



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

August 4, 1997

B9545-5-C97

Mr. Johnathan Palluq
Senior Administrative Officer
Hamlet of Clyde River
Clyde River, NT
XOA OEO

Dear Mr. Palluq;

Water Management Inspection - July 18, 1997

1. Attached is a copy of the inspection report prepared as a result of the inspection done on July 18, 1997.
2. First, I must thank you for your time and effort made available to work on the water licence application and the assistance that was provided during the inspection.
3. There are really only two concerns that must be addressed. These relate to the waste oil accumulation at the dump and the seepage problems at the lagoon.
4. By copy of this letter I am informing the Department of Resources, Wildlife and Economic Development of the waste oil concerns and the Department of Municipal and Community Affairs of the sewage lagoon problems and to the fact that you may be requesting assistance in order to complete the water licence application.
5. I will send the results of the water samples after I have had the opportunity to review the results.

Sincerely,

Paul Smith
Water Resources Officer
Nunavut District

- cc. - Nunavut Water Board, Gjoa Haven
- Water Resources Division, DIAND, YK
- Rob Eno, RWED, Iqaluit
- Rick Armstrong, MACA, Iqaluit
- Nicole Ritchie, Public Health, Iqaluit

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MUNICIPAL WATER USE INSPECTION FORM

E: July 18/97 COMPANY REP.: Jerry Natanine / Johnathan Ballou
LICENSEE: Hamlet of Clyde River LICENCE #: Unlicensed

WATER SUPPLY

Source (s): Water Lake Quantity Used (to date): ~ 11,500 m³/year
Owner/Operator: GNWT / Hamlet (estimate or actual)

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

Intake Facilities: N/A Storage Structure N/A Treatment Systems A Chem. Storage N/A

Flow Meas. Device A Convey. Lines N/A Pumping Stations N/A

Comments: At present there is no truckfill station. One is being built this summer.

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) At least primary Note 1
Natural Water body _____ Continuous Discharge (land or water) _____
Seasonal Discharge 2 km to ocean Wetlands Treatment Some Trench _____

Solid Waste: Owner/Operator: GNWT / Hamlet
Landfill _____ Burn & Landfill ✓ Other _____

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

Disch. Quality N/A Decant Structure A Erosion N/A
Disch. Meas. Dev. N/A Dyke Inspection A Seepages N/A Note 1
Dams, Dykes N/A Freeboard A Spills N/A Note 2
Construcion N/A O & M Plan N/A A & R Plan N/A

Periods of Discharge: Summer Effluent Discharge Rate: Varies - by valve.

Comments: _____

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: ✓

SURVEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) Reservoir
(DIAND) Raw water

Signs Posted: SNP N/A Warning Nil

Record & Reporting Hamlet keeps detailed records of water delivery.

Geotechnical Inspection: _____

Non-Compliance of Act or Licence: Hamlet is unlicensed, but considerable effort was made by the Hamlet to complete a water licence application. Hamlet will require additional assistance from MACA to complete this application.

Page 2 attached Yes ✓ No _____

SAO
Licensee Representatives Title
Not Available
Licensee Representatives Signature

Paul Smith
Inspectors Name
Paul Smith
Inspectors Signature



WATER USE INSPECTION REPORT (continued)

Date: July 18, 1997

Licence #: Unlicensed

General Comments: (Continued)

Note 1. The lagoon was designed as a 365-day retention system. In June, the level of the lagoon was reduced by siphoning in order to provide additional volume for the summer months.

Of more serious concern are the numerous areas of seepage along the south end of the lagoon. At least 6 separate seepage areas were noted. As the lagoon is not designed to operate in this manner, this poses structural stability problems for this facility. In conversation w/ Rich Armstrong (MACA, Igahuit) he noted that funds have been identified to reinforce this portion of the lagoon by adding additional material. The use of bentonite to seal the berms was also discussed.

Note 2. Approximately 3 weeks ago some vandals, in an attempt to rupture a cylinder of compressed gas at the dump, set a large fire using waste oil and a fire. The fire department responded and put out the fire. The area is heavily stained and several ruptured drums of waste oil sit open and exposed to the environment. As the Hamlet does not have spare drums into which this oil could be transferred, further pollution is just a matter of time.

