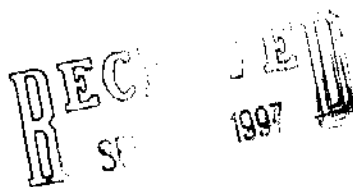




DIAND Nunavut District  
Box 100  
Iqaluit, NT  
XOA OHO

August 26, 1997



Your file    Votre référence

Our file    Notre référence

B9545-5-N6L3-1191

Mr. Dennis Zettler  
Senior Administrative Officer  
Hamlet of Baker Lake  
Baker Lake, NT  
XOC OAO

Dear Mr. Zettler;

**Water Licence Inspection - August 6, 1997**

1. Attached is a copy of the inspection report prepared as a result of the water licence inspection of August 6, 1997.
2. There are a number of issues that must be addressed. Primarily is the requirement for the 1996 Annual Report to be submitted per **Part B, Item 1** of water licence N6L3-1191. In addition, warning signs must also be posted per **Part B, Item 4** of the licence. Lastly, SNP Station signs must be posted at the water supply and waste disposal per **Part B, Item 6** and **SNP, Part A** of the licence.
3. This last requirement is dependent on the recommendations made in a study to determine the best location for this SNP station. The final decision of where to locate this station rests with the Nunavut Water Board. By copy of this letter, the Board and Water Resources Division, DIAND, YK, are requested to conclude this study and finalize the location of this SNP station.
4. Once this has been done, there are sampling requirements that the Hamlet will have to undertake to comply with the licence. Until this SNP station is determined, the Hamlet is not being required to collect SNP samples.
5. Another issue that must be addressed by the Board is the matter of the O+M plan that was submitted in November of 1996. This is a well developed plan that awaits approval by the Board.

.../2

6. Work is continuing on cleaning up an abandoned waste disposal site near Airplane Lake. If not already done so, the Hamlet should provide a copy of the clean-up plan to the Nunavut Water Board.
7. Results of water samples collected during the inspection will be forwarded once all analysis has been completed.
8. If you have any questions about the inspection report or other matters noted above, please do not hesitate to contact this office at your convenience.

Sincerely,



Paul Smith  
Water Resources Officer  
Nunavut District

- cc.
- Nunavut Water Board, Gjoa Haven
  - Water Resources Division, DIAND, YK
  - RMO, DIAND, Rankin Inlet
  - MACA, Rankin Inlet (Don Forsyth)
  - Public Health, Rankin Inlet (Leslie Moody)



## MUNICIPAL WATER USE INSPECTION FORM

DATE: 6 August 97 COMPANY REP: Hugh Place - Foreman  
LICENSEE: Hamlet of Baker Lake LICENCE #: N163-1191

### WATER SUPPLY

Source (s): Baker Lake Quantity Used (to date): ~ 30,300 m<sup>3</sup>/year  
Owner/Operator: Hamlet (estimate or actual)

Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable

Intake Facilities: Note 1 Storage Structure N/A Treatment Systems A Chem. Storage A  
Flow Meas. Device A Convey. Lines N/A Pumping Stations Note 1

Comments: As noted last year, pumphouse + intake lines are of advanced age. Funding has been secured to replace intake lines.

### WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Primary # +  
Natural Water body Note 2 Continuous Discharge (land or water) to land  
Seasonal Discharge Wetlands Treatment Yes Trench  
Solid Waste: Owner/Operator: Hamlet  
Landfill ✓ Burn & Landfill ✓ Other

Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable

Disch. Quality Samples Collected Note 3 Decant Structure N/A Erosion Note 4  
Disch. Meas. Dev. N/A Dyke Inspection N/A Seepages N/A  
Dams, Dykes N/A Freeboard N/A Spills note 6  
Construction N/A O & M Plan Note 5 A & R Plan Note 7

Periods of Discharge: Continuous Effluent Discharge Rate: varies

Comments: Note 2 - Sewage is disposed of into a pit. From there it flows down a heavily vegetated decline to a small pond. Flows through a wetlands area to another pond. Overland again to Airplane Lake and eventually into Baker Lake.

