



Northern Affairs Program
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1985 08 15

Mr. Joanasie Sarpanik
Secretary Manager
Hamlet of Igloolik
Igloolik, N.W.T.
X0A 0L0

Your file Votre référence

Our file Notre référence **N4L4-0571**

Dear Joanasie

Re: Inspection Report on Hamlet of Igloolik, August 7, 1985

Attached is a copy of the aforementioned Inspection Report of the Hamlet of Igloolik's water supply and sanitary waste disposal services.

I'd like this opportunity to remind you that the measurement of water consumption would be valuable information to have and keep records of, and if you could do this it would be appreciated.

When the analytical results from the water samples collected during the inspection become available they will be forwarded to you.

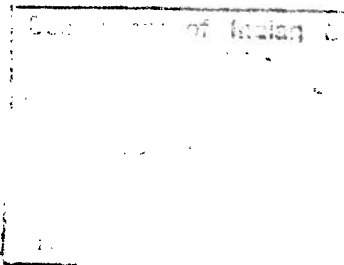
If you have any questions or comments please contact me at 979-6369.

Thank you for your co-operation during the inspection.

Yours truly

Peter Bannon
Baffin Water Resources Officer

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INSPECTION REPORT

ON

HAMLET OF IGLOOLIK

AUGUST 7, 1985

by

PETER BANNON

INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT

NORTHERN AFFAIRS PROGRAM

BAFFIN DISTRICT

Date: August 15, 1985

Water Register: N4L4-0571
(application)

INSPECTION REPORT ON

HAMLET OF IGLOOLIK N4L4-0571 (application)

A) Introduction

On August 7, 1985, the water supplies and sanitary waste disposal systems for the Hamlet of Igloolik were inspected by Peter Bannon, Inspector Under the Northern Inland Waters Act. The Inspector met with Joanasie Sarpanik, the Secretary Manager for the Hamlet to discuss various aspects of the water and sanitation system. Mr. Sarpanik was advised that the Water Board Public Hearing planned for August 27, 1985, had been cancelled.

B) Water Supply

Water is pumped from a shallow lake (South Lake), which is about 3 kilometers south of the airport to a reservoir near the airport. The water is trucked to the community from the reservoir.

Last year, the pumping facilities at South Lake were in need of some repair which has been completed. Pumping from South Lake is planned to commence shortly.

Mr. Sarpanik expressed no complaints about the drinking water other than that there have been a lot of worms in the water recently. Upon investigation there was evidence of an abundant population of fairy shrimp (Anostraca) in both the reservoir and South Lake. Mr. Sarpanik reported that none had appeared in the drinking water in homes.

Some residents of Igloolik still prefer to collect ice from another lake during the winter months for tea making.

The sodium levels in the water supply were discussed briefly and the Inspector explained that no acceptable limit has been established for sodium but if the levels exceeded 20 mg/l that it may be good for some people. The Inspector gave Mr. Sarpanik a photocopy of a brief description of the health effects of sodium in drinking water and told him that National Health and Welfare would likely be following the matter up.

Sewage Disposal

During the past inspections, the Hamlet had estimated that there was about 200 buildings in Igloolik. A revised count shows that there are 155 buildings serviced by the Hamlet of which about 87 are on pumpout tanks. There are also a couple new houses and 8 rehabs planned for this year.

The sewage is deposited in separate areas of the waste disposal dump site north of the community. The honey bags which are put in the solid waste section of the dump are periodically buried. Drainage from sewage is down towards a small bay less than 1000 meters away. The vegetation is lush in each of the drainage areas and at the time of the inspection, the flow down the hill was very low. Mr. Sarpanik said that no fishing occurs in this area.

Mr. Sarpanik informed the Inspector that a lagoon for the pump out sewage is planned in the Capital Plan for 1988. He was not aware of any plans for improved honey bag disposal.

Solid Waste Disposal

The dump site is located about 2 kilometers north of the community and the type of wastes are well segregated. As mentioned previously there is drainage from the honey bag deposit which is in the solid waste dump. There is another drainage course from the east portion of the solid waste dump which flows to the bay below. Samples of this drainage were collected about mid-way between the dump and sea.

Mr. Sarpanik was not aware of any plans for improvements in the Capital Plan. The maintenance of operation of the solid waste dumps are satisfactory although the water quality of drainage from sites is unknown at this time.

Inspection Report

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Records

Mr. Sarpanik was not aware that the consumption of water from South Lake or the reservoir was being measured. I suggested to him that at least the number of truckloads should be recorded so consumption information would be available for upcoming the Water Board Public Hearing.

The number of honeybags collected by the Hamlet are recorded but volumes of pumpout sewage are not.

Surveillance Network

Samples were collected at:

571-1 - South Lake (surface and middle)

571-2 - Reservoir

571-4 - Drainage from the solid waste disposal area.

Summary

The water supply and sanitary waste disposal systems were inspected and no major problems were observed.

The Secretary Manager was requested to initiate the recording of water consumption information.



Peter Bannon
Inspector Under the Northern
Inland Waters Act

Water Register: N4L4-0571 (application)
Dated: August 15, 1985