accurate, prompt and cc'd to the Water Board.

The requirement for the necessary postings for water supply, waste disposal and SNP stations is brought to your attention again.

Please address the issues outlined in this report.

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

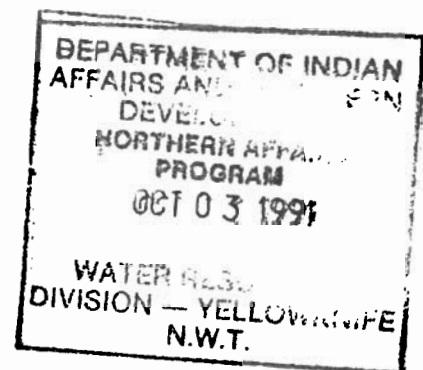
Yours truly

Scott Gallupe ADM

f

R.A. Cockney
District Manager

cc: Water Resources - Yellowknife
MACA - Yellowknife
Environmental Health - Cambridge Bay



Canada

OCT 0 7 91

INSPECTION REPORT
ON
THE HAMLET OF CAMBRIDGE BAY
WATER LICENCE N4L4-1532

AUGUST 6, 1991

PREPARED BY
SCOTT GALLUPE
WATER RESOURCES OFFICER
INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT
NORTHERN AFFAIRS PROGRAM
INDIAN AND NORTHERN AFFAIRS CANADA
INUVIK, N.W.T.

**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 6, 1991.

There were no changes in the facilities and method of operation for the water supply and waste disposal. However, there was more upgrading to the sewage lagoon and solid waste disposal site.

Point of contact during the inspection was Leonard Naholagak, Hamlet Foreman. The inspection was originally set up with the acting Senior Administrative Officer, Ikey Evalik, however he was delayed on the mainland by pack-ice.

A. WATER SUPPLY

Water is obtained from Water Supply 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 Supply Lake to supply heat for the pumphouse during winter. The intake is backwashed about once a week. The pumphouse was clean and tidy. There was no meter in the pumphouse and the pumphouse was not posted. There were 2-3 tents near the pumphouse which appeared people were living in. There was no garbage noted in the lake.

Department of Public Works, G.N.W.T., maintains and operates the pumphouse and treatment plant. Water is stored in a 50,000 gallon reservoir tank for distribution by water trucks delivered by the Hamlet. The meter in the treatment plant records water quantities pumped from Water Supply Lake. The meter is read on a daily basis and records are kept at the DPW office. The Hamlet has finally obtained these figures and have reported them as required by their Water Licence.

The raw water is chlorinated at the treatment plant by automatic injection using liquid Perfex 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 do they actually perform. ie. free available chlorine or total residue chlorine.

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

The acting Hamlet Foreman, Leonard Naholagak mentioned that the heat tracer line on the pipeline from Water Supply lake to the treatment plant is damaged in spots which decreases the pumping rate in the winter. It was not apparent how serious a

problem this was and supposedly DPW are looking into the issue.

No other problems were noted with water supply. 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 except for two residents. Sewage pumpout is taken to the lagoon at the solid waste disposal site.

The new pumpout turnaround area appeared to be complete with a cement pad for a pumpout chute. It is noted that a cement pad is not an effective way to encourage proper mixing of sewage within the lagoon. A long pipe or culvert that juts out over the lagoon is a more effective means to ensure proper mixing and health considerations. It was not apparent at time of inspection whether a pumpout chute is planned to be installed. There is still alot of solid garbage in the lagoon. There were honeybags deposited in the lagoon. This is unacceptable. There was no honeybag pit. Therefore no segregation of bagged sewage as required by Water Licence. No honeybag pit, no sign. This is not acceptable. There was a small sign for the sewage lagoon however it was not set-up or easy to find at time of inspection. Sewage quantities are measured by truck load 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 waste in a manner as shown in plans entitled Cambridge Bay Sewage and Solid Waste Disposal Sites, Drawing No. 86-8001 dated August 8, 1986. This drawing was finally given to the Inspector by the Hamlet in their 1990 Annual report.

There was a pile of 10 or so musk-ox carcasses on the road at the dump site. It appeared there was no dead animal pit.

There was segregation of bulky metal waste behind the disposal area and accessed from a different road. This site was posted.

There were no signs at the solid waste disposal site.

There was nominal wind blown debris with no evidence of fencing. The berms around the site appear to keep some material from blowing away.

D. SURVEILLANCE NETWORK PROGRAM (SNP)

All requirements of the SNP have been met to date of inspection.

E. RECORDS AND REPORTING

All record and reporting requirements have been met to date of inspection.

F. POSTING

The solid waste disposal site was not posted and the sewage facility posting was not properly maintained.

The water supply facility at Water Supply Lake was not posted.

Part A, item of the Water Licence states: "The Licence shall, on or before August 1, 1988, post and maintain the necessary signs to identify the stations of the Surveillance Network Program to the satisfaction of the Inspector". The SNP stations were not posted.

G. ABANDONMENT AND RESTORATION

The old dumpsite has been abandoned and restored as per final inspection October 1990 by Norman Sencartier, Resource Management Officer, Inuvik.

No other abandonment or restoration noted.

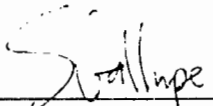
H. OTHER CONCERNS

None noted.

I. OFFICIAL ONSITE DISCUSSION

The terms and conditions of the Hamlet's Water Licence N4L4-1532 were discussed during the inspection with acting foreman, Leonard Naholagak.

The inspector would like to thank Mr. Leonard Naholagak for his assistance and cooperation.



Scott Gallupe
Water Resource Officer.



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

Northern Affairs Program
P.O. Box 1500
Yellowknife, N.W.T.
X1A 2R3

file - WK

Your file Votre référence

Our file Notre référence

October 3, 1991

N1L3-1563

Mr. Jim Johnstone, P. Eng.
General Manager
Colomac Mine
Neptune Resources Corp.
P.O. Box 2817
Yellowknife, N.W.T.
X1A 2R1

OCT 9 7 91

Dear Mr. Johnstone:

RE: NEW CONTACT PERSON FOR THE COLOMAC MINE WATER LICENCE

It has come to our attention that you may be leaving your position as General Manager of the Colomac Mine. If this is correct, we would appreciate the name of the new contact person.

Water Resources Division and District staff have enjoyed working with you over the past few years, and we wish you every success in your new endeavours.

Should you require further information, please do not hesitate to contact me at 920-8141.

Sincerely,

Kevin McDonnell
Controller of Water Rights
for the Northwest Territories

c.c. **N.W.T. Water Board**
NAP - Yellowknife District

GC/dab

1563.LTR

Canada