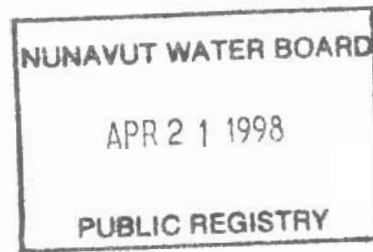




DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

April 9, 1998

Mr. Robert Janes
Senior Administrative Officer
Hamlet of Rankin Inlet
Rankin Inlet, NT
XOC OGO



Your No. Votre référence

..... Votre référence

B9545-5-N6L3-0779

Dear Mr. Janes,

Water Licence Inspection - March 24, 1998
Water Licence N6L3-0779

Ref: 1996 Compliance Report dated January 14, 1998.

1. Please find enclosed a copy of the inspection report prepared as a result of the water licence inspection of March 24, 1998.
2. The submission of the 1997 Annual Report is acknowledged and appreciated. This report will be forwarded to the Nunavut Water Board.
3. There remain a number of outstanding commitments that the Hamlet must yet fulfill, and I refer you to the 1996 Compliance Report which details the areas of non-compliance.
4. From our discussions, and those with Dennis Althouse, GNWT-DPW, some of the issues identified in the 1996 Compliance Report are being addressed.
5. By copy of this letter, the GNWT-DPW is expected to report any manual or automatic by-passes of the sewage treatment system which result in untreated sewage being discharged to be reported to the NWT Spill Line (867)-920-8130.

.../2

6. If you have any questions with respect to this report, please do not hesitate to contact me at the above address or by phone @ (867)-979-4405.

Sincerely,



Paul Smith
Water Resources Officer
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven
- DIAND Water Resources, YK
- RMO, DIAND, Rankin Inlet
- Dennis Althouse, GNWT-DPW, Rankin Inlet
- Don Forsyth, MACA, Rankin Inlet
- EHO, Public Health, Rankin Inlet

MUNICIPAL WATER USE INSPECTION FORM

DATE: March 24, 1998 COMPANY REP.: Dennis Althouse (GNWT-DPW)
LICENSEE: Hamlet of Rankin Inlet LICENCE #: N6L3-0779

WATER SUPPLY

Source (s): Nipissah Lake Quantity Used (to date): ~1,000 m³/day
Owner/Operator: GNWT-DPW (estimate or actual)

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

Intake Facilities: A Storage Structure: A Treatment Systems: Note 1 Chem. Storage: A
Flow Meas. Device: Note 2 Convey. Lines: A Pumping Stations: A

Comments: See following pages

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary): Primary - Screening
Natural Water body: _____ Continuous Discharge (land or water): to Ocean
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: Note 3 Decant Structure: N/A Erosion: N/A
Disch. Meas. Dev.: A Dyke Inspection: N/A Seepages: N/A
Dams, Dykes: N/A Freeboard: N/A Spills: Note 5
Construction: N/A O & M Plan: U-note 4 A & R Plan: N/A
Periods of Discharge: _____ Effluent Discharge Rate: ~1,000 m³/day

Comments: See following pages

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) Nil
(DIAND) Nil
Signs Posted: SNP Required - note 6 Warning Required
Record & Reporting Note 67

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Various relating to the provision of O&M plans See page 2

Page 2 attached Yes ☒ No ☐

Licensee Representatives Title

Not Available

Licensee Representatives Signature

Inspectors Name

Russ Smith

Inspectors Signature

Note 1 - Treatment Systems. There was a chlorine leak from a cyclinder, but there is a proper detection/venting system in place. Defective parts have been replaced and system is working without complications at this time.

Note 2 - Flow Measuring Device. Work continues to replace older meters at the pumphouse so that there is commonality for all meters being used.

Note 3 - Discharge Quality. Dennis Althouse had a sample analysed the previous week and all parameters were within licence limits. It seems to depend on the amount of water being used by residents and the resulting dilution factor. The GNWT has ordered replacement screen for the screening unit (1,000 um/1mm) as the unit is not capable of processing all sewage otherwise. At least now the sewage does not back up into the plant. Any time that the unit automatically by-passes the treatment system must be reported as a spill. See Note 5.

Note 4 - Operations and Maintenance Plan. The Licensee has admitted that they do not possess the technical ability to produce this plan internally. They are planning on contracting this work out and that this would be done so in the coming months.

Note 5 - As noted above, any untreated sewage that by-passes the treatment facility because of capacity shortcomings must be reported to the NWT Spill Line. As the GNWT-DPW is the owner/operator of this system, and the GNWT is a signatory to the Spill Line, it is incumbent on them to report all such incidents.

Note 6 - SNP station signs are on order and should be erected this summer. Warning signs are also still required.

Note 7 - The Licensee was endeavoring to submit the 1997 Annual report within the time limits imposed by the Licence, and in fact it has been submitted to this office. This report has been forwarded to the Nunavut Water Board.

Non-Compliance Issues. The Licensee has yet to submit an O+M Plan and a plan for the disposal of sewage materials. The Licensee has improved/expanded the disposal facilities for screened sewage waste at the dumpsite, but has yet to have the site approved by the Board. The Licensee must also conduct sampling below the dumpsite. They failed to do so last year and are required to this coming summer. Bottles and preservatives will be provided if requested.

General Comments: Greater effort has been made by the Hamlet to more efficiently operate the dumpsite. It is burned and pushed more regularly.