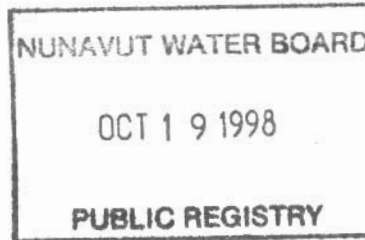


DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

October 7, 1998

Mr. Louis Primeau
Senior Administrative Officer
Hamlet of Coral Harbour
Coral Harbour, NT
XOC OCO

Our file Notre référence
B9545-5-C21

Dear Mr. Primeau,

Water Management Inspection - Coral Harbour
September 17, 1998

1. Please find attached a copy of the inspection report prepared as a result of the water management inspection carried out on September 17, 1998.
2. The one outstanding issue that the Hamlet must address is obtaining a water licence. I left an application form with you. As discussed, if you have not already done so, please complete and return the form to the Nunavut Water Board. The Board will also require a supplementary questionnaire to be completed.
3. Thank you also for your assistance in allowing me to view the Kerchoffer River bridge construction site.
4. If you have any questions with the inspection report, or require assistance in completing the application or supplemental questionnaire, please do not hesitate to contact me at the above address or by phone at (867) 979-4405.

Sincerely,

A handwritten signature in dark ink, appearing to read "Paul Smith".

Paul Smith
Water Resources Officer
Nunavut District
smithp@inac.gc.ca

- cc.
- Nunavut Water Board, Gjoa Haven
 - DIAND Water Resources, YK
 - Don Forsyth, MACA, Rankin Inlet
 - Robert Eno, RWED, Iqaluit.
 - Bill Rideout, EHO, Public Health, Rankin Inlet



MUNICIPAL WATER USE INSPECTION FORM

DATE: Sept. 17, 1998 COMPANY REP.: Louis Primeau, SAO
LICENSEE: Hamlet of Coral Harbour LICENCE #: Unlicensed

WATER SUPPLY

Source (s): Reservoir / Post River Quantity Used (to date): 25,000 m³ / year
Owner/Operator: GNWT / Hamlet (estimate or actual)

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

Intake Facilities: A Storage Structure See note 1 Treatment Systems A Chem. Storage A
Flow Meas. Device A Convey. Lines A Pumping Stations A
Comments: See following page for expansion plans

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) tertiary (naturally)
Natural Water body _____ Continuous Discharge (land or water) _____
Seasonal Discharge ✓ Wetlands Treatment ✓ Trench _____
Solid Waste: Owner/Operator: GNWT / Hamlet
Landfill _____ Burn & Landfill ✓ Other _____

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

Disch. Quality ✓ Decant Structure N/A Erosion N/A
Disch. Meas. Dev. N/A Dyke Inspection N/A Seepages N/A
Dams, Dykes N/A Freeboard N/A Spills See note 3
Construction See note 2 O & M Plan Nil A & R Plan Nil
Periods of Discharge: Seasonal Effluent Discharge Rate: unknown
Comments: See following page

SOLID WASTE 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) N/A
(DIAND) N/A
Signs Posted: SNP Not required Warning Required
Record & Reporting Nil

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Hamlet is unlicensed. Discussions were held with the SAO and who stated that the application would be made

Page 2 attached Yes ✓ No _____
Licensee Representatives Title AO Inspectors Name PAUL SMITH
Licensee Representatives Signature Not available Inspectors Signature Paul Smith

Inspection Report

Hamlet of Coral Harbour

September 17, 1998

Page 2

Note 1

The current water reservoir has a (under ice) capacity of about 26,000m³. The pumphouse has 2 intake lines. Starting next year a new cell will be blasted. This cell will have a capacity of 16,000m³ (and will meet the needs of the community for another 9 years). The new cell will be separate from the primary cell during construction. After completion a connecting hole between the two cells will be made and 1 of the intake lines will be extended into the new cell. In addition a shallow depression will be made in both cells such that the intake lines can access all water in the reservoir. Right now, a significant amount of water is not available in the primary reservoir because the line must be a certain distance off the bottom.

Note 2

The current sewage wetlands treatment area appears to give excellent treatment during the summer months. However, there are concerns in the community that during the spring freshette there is untreated sewage that is carried with runoff water. The drainage/treatment path of the sewage is towards town.

Don Forsyth (MACA Regional Planning Engineer, Rankin Inlet) was able to accompany myself and Mr. Primeau on the inspection tour. Mr. Primeau strongly expressed the communities desire to relocate or divert the sewage flow away from town. MACA is reluctant to spend money on a problem that they feel is incorrectly perceived in the community as all studies that have been done (MACA commissioned Bob Valteau of Arctic Environmental Services to produce a report entitled Coral Harbour Wetlands Study) show that the current system is very efficient.

There are a series of ridges that would prevent the easy diversion of flow as the amount of dyking required would be extensive. An alternative identified would be to relocate the sewage discharge point by about 500m which would mean that sewage would flow through a different series of streams, ponds and lakes prior to entering the ocean. A new access road would be required.

Note 3

A local contractor, Sudliq Developments Ltd., has a large stockpile of drums of waste oil. The drums are stored on a slight raise (with steep sides) that is adjacent to a small pond. There is staining all through out the area and some drums have rolled off the raised area.

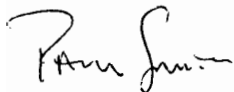
There are several dozen drums here that pose an ever increasing risk of continued contamination of the soil and surface water in the area. There is no waste oil furnace in town. As it is within municipal boundaries, Robert Eno, Environmental Protection Officer, RWED Iqaluit was advised.

General Comments

Discussions were held with Mr. Primeau regarding the necessity and legal requirements for a water licence. An application form was left with Mr. Primeau with the instructions to complete and return it to the Nunavut Water Board with a cover letter requesting that the supplemental questionnaire be forwarded to the Hamlet for completion. Mr. Primeau also wanted to have the portion that MACA can answer returned to the Hamlet prior to submission to the Board.

There were plans to cap the dump this fall and develop a tipping face. Mr. Primeau also said that a couple of people were to be hired to pick up wind blown debris in the area.

End



Paul Smith
Water Resources Officer
Nunavut District