Pam Simon

Water Inspector

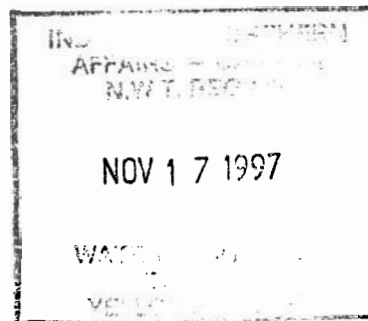
Clyde River - July 18, 1997

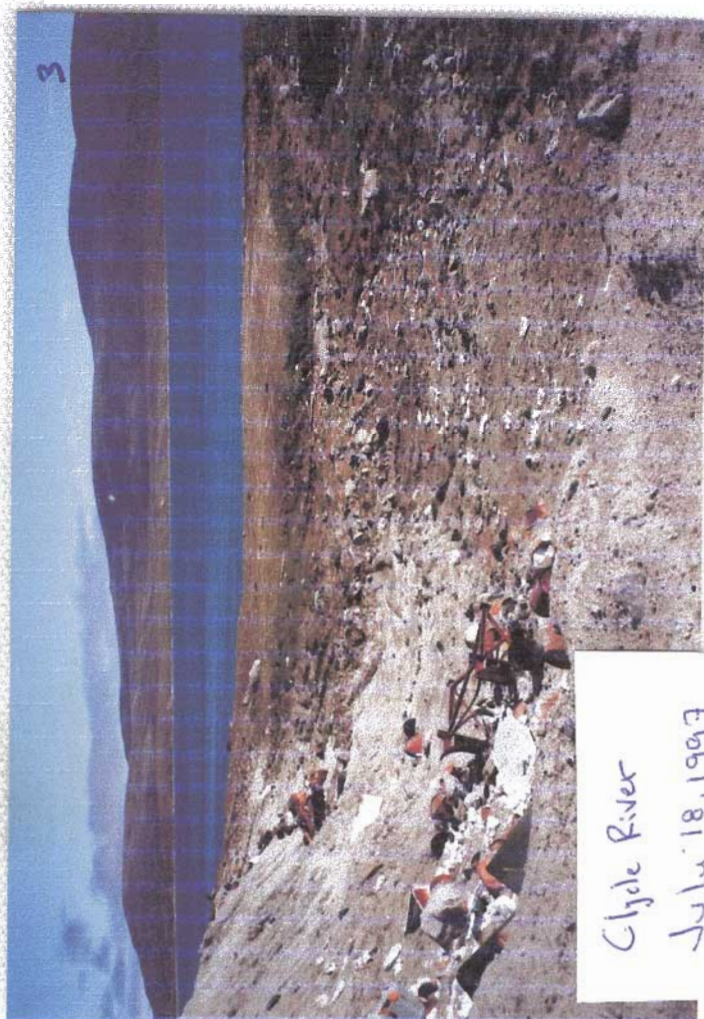
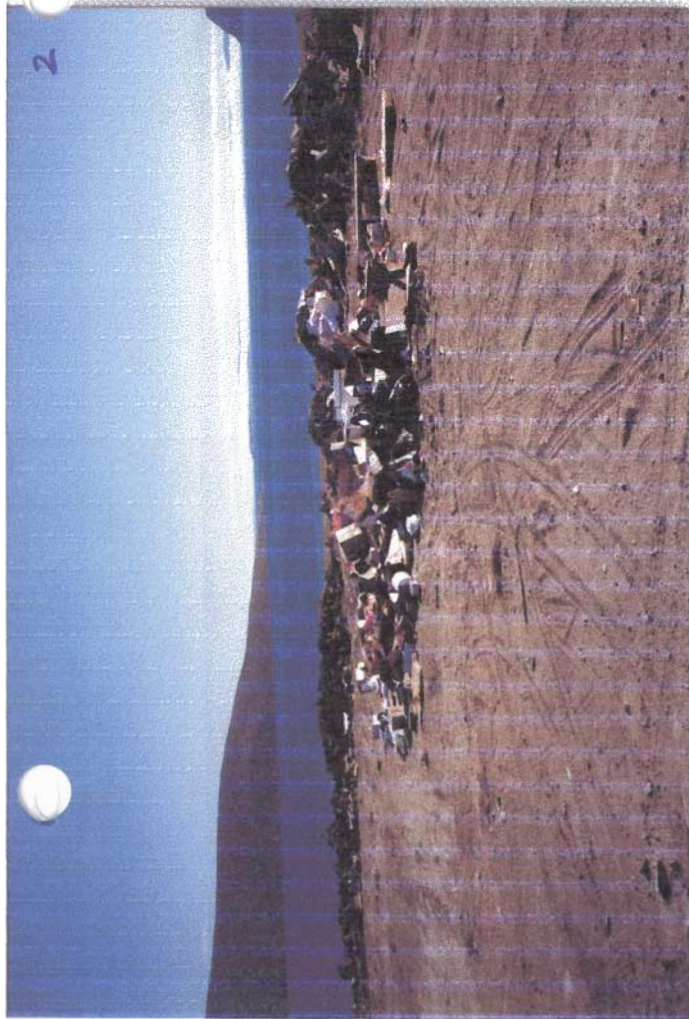
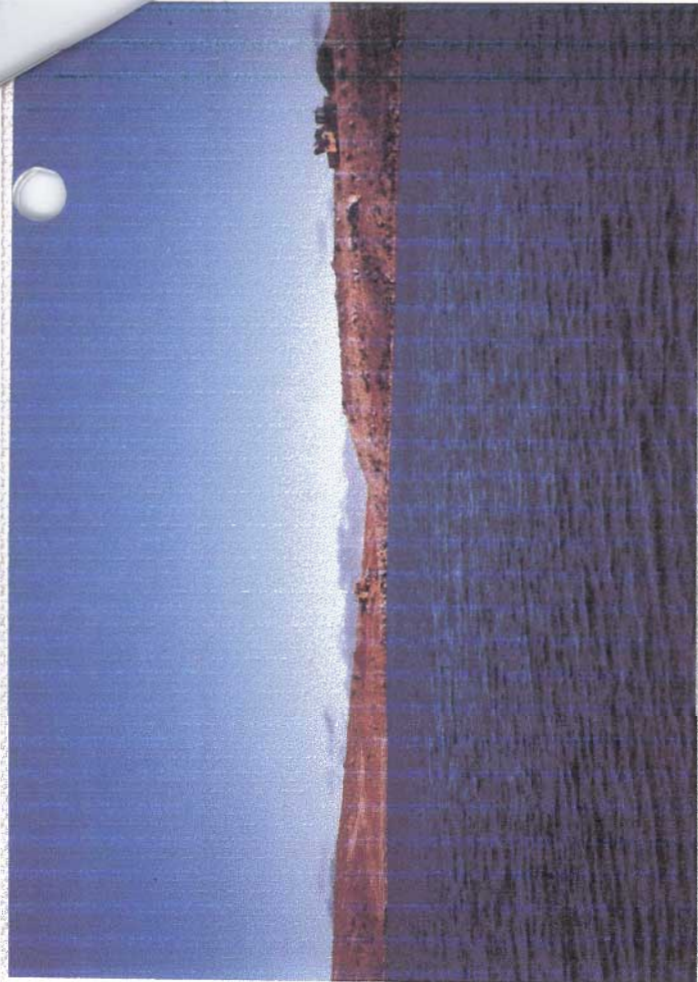
1. Water Lake. Construction in background is for truckfill station.
2. Present waste disposal site.
- 3-4. Abandoned waste disposal site.
- 5-6. 2 views of the new sewage lagoon.
- 7-8. Sewage discharge point. Arrows denote areas where there is berm permeability.
9. Waste oil storage area after vandals set it ablaze.

*Clyde River
Unlicensed Comm.*

NWB

GNWT/MACA





Clyde River
July 18, 1997



