



1994 MUNICIPAL INSPECTION REPORT
FOR
THE INCORPORATED HAMLET OF PAULATUK
WATER LICENCE N7L3-1619
SEPTEMBER 28, 1994

PREPARED BY
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INUVIK, N.W.T.

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Introduction

The Incorporated Hamlet of Paulatuk was recently issued a new "Type B" Water Licence N7L3-1619. This Licence allows for the use of water and disposal of waste for municipal purposes at Paulatuk, Northwest Territories. This Licence became effective July 1, 1994 and expires June 30, 1999.

An inspection of Paulatuk's water supply and waste disposal facilities was conducted by Scott Gallupe, Water Resources Officer (Inspector), Inuvik, on September 28, 1994.

The contact people for the inspection were Ken Thompson, Senior Administrative Officer and Keith Dodds, Hamlet Foreman.

A. WATER SUPPLY

Water is obtained from New Water Lake located 2.0 km southeast of the community. The construction of the new pumphouse at the lake was complete by DPW-GNWT in the summer of 1992 and has been operational since. There is one intake line out 20 metres from shore and one backwash line adjacent to it. The intake rests on the lake bed and has a fine mesh screen on the end.

Water is delivered solely by tank truck and done by the Hamlet. The tank truck fill-up is at the pumphouse at New Water Lake. The pumphouse was neat and tidy.

The only raw water treatment is automatic chlorine injection done at the pumphouse.

The pumphouse meter was operational and records are kept at the pumphouse and Hamlet Office for water quantities per GNWT's Water/Sewage Subsidy Program.

The overall water supply facilities were posted to the satisfaction of the Inspector; however, SNP station 1619-1 was **not posted**.

Raw water samples were taken from a tap inside the New Water Lake pumphouse, before treatment, known as SNP station 1619-1. Results will be forwarded when available.

B. SEWAGE DISPOSAL

Sewage pumpout was being deposited at the newly created and approved sewage lagoon, known as Lake A. This sewage lagoon is located approximately 2 km southwest of the community. A truck turn-around pad and pumpout chute was in place at time of inspection.

There is no continuous outflow of the lagoon other than at peak spring run-off. The outflow flows through a thick vegetative area of about 500 metres long before it would reach the shoreline of Darnley Bay. There is no decant control structure at this time; however, there are approved plans for one if levels in the lagoon deem it necessary for its installation. The point of outflow from the sewage lagoon is known as SNP station 1619-2. There was no flow at the time of inspection, therefore, no samples were taken at that time. The Hamlet was reminded to observe the lagoon at peak spring run-off for the collection of samples as per Water Licence requirements.

The old sewage lagoon near the community is in the process of being abandoned and some restoration was evident at time of inspection. Some garbage had been pulled from the old lagoon, the pumpout chute had been removed, and the shoreline adjacent to pumpout chute had been partially covered with fill. The Hamlet was reminded to submit to the NWT Water Board, for approval, an Abandonment and Restoration Plan for the former sewage and solid waste disposal sites as per Part F, Item 3 of the Hamlet's Water Licence N7L3-1619. **This plan is due January 1, 1995.**

There was **no bagged sewage pit** at the time of inspection. The Hamlet was reminded that they are to have separate Bagged Toilet Waste Disposal Facilities to the satisfaction of the Inspector. Mr. Dodds (Hamlet Foreman) says there are plans to build a bagged sewage pit, adjacent to the pumpout chute, in the fall of 1994. It was not apparent at the time of inspection how many units use honeybags.

The sewage disposal facilities were **not posted** to the satisfaction of the Inspector.

C. SOLID WASTE DISPOSAL

The new solid waste disposal site is adjacent to the Lake A sewage lagoon, approximately 2 km southwest of the community. The Hamlet has been using this site since the fall of 1993. There are two large pits for domestic garbage. Pit #2 is precariously close to the sewage lagoon and the Hamlet had been asked to fill the pit in and to write to the NWT Water Board describing this modification. This pit had not been completely abandoned at the time of inspection. There was garbage in Pit #2 and **there should not have been**. The Hamlet was asked to remove the garbage and close the pit. The Hamlet was reminded that this facility is theirs and that they are responsible for operating and maintaining the facility.

The Hamlet has dug another pit (Pit #3) further away from the lagoon but struck ground water. The Hamlet was told that it is not acceptable to deposit garbage into Pit #3 because

of the high possibility of contaminating the groundwater. Pit #1, which is the only approved pit for solid waste disposal at this time, appeared to be three-quarters full because of little to no compaction. The Hamlet was reminded that any modification of these approved facilities requires written notification to the NWT Water Board.

There was some portable fencing at Pit #1 that kept wind blown debris down to a minimum.

The solid waste disposal site was **not posted** to the satisfaction of the Inspector.

There is a separate area for bulky metal waste; however, this area was **not posted** to the satisfaction of the Inspector either.

The old solid waste disposal site near the community has been abandoned and has had some restoration done to it at the time of inspection. The domestic garbage area had been covered with some fill and the bulky metal waste had been moved to the new site adjacent to the new solid waste disposal site. The Hamlet was reminded again to submit to the NWT Water Board for approval an Abandonment and Restoration Plan for the old solid waste disposal site.

D. SURVEILLANCE NETWORK PROGRAM (SNP)

All SNP requirements had been met at the time of inspection.

E. POSTING

There were **no** signs at the waste disposal areas and SNP stations. The overall water supply facilities were posted. The Hamlet was reminded that the water and waste disposal facilities are to be posted to the satisfaction of the Inspector.

F. RECORDS AND REPORTING

Records are kept of water quantities delivered to units and the number of sewage pump-outs per unit. Records are kept at the Hamlet Office as part of the GNWT Water/Sewage Subsidy Program. The Hamlet was reminded that monthly and annual quantities of water pumped and waste discharged are to be reported in the Annual Report.

G. CONTINGENCY PLANNING

It is not apparent that the Hamlet has an Emergency Response Plan; however, the Hamlet is familiar with reporting all spills to the NWT 24 Hour Spill Report Line 403-920-8130.

H. OTHER CONCERNS

The Hamlet was reminded to ensure a copy of their Water Licence N7L3-1619 is maintained at the municipal office at all times.

The Hamlet was also reminded to submit to the NWT Water Board for approval, a plan for **Operation and Maintenance of the Sewage and Solid Waste Disposal Facilities by January 1, 1995.**

I. OFFICIAL ONSITE DISCUSSION

The Inspector met with Ken Thompson, Senior Administrative Officer and Keith Dodds, Hamlet Foreman, to discuss the inspection and the terms and conditions of the Hamlet's Water Licence N7L3-1619.

The Inspector would like to thank Ken Thompson and Keith Dodds for their assistance and cooperation.



Scott Gallupe
Water Resources Officer
Inuvik District