### FUEL STORAGE

Owner: \_\_\_\_\_ Operator: \_\_\_\_\_ Condition of Tanks: \_\_\_\_\_  
Berms & Liners: \_\_\_\_\_ Water within berm: \_\_\_\_\_ Evidence of Leaks: \_\_\_\_\_  
Drainage Pipes: \_\_\_\_\_ Pump Station and Catchment Berm: \_\_\_\_\_  
Pipeline Condition: \_\_\_\_\_ Not Applicable: not inspected.

### VEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) none - see note 3  
(DIAND) 1191-1, 1191-2\*  
Signs Posted: SNP not posted Warning Required  
Record & Reporting 1996 Annual Report has not been submitted

Geotechnical Inspection: \_\_\_\_\_

Non-Compliance of Act or Licence: 1996 Annual Report has not been submitted. Warning signs are required at the waste disposal facility. SNP station signs are required at 1191-1 and at 1191-2 (when officially identified).

Page 2 attached Yes ☒ No

Licensee Representatives Title

N/A

Licensee Representatives Signature

Inspector's Name

Inspector's Signature



## WATER USE INSPECTION REPORT (continued)

Date: 6 August 97

Licence #: N613-1191

### General Comments: (Continued)

Note 3 A water sample was collected @ the inlet to airplane lake - this is the proposed location of SWP 1191-2, but it has not been officially approved by the Board. Consequently, the Hamlet has not collected any samples because the clause that outlines sampling requirements is dependent on the SWP location being made official.

Note 4 A channel has been cut through the retention berm at the sewage disposal area.

Note 5 The Hamlet prepared an O&M plan for their waste disposal facility. It was provided to the Board in November of 1996. The Board has yet to approve of the plan.

