

**1994 MUNICIPAL INSPECTION REPORT**  
**FOR**  
**THE HAMLET OF AKLAVIK, NORTHWEST TERRITORIES**  
**WATER LICENCE N3L4-0570**

**OCTOBER 31, 1994**

**PREPARED BY**  
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**INDIAN AND NORTHERN AFFAIRS CANADA**  
**INUVIK, N.W.T.**

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**Introduction**

This Licence allows for municipal water use and waste disposal at Aklavik, Northwest Territories. This Licence became effective May 1, 1989 and expires April 30, 1999.

An inspection of Aklavik's water supply and waste disposal facilities was conducted by Scott Gallupe, Water Resources Officer (Inspector), Inuvik, on October 31, 1994.

There were no changes in the facilities or method of operation for waste disposal and water intake\distribution.

The contact people for the inspection were Nellie Gruben, Senior Administrative Officer, Ron Sayers, Assistant Hamlet Foreman, and Roy Kasook, GNWT/DPW Maintenance Foreman.

**A. WATER SUPPLY**

The year round water supply is obtained from the Peel Channel of the Mackenzie River on the southwest side of the Hamlet. Raw water is treated by a coagulation, flocculation, filtration, and chlorination process. The Government of the Northwest Territories (GNWT), Department of Public Works (DPW), maintains the intake line and treatment plant.

Water is distributed solely by tank truck. The Hamlet tenders the contract for delivery of water to Storr and Sons Contracting Limited. The 4 inch diameter steel summer pipeline (summer only) is not used any more due to high maintenance costs.

Raw water quantities are recorded from a meter in the pumphouse/treatment plant. Records of water quantities pumped from the Peel Channel are kept at the pumphouse/treatment plant and are given to the Hamlet Office by GNWT/DPW. The Hamlet reports these quantities annually per Water Licence requirements and for the GNWT Water/Subsidy Program.

Records of chlorine concentrations were being kept at the treatment plant but it was not apparent what the values meant ie. units? total chlorine? residual chlorine? etc.. This caused some uncertainty about the credibility of the chlorination treatment.

Samples were taken of raw water from a tap inside the treatment plant, known as SNP 570-1. Results will be forwarded when available. SNP 570-1 was posted to the satisfaction of the Inspector.

No other concerns were noted regarding water supply at the time of inspection.

**B. SEWAGE DISPOSAL**

Sewage pumpout is deposited at Clearing Lake, the sewage lagoon, approximately 2 km northwest of the community. The lagoon had approximately 8 inches of ice at the time of inspection. There was no garbage noted in the sewage lagoon. The pumpout chute was being used and no erosion problems were noted.

Sewage pumpout is contracted to Storr and Sons Contracting Limited by the Hamlet. There are approximately 170 units on sewage pumpout facilities.

There are approximately 15 units that are on bagged sewage pick-up. Honeybags are picked up once every two days and deposited at a pit at the solid waste disposal site. The pit was posted to the satisfaction of the Inspector.

The sewage lagoon was not posted to the satisfaction of the Inspector.

Samples had been taken at SNP station 570-3, by the Hamlet, on October 25, 1994, but were sent to the wrong address and the sample shelf-life expired. Samples were taken again by the Hamlet at the time of inspection. As mention earlier in this report, freezing of the lagoon had already begun and the Hamlet was reminded that they are to sample **just prior to freeze-up**. The Hamlet was instructed again on how to sample, where to sample, when to sample, how to fill out the field data sheet, how to pack the samples, and where to send the samples for analysis.

The Hamlet was also reminded to sample SNP station 570-3 **immediately after break-up** and station SNP 570-4 **once per year**.

No other concerns were noted regarding the sewage lagoon at the time of inspection.

**C. SOLID WASTE DISPOSAL**

Garbage is deposited at the solid waste disposal site located 1.5 km north of the community adjacent to the sewage lagoon. Domestic garbage was being deposited in the new cell constructed in 1993. The old cell had been partially covered with soil.

The amount of wind blown debris was nominal and there is no controlled access or fencing at this solid waste disposal site.

There was a posted bagged sewage pit at the site. The entrance to the solid waste disposal site was also posted to the satisfaction of the Inspector.

There is a separate area for bulky metal waste. This area was posted. The Hamlet has collected approximately 50 empty 45 gallon drums from around the community and storing them adjacent to the domestic garbage cell. The Hamlet says the bulky metal waste site

can become too wet in the spring and summer. It was not apparent what the Hamlet plans to do with these drums.

**D. SURVEILLANCE NETWORK PROGRAM (SNP)**

It was not apparent whether the Hamlet has sampled SNP station 570-4 in 1994. The Hamlet was reminded to sample this station at least once annually per Water Licence requirements.

The Hamlet was also reminded to submit all SNP data with their Annual Report that is due March 1st following the year to be reported.

**E. POSTING**

The sewage lagoon was not posted to the satisfaction of the Inspector. The Hamlet was asked to improve the posting of their sewage lagoon.

SNP stations 570-3 and 570-4 were not posted. The Hamlet was reminded again it is a Licence requirement to post these stations to the satisfaction of the Inspector.

The water supply facilities were posted to the satisfaction of the Inspector.

**F. OTHER CONCERNS**

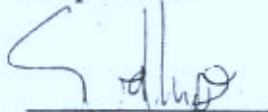
Results of studies by the Department of Fisheries and Environment Canada in relation to the Clearing Lake sewage lagoon were not available at the time of this report. The Hamlet will be consulted when these reports are available.

No other concerns were noted at the time of inspection.

**G. OFFICIAL ONSITE DISCUSSION**

A meeting with Ron Sayers and the Inspector occurred after the inspection to discuss the inspection and the terms and conditions of the Hamlet's Water Licence N3L4-0570. The Inspector asked Mr. Sayers to relay the information discussed during the inspection back to his supervisor.

The Inspector would like to thank Ron Sayers and the Hamlet for their assistance and cooperation.



Scott Gallupe  
Water Resources Officer  
Inuvik District