Indian and Northern Affairs | Affaires indiennes et du Nord

Northern Affairs Program
P.O. Box 100
Frobisher Bay, N.W.T.
XOA OHO

October 25, 1982

Mr. Daniel Jaypoody
Secretary Manager
Hamlet of Clyde River, NWT

Your file / Votre reference

Our file / Notre reference B9546-11

4571 -1-9

Inspection Dist but -

Dear Daniel:

Re: Inspection of Hamlet of Clyde River Municipal Water Services August 25, 1982

Attached is a copy of a memo which records the information I obtained during my visit in August.

If there are any questions or suggestions please contact me at 979-6369.

Yours truly

Peter Bannon

Peter Bannon
Water Resources Officer
Baffin District

cc K. Schiller
. N. Bryant

Government of Canada / Gouvernement du Canada

**MEMORANDUM** **NOTE DE SERVICE**

TO / A: File

FROM / DE: Peter Bannon
Water Resources Officer

SECURITY - CLASSIFICATION - DE SÉCURITÉ:

OUR FILE — N/RÉFÉRENCE: B9546-11

YOUR FILE — V/RÉFÉRENCE:

DATE: October 15, 1982

SUBJECT / OBJET: Inspection of Hamlet of Clyde River Municipal Water Services August 25, 1982

On August 25, 1982, I met with Daniel Jaypoody, the Secretary Manager of the Hamlet of Clyde River, and an inspection of the existing water supply and sewage disposal services was carried out. An explanation of the Water Licencing procedures was given as well as our Department's role in that process.

Water Supply

The water supply is a lake fed by a series of lakes and streams and is situated about 1 kilometer from the Hamlet. Water is delivered by truck to the settlement. Mr. Jaypoody stated that the Hamlet were satisfied with the quality of the water. Water samples were collected at the time of the inspection, and the results, which showed an acceptable quality of water is attached.

Sanitary Waste Disposal

The population of Clyde River is about 465 people who reside in approximately 100 houses / buildings. Of these, about 20 houses are on full pumpout service and 80 are on bagged sewage and grey water discharge to the ground adjacent to the houses. The bagged sewage is disposed of in a segregated area of the solid waste dump as is the pumpout sewage. Although the areas are segregated now, past practices have resulted in a hap hazard disposal of metal wastes, combustible wastes and sewage which is still evident. Runoff from the dump is quite apparent from the erosion from the dump to the sea coast about 0.5 kilometers away. It may be possible that this erosion was a past streambed. At the time of the inspection a new dump site had been selected and a new road now being surveyed to the site. The new site is about 0.5 to 1 kilometer inland from the present site. The new site should prove to be much more acceptable than the site now in use.

The disposal of grey water at the units observed appeared satisfactory.

Peter

Peter Bannon

cc. N. Bryant

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

WATER RESOURCES DIVISION -- NORTHWEST TERRITORIES -1-9

REQUEST FOR AND RESULTS OF LABORATORY ANALYSIS

| LICENCEE Clyde River | LICENCE NO. — | LOCATION Clyde River |
|---|---|---|
| DATE SAMPLED 25 Aug 82. | DATE RECEIVED Aug. 30, 82. | DATE ANALYZED Sept 24, [illegible] |

| Sample STATION NUMBER | Clyde-1-1 | Clyde-1-2 | Clyde-1-3 | | | |
|---|---|---|---|---|---|---|
| LABORATORY NUMBER | 21622 | 21623 | 21624 (itg 21623) | | | |
| ANALYSIS REQUIRED | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| pH (units) | ✓ 6.5 | | | | | |
| Sp.Cond. (umho/cm) | ✓ 17 | | | | | |
| Dissolved Oxygen | | | | | | |
| Turbidity (JTU) | ✓ 1.8 | | | | | |
| Colour (colour U.) | | | | | | |
| Suspended Solids | ✓ <5 | | | | | |
| TDS, Residue | ✓ 6.8 | | | | | |
| Oil & Grease | | | | | | |
| Phenols | | | | | | |
| Calcium | ✓ 0.4 | | | | | |
| Magnesium | ✓ 0.6 | | | | | |
| Tot.Hardness [as CaCO3] | ✓ 3.5 | | | | | |
| Tot.Alkalinity [as CaCO3] | ✓ 3.3 | | | | | |
| Sodium | ✓ 1.2 | | | | | |
| Potassium | ✓ 0.4 | | | | | |
| Tot.Coliform [cnt/100 ml] | | | | | | |
| Faecal Coli. [cnt/100 ml] | | | | | | |
| Faecal Strep [cnt/ml] | | | | | | |
| BOD5 | | | | | | |
| COD | | | | | | |
| Carbon, IC | | | | | | |
| Carbon, TOC | | | | | | |
| Total Cyanide | | | | | | |
| Chloride | ✓ 2.4 | | | | | |
| Sulphate | ✓ <1.0 | | | | | |
| Sulphide | | | | | | |
| Ammonia-nitrogen [as N] | | | | | | |
| Nitrate-Nitrite [as N] | ✓ <0.04 | | | | | |
| Total Kjeldahl N [as N] | | | | | | |
| Ortho-phosphate O-P [as P] | | | | | | |
| Phosphorus Tot [as P] | | | | | | |
| Silica Reac.as SiO2 | | | | | | |
| Aluminum T | ✓ <0.001 | | | | | |
| Arsenic D | | ✓ <0.0001 | | | | |
| Barium T | | ✓ <0.001 | | | | |
| Boron T | | ✓ 0.049 | | | | |
| Cadmium T | | ✓ <0.002 | | | | |
| Mercury T (ug/l) / E (ug/l) | | ✓ <0.01 | | | | |
| Nickel T | | | | | | |
| Zinc T | | ✓ 0.01 | | | | |
| Chromium T | | ✓ <0.001 | | | | |

All results are expressed in mg/l except as indicated in brackets ( ).
O-P = ortho phosphate; TDS = total dissolved solids and is the filterable residue, dried at 105C; T = Total; E = Extractable; D = Dissolved;
IC = Inorganic carbon; TOC = total organic carbon.