

MUNICIPAL INSPECTION REPORT

ON

THE HAMLET OF AKLAVIK

WATER LICENCE N3L4-0570

JULY 10, 1990

Prepared by

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NORTHERN AFFAIRS PROGRAM

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HAMLET OF AKLAVIK
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Introduction

An inspection of the water supply and waste disposal facilities was conducted by Scott Gallupe, Water Resources Officer, on July 10, 1990.

Persons of contact during the inspection were Knute Hansen, Senior Administrative Officer, and Richard Ross, Assistant Hamlet Foreman.

Recent Population Figure: 1,000

Number of Dwellings: 270

A. Water Supply

The year round water supply is obtained from the Peel Channel of the Mackenzie River on the south side of the Hamlet. GNWT's Department of Public Works maintains the intake line and treatment plant.

In May, DPW had sheared off the intake line that was enclosed in a steel casing in assumption that it would be taken out with the ice break-up. The intake line had heaved as noted in the last inspection, however the ice break-up did not shear it off. DPW plans to hook up the old intake line this summer after the necessary repairs are done. A temporary 4 inch PVC line has been put in replacement through the window of the treatment plant.

The treatment plant was neat and tidy.

The quantity flow meter has been taken out and there are no records of quantity being kept except when the truck fill-up is operation. The truck fill-up station was not operational at the time because the summer line was operational.

Samples were taken in the treatment plant from a tap before treatment, SNP Station #570-1 and from a tap after treatment, known as 570-1A (not an SNP Station).

There has been record of high sediment content in the treated water over the past year or so which prompted DPW to call in the manufacturer of the treatment system to assess it and fine tune it. The manufacturer was in Aklavik in May and apparently the system has been operating better.

Results will be forwarded when available.

B. Sewage Disposal

Pump-out is contracted to O.D. Hansen Enterprises. There are approximately 30 dwellings that use honey-bags. The dwellings using honey-bags have them picked up twice a week and deposit their grey water beside their residence in a ditch. Honey-bags are deposited in a pit at the dump. No problems noted.

The pump-out facilities at Clearing Lake were posted. An employee of the pump-out contractor, O.D. Hansen Enterprises, was observed at the time of inspection of releasing the contents of the pump-out truck down the bank underneath the pump-out pipe. It was brought to his attention that this is a totally unacceptable practice, however he continued to pump-out. There was no reason why the hose from the truck should not have been inside the pump-out pipe. This practice has caused a fair amount of erosion at the pump-out pad and threatens the integrity of this facility. This practice prevents the proper mixing of the pump-out into Clearing Lake.

Samples were taken at SNP Station #570-3. Results will be forwarded when available.

C. Solid Waste Disposal

There was a fair amount of windblown debris at the present site. There was segregation of bulky metal waste.

The old dump had been capped, contoured and seeded. Approximately 75% of the site had vegetation growing on it.

The present solid waste disposal site was posted.

D. Surveillance Network Program

Part B, Item 1 states: "The effluent at Station 570-3 shall be sampled once immediately after break-up of the Clearing Lake Sewage Lagoon and once prior to freeze-up".

There were no samples taken immediately after break-up at Station 570-3. Samples were taken on date of this inspection at Station 570-3. Results will be forwarded when available. The Hamlet has been asked to sample during these periods at SNP Station 570-3 to meet Licence requirements.

E. Posting

All posting requirements were met.

F. Restoration and Maintenance

The old solid waste has been capped, contoured and seeded. There is approximately 75% vegetation cover.

Maintenance and repair on the present intake for raw water should be complete in 1990.

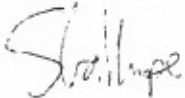
G. Other Concerns

There is concern of sewage migrating into Pump lake when the Peel Channel backs up during break-up. A sampling study in coordination with the Hamlet next break-up period was discussed to identify if there is a problem.

H. Official Onsite Discussion

A meeting with Knute Hansen, Senior Administrative Officer, occurred after the inspection to discuss the inspection and the terms and conditions of the Hamlet's Water Licence N3L4-0570.

The Inspector would like to thank Knute Hansen and Richard Ross for their assistance and cooperation.



Scott Gallupe
Water Resources Officer