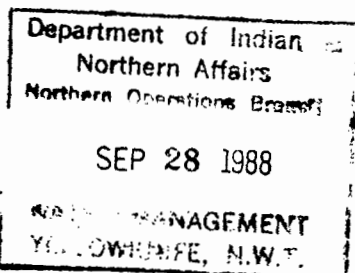




Indian and
Northern Affairs

Affaires indiennes
et du Nord



Northern Affairs Program
P.O. Box 100
Iqaluit, N.W.T.
X0A 0H0

September 14, 1988

Mr. Joe Iyerak
Secretary Manager
Hamlet of Igloolik
Igloolik, N.W.T.

Your file Votre référence

Our file Notre référence

N4L4-0571
(Application)

Dear Mr. Iyerak;

Re: Inspection Report - Igloolik, N.W.T.
July 5, 1988

Enclosed please find the above noted report prepared by Mr. Jessiman following the July 5, 1988 inspection. The inspection report identifies a number of concerns that may require your attention:

1. The improperly supported and unsealed fuel tank at the South Lake pumphouse must be immediately attended to. The pumphouse door latch and lock must be secured.
2. Three old 45 gallon drums should be removed from the water reservoir.
3. The base of the cement abutment adjacent to the reservoir pumphouse should be re-enforced.
4. The inspector recommended that the Hamlet remove the garbage and old 45 gallon drums in the creek that flows through the community.

It is most encouraging that the hamlet is building a sewage lagoon and restoring the exposed garbage dump.

The results of the water quality samples will be sent to you under separate cover when they are received by this office.

If you have any questions or comments on the inspection report please contact Mr. David Jessiman, Water Resources Officer at 979-4405.

Sincerely

J.M.A. Theriault
District Manager
Baffin District

cc. Water Resources YK
GNWT - DPW, Iqaluit (S. Kennedy)
GNWT - MACA Iqaluit (M. Ferris)
BRHB - Iqaluit (L. Wilson)

Insp
0571

IW
WB
MACA

INSPECTION REPORT
ON THE
HAMLET OF IGLOOLIK
JULY 5, 1988
BY
DAVID JESSIMAN

INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT
NORTHERN AFFAIRS PROGRAM
INDIAN AND NORTHERN AFFAIRS CANADA
IQALUIT, N.W.T.

DATE: August 18, 1988
WATER REGISTER: N/A

INTRODUCTION

On July 5, 1988, David Jessiman, Water Resources Officer of the Baffin District conducted an inspection of the water use and the waste disposal practices of the Hamlet of Igloolik, N.W.T.. The inspector was accompanied by Mr. David Hauli, Hamlet Foreman. Mr. Joe Iyerak, Secretary Manager, was not in Igloolik at the time of the inspection.

INSPECTION

Water Supply

Potable water is pumped from South Lake to a reservoir approximately three kilometers southwest of the airstrip. The water is distributed from the truck fill station at the reservoir to the community. The 16 cm HDPE pipeline and pumphouse was inspected and no concerns were noted. The pipeline was not in use at the time of the inspection. The pipeline was disconnected approximately half way to South Lake. The potable water continues to be chlorinated prior to distribution. The reservoir was inspected and three old 45 gallon drums were observed within the water. The reservoir is fenced on two sides facing the airstrip. A cement abutment adjacent to the pumphouse was slumping towards the reservoir. Four warning signs were evenly spaced along the reservoir perimeter.

The pumping station at South Lake (Main Water Source) was inspected and two concerns were observed. The pumping station consisted of a small ATCOTM trailer mounted on skids housing a diesel powered pump. Two 900 litre fuel tanks were mounted to the trailer. One tank was bolted and strapped to the building and the skid plate. The second tank was attached to the first tank with 1/4" frayed rope and supported by wooden blocks. The tank was blocked with one wooden wedge. The fuel tank was approximately 80 percent full of diesel fuel and the cap had been removed. This condition is totally unacceptable and the tanks must be properly secured. Mr. Hauli mentioned he would contact the local Government of the N.W.T. - Department of Public Works representative and have the tanks sealed and secured.

The pumping station door locks had been vandalized and the doors were wide open. The clasps and locks were heavily damaged.

The East Lake pumpout area was inspected and no concerns were noted. Mr. Hauli indicated that the Hamlet obtained their water from East Lake for the month of April. He added that the reservoir level was low and they switched to the alternate water source. Next year the hamlet is considering hauling water from East Lake for the months of March and April.

Sewage Disposal

Sewage is presently discharged at the waste disposal site approximately two kilometers north of the community. Sewage is emptied into a small depression where it flows overland for approximately one kilometer towards the shore. Honeybags are deposited along the northwestern corner of the domestic dump and is periodically covered with granular material. Most of the 100 buildings in Igloolik have sewage holding tanks and are regularly pumped out.

The Hamlet under the direction of Mr. Hauli have started work on a sewage lagoon approximately 75 meters from the northwest corner of the waste disposal site. The present dimensions are approximately 25 metres by 50 metres and 5 metres high (includes berm). Work is progressing very slowly as the ground is partially frozen. Mr. Hauli expected the lagoon to be dug out by September.

Solid Waste Disposal

The dumpsite is located approximately two kilometers north of the community facing Turton Bay. The domestic garbage is regularly burnt and periodically covered with granular material. Mr. Hauli indicated that the Hamlet is undertaking a program this September to bury exposed garbage. The metal waste area is next to the domestic garbage and is good order.

Fuel Storage

The Hamlet does not own any bulk fuel storage facilities. The fuel facilities belong to the Government of Northwest Territories and the Igloolik Co-op Ltd.

SURVEILLANCE NETWORK PROGRAM

The following water quality samples were collected:

0571-01	Reservoir (Pumphouse)
0571-02	South Lake
0571-03	Dump Drainage
0571-04	East Lake

Posting

Four warning signs were located at the water reservoir. No signs were observed near the solid waste disposal areas.

Records

Detailed water use (delivery) records were being kept by the Hamlet.

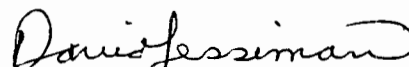
DISCUSSION

After the inspection a discussion was held with Mr. Hauli and the following concerns were noted:

1. The pumphouse fuel storage must be properly secured to the trailer and a fuel cap must be obtained and locked. The latches and a lock must be replaced on the pumphouse door.
2. Three old 45 gallon drums should be removed from the water reservoir.
3. The base of the cement abutment adjacent to the reservoir pumphouse should be re-inforced.
4. The inspector recommended as part of the annual clean-up to remove the garbage and old 45 gallon drums within the creek that flows through Igloolik. The clean-up was in progress at the time of the inspection.

The inspector found it most encouraging that the hamlet is undertaking to build a sewage lagoon and restore the exposed garbage dump.

The co-operation and assistance provided by Mr. Hauli was greatly appreciated.


David Jessiman

Inspector Under the
Northern Inland Waters Act