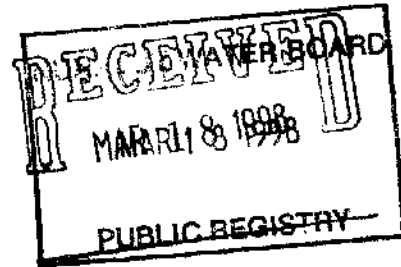




BAKER LAKE, N.W.T.
X0C 0A0

March 9, 1998

Nunavut Water Board
Box 119
Gjoa Haven, NT
X0E 1J0



DIAND Nunavut District
Box 100
Iqaluit, NT
X0A 0H0

1997 Annual Report as per Section 15 of Water License #N6L3-1191

Submitted by: Hugh Ikoe, Municipal Works Foreman
Leo Caouette, CWMS Trainer

A) Surveillance Network Program

1. Find attached Analytical Results from August 6, 1997 Inspection by Paul Smith, samples collected at site 1191-1 and 1191-2.

B) Monthly and Annual Quantities of Water

1. Find attached YTD Water Consumption Bar graph for water consumption January 1st 1997 to Dec 31st 1997.

C) Monthly and Annual Quantities of Fluid Discharge

1. Find attached YTD Sewage Fluid Discharge from January 01, 1997 to December 31, 1997.

D) Modifications and Maintenance Water Supply and Waste Disposal

1. Water Supply:

- 1.1 No major modifications were carried out on Water Supply.
 - 1.2 Regular Maintenance Performed on Pump House: Utilidor Storage Tank emptied and cleaned, truckfill tanks emptied and cleaned. Regular P/M of furnace and controls. Regular P/M on Pumps and controls.
 - 1.3 Engineering and design awarded to Dillon Consulting for new water intake lines and pump house improvements.
 - 1.4 Design and Engineering begins September 1st, 1997. See attached schedule from Dillon Consulting Ltd.
 - 1.5 Design and Plans to be submitted to Nunavut Water Board.
 - 1.6 New Water intake construction and Pump House improvements to begin spring or summer of 1998, subject to Water Board Approval.
 - 1.7 Utilidor water line froze December 26, 1997, line heated and drained, abandoned for winter, will repair breaks in summer and restore.
 - 1.8 Hamlet's new policy and scheduling has had a positive increase in Household Water consumption from 71 litres per person per day in 1995/96 to 83 litres per person per day in 1997. The Hamlet Council is pleased with these numbers, as an increase in water consumption generally leads to better hygiene and healthier living.
2. Sewage Disposal Site:
- 2.1 No modifications were carried out for 1997 at sewage disposal site.
3. Solid Waste Site:
- 3.1 Solid waste cells were angled to align with prevailing wind to reduce snow drifting and accumulation of snow in land fill site. Modification have been successful and we have noticed a substantial decrease in snow this winter.
 - 3.2 Signs erected to separate steel, wood, construction materials and household waste. The Hamlet would like to encourage recycling.
 - 3.3 Barricade put up in summer to manage and control dumping to designated areas only. Barricade removed in winter to prevent snow buildup.
 - 3.4 Bulky waste site rearranged and organized, barrels crushed in barrel crusher and stacked.
 - 3.5 1998 improvements to solid waste site: chain link fence will be erected on east and north side of site. Bulky waste Pad will be expanded by 35m x 25m. Refuse oil cell will be decommissioned (no longer required all waste oil is used up in waste oil furnace). Honey bag cell will be decommissioned.

E) Abandonment and Restoration Work

1. Airplane Lake Disposal project was continued; three remote sites were cleaned all drums and waste were transported to the Airplane Lake site for burial. These remote sites consisted of barrels filled with household waste. These sites were created in the 1950 's and 1960's. Dillon Consulting did a inventory and prepared

a work plan in 1996 on this project. Dillon's Report submitted to Nunavut Water Board (should be on file). Restoration of Airplane Lake site continued with consolidation of waste from remote sites and burial. Compacting and burial will continue for 1998 at the Airplane Lake site. It has not yet been decided on what to do with the bulky waste at this site, future funding as not been secured. DIAND and NTI have both refused to provide any funding towards this project.

F) Unauthorized Discharges

1. There are no known unauthorized discharges.

G) Studies

- 1.1 MACA, Nunavut Water Board and DIAND released "Sewage Treatment Using Tundra Wet Lands" report prepared by Dillon Consulting, data and sampling collected at the Baker Lake Wet Lands in 1996.
- 1.2 No future studies are known of at this time.