



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

July 3, 1998

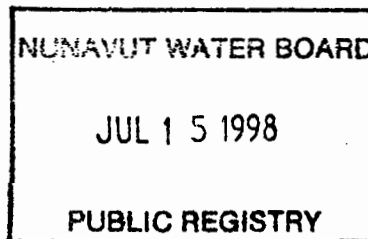
Mr. Paul Sammurtok
Senior Administrative Officer
Hamlet of Chesterfield Inlet
Chesterfield Inlet, NT
XOC OBO

Your file Votre référence

Our file Notre référence

B9545-5-N6L4-1538

COPY



Dear Mr. Sammurtok;

Re: **Water Licence Inspection - June 22, 1998**
 Water Licence N6L4-1538

1. Attached for your information is a copy of the inspection report prepared as a result of the water licence inspection carried out on June 10, 1998.
2. As you will note, there are a number of outstanding issues, particularly with respect to plans and studies that are still required. I can only suggest that MACA can assist you in determining how to address the various issues related to plans and studies that are required.
3. I delivered the "MACA" portion of the supplemental questionnaire to Don Forsyth and asked that he complete it on your behalf and return it to you with a site map that shows all municipal infrastructure aspects. The 'Public Health' portion was brought to the office of the Environmental Health Officer. Mr. Rideout was out of town at that time.
4. In order for the Hamlet to meet the water sampling requirements, you will have to set up a contract with a laboratory. We spoke about using the Taiga lab in Yellowknife and that they would provide all the necessary equipment. Here is the address:

Taiga Environmental Lab
4601-52nd Ave.
Yellowknife, NT
(867)-920-2788 phone
(867)-873-2718 fax

Attn: Bill Coedy

5. Also discussed, time permitting, I will return to Chesterfield later in the summer (mid-August) in order to assist with sampling.

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6. If you have any questions with respect to the inspection report, 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". The signature is fluid and cursive, with the first name "Paul" and last name "Smith" clearly distinguishable.

Paul Smith
Water Resources Officer
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven
 - DIAND Water Resources, YK
 - RMO, DIAND, Rankin
 - Don Forsyth, MACA, Rankin
 - Bill Rideout, Public Health, Rankin
 - Anne Wilson, Environment Canada, YK

Inspection Report

Hamlet of Chesterfield Inlet

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Water Licence N6L4-1538

June 10, 1998

Note 1: Ownership issue - GNWT or Hamlet for waste and water supply?

Note 2: O+M Plan. An outstanding requirement. The Hamlet does not have the capability to produce this plan on their own and will have to access an outside source. As noted in last year's inspection, MACA is a source on information/assistance that the Hamlet can contact. In addition, the Nunavut Water Board has produced guidelines for O+M plans which outline all areas that should be considered.

Note 3: A+R Plan. Still an outstanding requirement that has yet to be addressed (see below). Last fall the Hamlet placed a granular cap on the old scrap metal and solid waste disposal sites. This work was done without the benefit of an approved A+R plan and was funded by MACA. The old solid waste disposal site is adjacent to and shares the same drainage path as the current sewage disposal/treatment site. For all future A+R work, a work plan must be submitted prior to the work being conducted.

Note 4: The Hamlet has also committed to collecting SNP samples per licence requirements. To arrange a contract with the laboratory, contact Bill Coedy, Taiga Environmental Labs in Yellowknife. The phone number is 867-669-2788. Fax number is 867-669-2718. The lab will provide all the necessary equipment (cooler, bottles and preservatives).

General Comments:

Sewage treatment system (wetlands) is very efficient. Has appropriate warning and SNP station signs. No concerns.

Non-compliance of Act or Licence:

Part B, Item 1. The 1997 Annual Report has yet to be submitted.

Part D, Items 2 and 4. Requires the sewage disposal area to be upgraded (to a lagoon). As this was not the approach taken (and rightly so, as the current system is more than adequate), these clauses should be revoked.

Part D, Item 5. Requires that the solid waste disposal area be upgraded. This has already been done. Site plans were produced, but the nature of the site is such that engineered plans were not required in order to do the work, no 'stamped' drawings were produced.

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- Part D, Item 9. Requires that a study be prepared on abandoned waste disposal sites that assesses risk to public health and the environment; and the measures required to reduce assessed risk to an acceptable level.
- Part D, Item 10 Requires that an abandonment and restoration plan be prepared and submitted to the Board prior to abandoning any waste disposal facility. As noted above, the Hamlet has already capped the old scrap metal and solid waste disposal sites. This is contrary to the licence.
- Part E, Item 4 When the Hamlet changed the location of the disposal site, it was to be done with the approval of the Board and included the requirement to include additional information. This was not done, and is contrary to the licence.
- Part F, Item 1 The Hamlet has yet to submit an operation and maintenance plan for their waste disposal facilities.

Paul Smith
Water Resources Officer
Nunavut District

MUNICIPAL WATER USE INSPECTION FORM

DATE: June 10, 1998 COMPANY REP.: Paul Sammutok, SAO
LICENSEE: Hamlet of Chesterfield Inlet LICENSE #: N624-1538

WATER SUPPLY

Source (s): Reservoir / First Lake Quantity Used (to date): ~10,000 m³/year
Owner/Operator: DPW / Hamlet (estimate or actual)

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

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

Comments: No concerns. Sufficient capacity @ reservoir. Will rehab in the fall. Reservoir is fenced and has appropriate warning + SNP station signs.

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Secondary +
Natural Water body Continuous Discharge (land or water)
Seasonal Discharge Wetlands Treatment Trench

Solid Waste: Owner/Operator:
Landfill Burn & Landfill Other

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

Disch. Quality A 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 N/A
Construction Note + N/A O & M Plan Note 2 A & R Plan Note 3

Periods of Discharge: Spring-fall Effluent Discharge Rate: unknown

Comments: See page 2

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) Note 4
(DIAND) Nil

Signs Posted: SNP Warning

Record & Reporting 1997 Annual Report not submitted

Geotechnical Inspection: N/A

Non-Compliance of Act or Licence: Several Outstanding issues. See page 2

Page 2 attached Yes No

Licensee Representatives Title

Not Available

Licensee Representatives Signature

Inspectors Name

Paul Smith

Inspectors Signature