



DIAND Nunavut District
Box 100
Iqaluit, NT
XOA OHO

Your file Votre référence

Our file Notre référence

October 17, 1996

B9545-5-N4L3-0087

Ms. Sara Brown
Senior Administrative Officer
Town of Iqaluit
Box 460
Iqaluit, NT
XOA OHO



Dear Ms. Brown;

Water Licence Inspection Report - October 7, 1996 Inspection

Reference: DIAND letters to the Town of Iqaluit dated May 30 and July 25, 1996.

1. Please find attached a copy of the inspection report prepared as a result of the water licence inspection carried out on October 7, 1996.
2. The majority of unaddressed concerns relate to the lack of provision of requested information. To date, these above noted letters to the Town have gone unanswered.
3. With respect to this inspection report, please note that as-built drawings will be required for the 1.5 m extension to the Lake Geraldine dam (completed) and the treated water reservoir (nearing completion). Part E, Item 3 of the licence requires these drawings to be submitted to the Board within 90 days of completion of the modifications.
4. When approval was granted to Novamann Labs for the provision of laboratory services, deficiencies were noted with ammonia and mercury analytical techniques, and as such no approval was gained for these parameters. As these parameters are required under the SNP, additional work must be done to secure approval for the analytical techniques used.
5. Also note the requirement for abandonment and restoration plans (per Part F, Item 1 of the licence) for any waste disposal facility being abandoned. As this also applies to the sewage disposal system, an A+R plan will be required to be submitted at least 6 months prior to the abandonment of this facility.

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6. Once the results of the water quality samples have been received and reviewed, they will be forwarded to you for your information/action.

7. If you have any questions regarding this inspection report, please do not hesitate to contact this office.

Sincerely,

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

Paul Smith
Water Resources Officer
Nunavut District

cc. - Nunavut Water Board, Gjoa Haven
- MACA, GNWT, Iqaluit (Attn. Rick Armstrong)
- Public Health, BRHB, Iqaluit (Attn. Martin Tonary)
- Water Resources Division, DIAND, YK



WATER USE INSPECTION REPORT

(continued)

Date: October 7, 1996

Licence #: N5L3-0087

General Comments: (Continued)

Note 6:

During the post-inspection meeting, Sara Brown stated that both submissions (spill contingency plan and design plan / implementation schedule; due June 1 and Sept. 1 respectively) were both near completion and would be submitted shortly.

General

Sara Brown will also be replying to letters sent by this office respecting the 1995 Compliance Report and an information update request. The point was made that by not replying, that this would be reflected within the public registry.

Pam Smith

Water Inspector

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MUNICIPAL WATER USE INSPECTION FORM

DATE: October 7, 1996 COMPANY REP.: Rock Burton/Rene Roy
LICENSEE: Town of Igahut LICENCE #: NSL3-0087

WATER SUPPLY

Source (s): Lake Geraldine Quantity Used (to date): 348,200 m³
Owner/Operator: Town of Igahut (estimate or actual) (to Sept 30/96)

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

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

Comments: _____

WASTE DISPOSAL

Sewage Sewage Treatment System (primary, secondary or tertiary) Primary
Natural Water body _____ Continuous Discharge (land or water) to ocean
Seasonal Discharge _____ Wetlands Treatment _____ Trench _____

Solid Waste: Owner/Operator: Town of Igahut
Landfill _____ Burn & Landfill ✓ Other _____

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

Disch. Quality Samples Collected Decant Structure A see note 3 Erosion N/A
Disch. Meas. Dev. N/A Dyke Inspection A Seepages N/A
Dams, Dykes A Freeboard A see note 4 Spills N/A
Construcion See note 5 O & M Plan A A & R Plan N/A
Periods of Discharge: Continuous Effluent Discharge Rate: ~ 5L/sec

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) _____
(DIAND) 0087-1, 0087-2, 0087-5
Signs Posted: SNP See note 5 Warning In place
Record & Reporting Town tracks daily/monthly water production.
See note 6
Geotechnical Inspection: N/A

on-Compliance of Act or Licence: SNP station signs @ 0087-6 & 7 have not yet been placed. Part D, Item 6 requires design details and an implementation plan for the mechanical screening (for sewage) to have been submitted by Sept. 1/96. Likewise, a spill contingency plan was to have been submitted for approval by June 30/96.

Page 2 attached Yes ✓ No _____

SENIOR ADMINISTRATIVE OFFICER
Licensee Representatives Title

[Signature]
Licensee Representatives Signature

PAUL SMITH
Inspectors Name

Paul Smith
Inspectors Signature



WATER USE INSPECTION REPORT

(continued)

Date: October 7, 1996

Licence #: N5L3-0087

General Comments: (Continued)

Note 1: Work is nearing completion on the treated water reservoir. Structure will hold approx. 1 days worth of water. The 1.5m lift to the dam on Lake Geraldine is complete. As-built drawings should be submitted to the NWB.

Note 2: Treatment plant operates at capacity. Construction of the treated water reservoir will, in part, address those concerns related to chlorination retention time.

Note 3: This past summer, the valve on the discharge structure in the present dump site was left in the "open" position and water from within the facility was allowed to drain as required. SNP sampling from this station was only carried out once during the summer as there was so little flow - reportedly, much of the water evaporated during the summer. In the post-inspection meeting w/ Sara Brown, SAO, the inspector requested that the valve be left in the "closed" position. In order that the quality of discharged to be monitored, water will be decanted from the facility when monthly can be sampled.

Note 4: The Licensee was asked to ensure that measurement references be checked to ensure that a minimum of 1m of freeboard can be maintained. This reference will be between the top of the dyke and the concrete structure that sits in the south end (near the dyke) of the lagoon.

Note 5: A new set of SNP station signs have been ordered, but have yet to be received or erected (as it relates to station signs 0087-6 and -7).

PAUL SMITH

Water Inspector