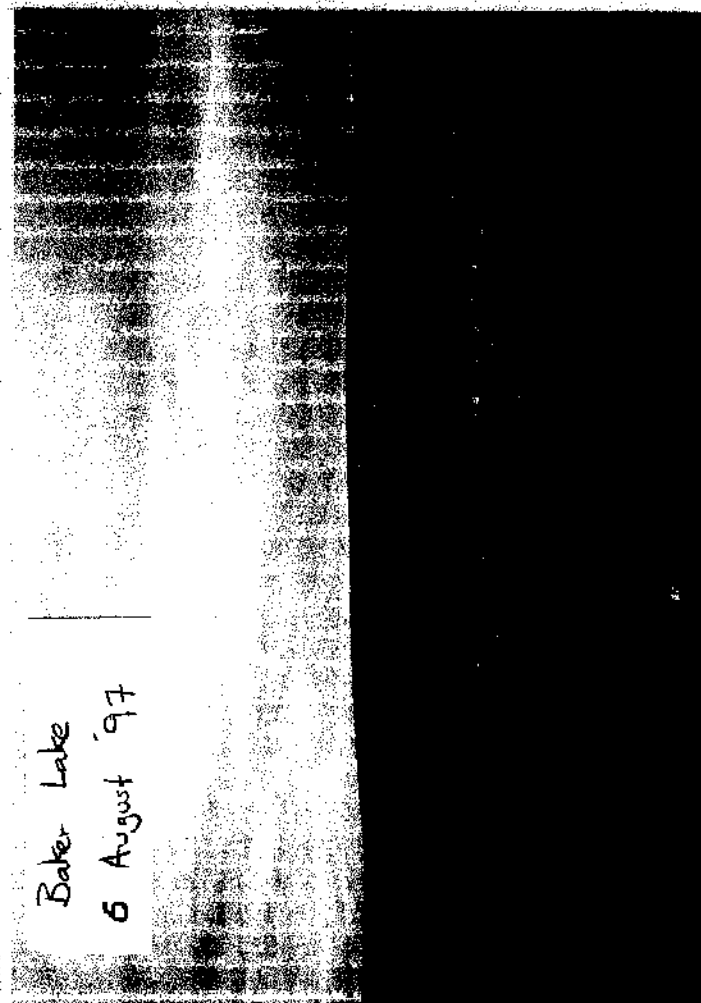
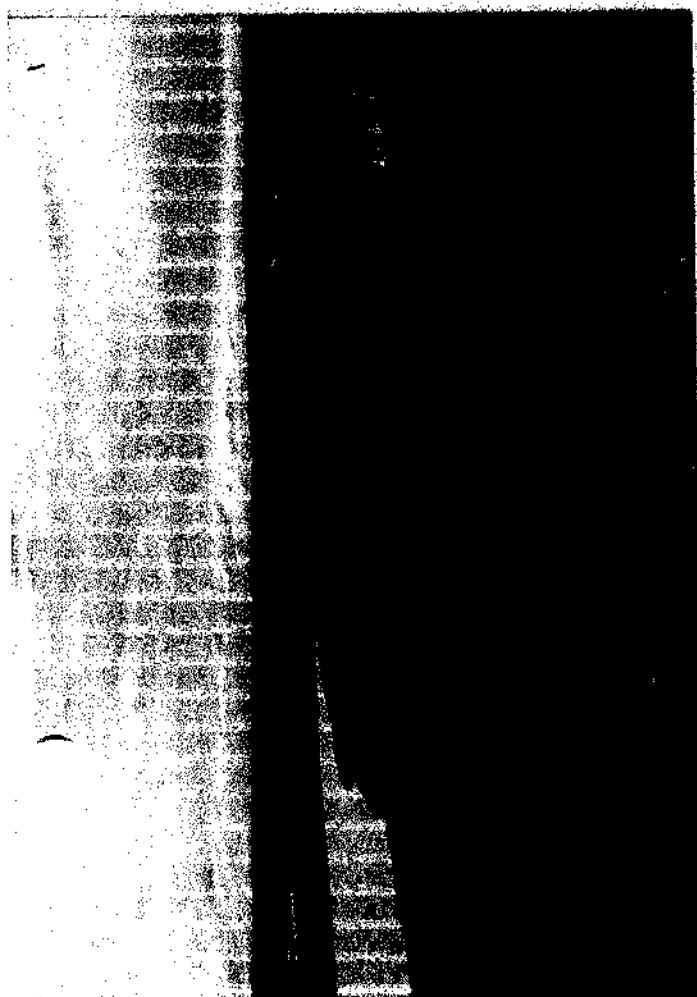
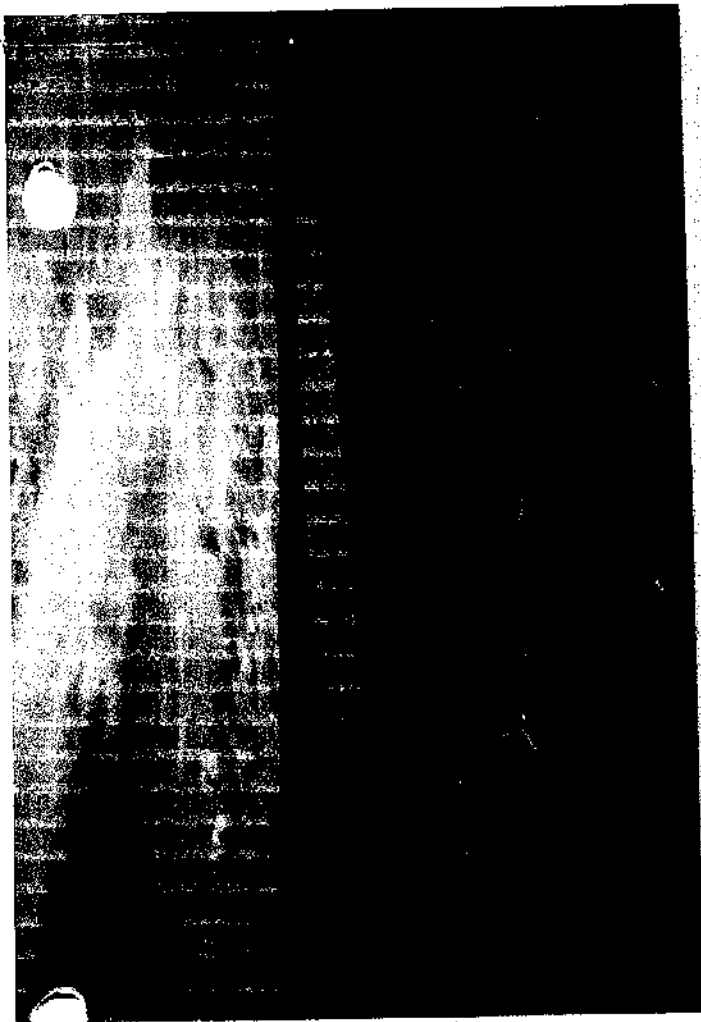
Note 6 There is a waste oil storage area/pit at the waste disposal site. Waste oil is no longer placed here as there is a waste oil furnace now operating privately. The pit is heavily saturated. Mr. Ikoe plans to excavate the area and 'farm' the contaminated soils. This will be done at the waste disposal area.

