

**MUNICIPAL INSPECTION REPORT**

**FOR**

**WATER LICENCE N7L4-1525**

**THE HAMLET OF HOLMAN**

**JULY 16, 1992**

**PREPARED BY**

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**WATER RESOURCES OFFICER**

**INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT**

**NORTHERN AFFAIRS PROGRAM**

**INDIAN AND NORTHERN AFFAIRS CANADA**

**INUVIK, N.W.T.**

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WATER LICENCE N7L4-1525**

**Introduction**

An inspection of the water supply and waste disposal facilities was conducted by Scott Gallupe, Water Resources Officer, Inuvik, on July 16, 1992.

There were no changes in the water supply and waste disposal facilities or methods of operation.

The contact people for the inspection were Agnes Egotak, Senior Administrative Officer and Peter Malgokak, Acting Hamlet Foreman.

**A. WATER SUPPLY**

Water is obtained from RCAF Lake located 2 km northeast of the Hamlet. DPW maintains the heated pumphouse at the lake while the Hamlet provides delivery of water solely by truck. There are two intake pipes at the pumphouse. One is used for drawing water and the other is used for backwashing the filter. The water has a very low sediment level so backwashing is done maybe once a month.

The water is chlorinated by an automatic injection system using a powdered calcium hypochlorite solution. The system was operational at the time of inspection. Records were being kept at the pumphouse of the daily chlorine levels. The target amount is 0.2 mg/L total residual chlorine. No problems noted.

There is a meter in the pumphouse that is being read by the Hamlet for water quantities pumped from RCAF Lake. The Hamlet pumped approximately 8,950 m<sup>3</sup> of water from RCAF Lake as reported in their 1991 Annual Report. The Hamlet has not exceeded the allowable 35,000 m<sup>3</sup> per year as stated in their Water Licence. Records are kept at the Hamlet office.

The pumphouse was clean and tidy. The water supply facilities were well posted. No problems were noted with water supply.

Samples were taken at SNP station 1525-1. Results will be forwarded when available.

The Community Health Nurse takes bacti samples monthly and as required at the nursing station, Arctic Char Inn and the water truck.

## **B. SEWAGE DISPOSAL**

There are approximately 14 units that are on bagged sewage. The remainder of the community, approximately 122 buildings, are on sewage pumpout.

Greywater is discharged onto the overburden adjacent to the building not equipped with pumpout facilities. The Hamlet has still not submitted a summary plan to eliminate the disposal of greywater adjacent to dwellings as required by their Water Licence Part C, Item 12.

There is a newly constructed honeybag pit adjacent to the sewage lagoon. There were no problems noted with the pit except that it was not posted.

The new sewage disposal facilities have been in use since 1988, however no proposal was received by the NWT Waterboard. It has been brought to the Hamlet's and MACA's attention that a proposal is first to be submitted for approval and then plans submitted, within six (6) months of completion of facilities, on material that will reproduce with the use of a standard printer. DIAND awaits the plans that will reproduce with the use of a standard printer.

There was some overflow from the sewage lagoon during the 1991-92 winter due to freezing. The amount was apparently not significant. However, MACA plans to cut a "V notch" into the existing berm and place large diameter rocks to prevent escape of solid effluent. MACA says, "the idea of cutting a notch would allow for continuous controlled drainage of liquid effluent from the lagoon towards and in an area that should allow for greater percolation of the liquid into the surrounding ground". The Hamlet was reminded to notify NWT Waterboard of modifications. It was also pointed out that any unauthorized outflow from the sewage lagoon is considered an unauthorized discharge of waste (spill) and should be reported as such.

There is no other outflow except by percolation therefore no samples were taken at time of inspection.

There was at least a 0.5 metre freeboard around the lagoon. There were two pumpout chutes (alternative for freezing) and no garbage in the lagoon.

The sewage lagoon was not posted.

**C. SOLID WASTE DISPOSAL**

The Hamlet collects the domestic garbage from barrels and trucks it to the solid waste disposal site approximately 1.5 km northwest of the community. The site has a number of cells created with gravel berms. This aids in keeping the drainage from mixing with the garbage. The site is in a low lying stagnant water area with no noticeable flow into or out of the site. Therefore no samples were taken at SNP station 1525-3.

There was segregation of bulky metal waste and the site was posted.

There has been no proposal nor plans submitted for a new solid waste disposal site as required by their Water Licence. Agnes Egotak says there are no plans to move the solid waste disposal site.

The site is being operated and maintained more as a dump than a sanitary landfill site. There was evidence of infrequent backfilling such as full cells with no caps. There was no fencing and wind blown debris was nominal.

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

The SNP requirements were complied with except for the Annual Report being three (3) months late.

**E. POSTING**

All posting requirements were met except for the honeybag pit and sewage lagoon.

**F. RECORDS AND REPORTING**

The records and reporting requirements have been complied to, with the exception of the plans for the sewage lagoon not being submitted on material reproducible by standard printer. There is current discussion with Water Resources, Yellowknife, if this requirement is practical. Please comply till otherwise notified.

As previously mentioned, the Annual Report was three (3) months late.

**G. ABANDONMENT AND RESTORATION**

No new abandonment and restoration noted.

**H. OTHER CONCERNS**

Part A, Item 8 of the Hamlets Water Licence states: "The Licensee shall immediately report to the Inspector via the 24 hour Spill Report Line (920-8130) any spills of toxic materials which are reported to, or observed by the municipality within the municipal boundaries or in the area of the water supply or waste disposal facilities. A detailed report of each such event shall be submitted to the Controller not later than fourteen (14) days after the spill is detected.

The Hamlet is reminded of this requirement in view of the sewage lagoon overflow in the winter of 1991-92.

**I. OFFICIAL ONSITE DISCUSSION**

A meeting with Agnes Egotak, Senior Administrative Officer occurred after the inspection to discuss the terms and conditions of the Hamlet's Water Licence.

The Inspector would like to thank Agnes Egotak and Peter Malgokak for their assistance and cooperation.



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Scott Gallupe  
Water Resources Officer.