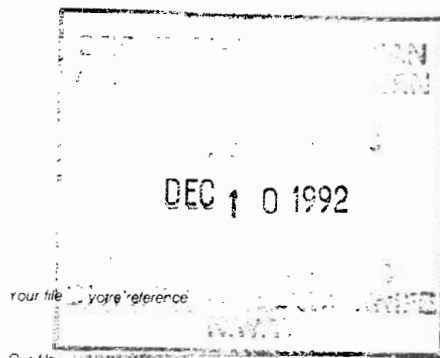


Northern Affairs Program  
P.O. Box 100  
Igloolik, NWT  
XOA OHO

December 1, 1992

Mr. Marcel Mason  
Senior Administrative Officer  
Hamlet of Igloolik  
Igloolik, NWT  
XOA OLO



B9545-5-N4L4-0571

Dear Mr. Mason;

Re: Water Management  
Hamlet of Igloolik, NWT  
Inspection Report - 30 July, 1992

1. Please find the above noted report by Mr. Paul Smith, Water Resources Officer.
2. The inspection report has identified a number of concerns which you will wish to note - please refer to paragraph 12 of the report.
3. The results of the water samples taken are included. No concerns are noted with water quality. Lab # 920792
4. Please find enclosed a bilingual (Inuktitut/English) explanation of the parameters tested.
5. Please feel free to contact our District Office if you have any questions or comments on this report.

Sincerely,

J.M.A. Theriault  
District Manager  
Baffin District

cc: Municipal Co-ordinator  
Water Resources  
DIAND NAP/NWT Region

INSPECTION REPORT

WATER MANAGEMENT

HAMLET OF IGLOOLIK

30 JULY 1992

BY

PAUL SMITH

INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT

NORTHERN AFFAIRS PROGRAM

IQALUIT, NWT

DATE: 28 SEPTEMBER 1992  
WATER REGISTER: N/A - UNLICENCED  
COMMUNITY

## INSPECTION REPORT

### Water Supply

1. The reservoir is being enlarged by 18,000 m<sup>3</sup>. Construction was in progress at time of inspection. The reservoir was scheduled to start being filled on 08 Aug 92. Water is pumped from South Lake to the reservoir. The pumping station that was of concern in the 1988 inspection had been brought back to town and was being renovated. It is thought that enlarging of the reservoir should meet the demands of the community for the next 8-10 years. South Lake was inspected and no concerns were noted.

2. Currently, water is taken from North Lake by truck to supply the community. North Lake has been used since this spring and will be used until the work on the reservoir is complete and it is once again filled. North Lake was inspected. It was noted that there was some oil staining on the ground at the truck fill site, presumably from the water truck. A very slight sheen of oil was visible right at the shore when you stepped in that area. No other concerns were noted.

### Waste Disposal

#### Sewage

3. A large addition to the present lagoon is currently being constructed. It will more than double the capacity of the lagoon. It was decided not to place the bagged sewage waste disposal site adjacent to the lagoon as it would make it difficult to further enlarge the lagoon, if necessary.

4. There was a breach in the lagoon this spring. It occurred fairly high on the berm, and Mr. Mason stated that only liquid waste decanted off. The addition and modifications planned for the lagoon will probably prevent a breach from occurring again.

#### Bagged Sewage

5. Bagged sewage is currently placed in a small depression near the sewage lagoon. It was felt to be unacceptable by the Hamlet. This is why a new bermed feature in a sandy area was chosen as the site to locate the new disposal area. When construction is complete, the old site will be buried. There are still 20-25 houses that continue to use the bagged sewage system.

### Domestic

6. This area was burned and well maintained. The annual burial of the site was planned for late August. There was little leachate visible. The ground was wet, and there were some small, stagnant puddles, but not enough for a sample to be collected.

### Waste Metal

7. There is segregation of waste metal, with some organization of larger vehicles.

### Fuel Storage

8. GNWT facilities were inspected. No concerns were noted. NTPC facilities were inspected. It would appear that the berms are inadequate, as the berms are not high enough. This concern has remained unaddressed since the last inspection of July, 1988.

### Warning Signs

9. The warning signs at the water reservoir have faded considerably. There are no warning signs at the dump or sewage lagoon or outfall areas.

### Records

10. The Hamlet maintains detailed records of water use on their computer system. Records of consumption are broken down into three user groups: Residential, Government, and Industry.

### Surveillance Network Program

11. Water quality samples were collected at the following locations:

- 0571-02 - South Lake (raw water, reservoir supply)
- 0571-05 - Sewage effluent at, but below berm
- 0571-06 - North Lake (current source of raw water)

### Discussion/Concerns

12. The following topics were discussed during the inspection:
- a. The inspector commends the Hamlet for taking such a progressive and ambitious move towards improved waste disposal practices.

- b. The Hamlet is requested improve the warning signs at the water reservoir, and that warning signs be placed at the dump and sewage lagoon when construction is complete.
- c. Mr. Mason stated that the Hamlet would be introducing municipal by-laws to control unregulated dumping at the dumpsites.

13. The inspector greatly appreciated the assistance that Mr. Marcel Mason, SAO, provided throughout the Igloolik inspection.