Note 7 The Hamlet has been busy working on cleaning up an abandoned waste disposal site. If not already done so, the licensee should provide the Nunavut Water Board with detailed plans of their clean-up.

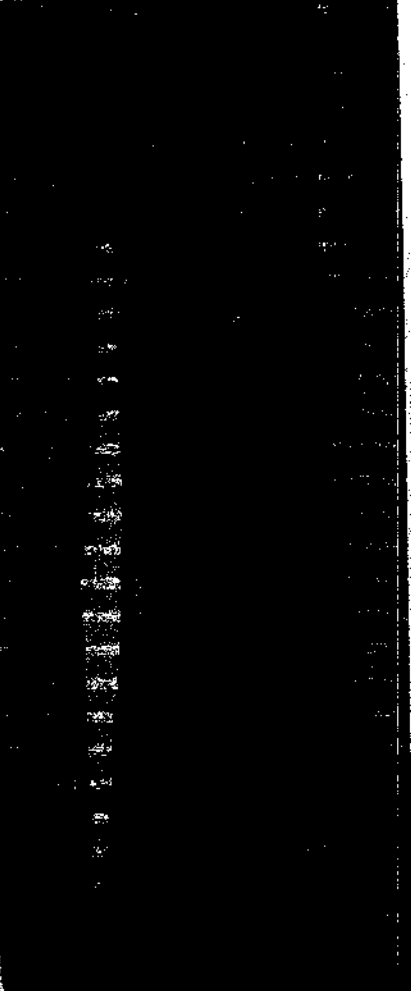
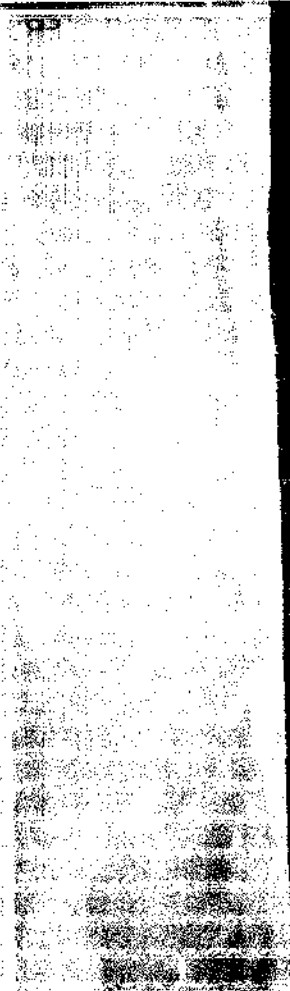
General - The Hamlet has taken over services provided by DPW & S (Water pump house). ~~but~~ Although there are still concerns expressed with the proximity of the pump house to the community (especially at Spring time).

Ram Suiwa

Water Inspector



Baker Lake  
5 August '97



5

