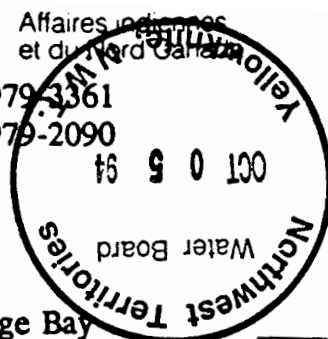


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Indian and Northern
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et du Nord Canada

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Telecopier: (403) 979-2090



Indian and Northern Affairs Canada
P. O. Box 2100
INUVIK, N.W.T.
X0E 0T0

Your file Votre référence

94.09.16

Hamlet of Cambridge Bay
P.O. Box 16
CAMBRIDGE BAY, N.W.T.
X0E 0C0

Attention: Mr. Larry Aknavigak
Mayor

COPY	
BOARD.	7
G.W.	1
E.A.	1
W. RES.	Original
File -	1532-2

INDIAN AND NORTHERN AFFAIRS - CANADA N.W.T. REGION	
OCT 4 1994	
WATER RESOURCES DIVISION YELLOWKNIFE, NT	

1532-2
WB
MACA

Dear Mr. Aknavigak

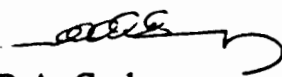
You will find attached a copy of the 1994 Municipal Inspection Report for the Hamlet of Cambridge Bay under Water Licence N4L4-1532. The inspection was conducted by Scott Gallupe, Water Resources Officer, Inuvik, on September 1, 1994.

The Inspector's report indicates there were no major problems noted. However, there appears to be some re-occurring issues. Specifically, the posting and reporting requirements as per the Hamlet's Water Licence N4L4-1532. The Hamlet is required to post their water supply and waste disposal facilities, as well as the Surveillance Network Program (SNP) stations to the satisfaction of the Inspector. The Hamlet is also required to submit an Annual Report before March 1st following the year to be reported. The 1993 Annual Report has not been received. The Inspector has noted that the Hamlet has been negligent in their approach to comply with these terms of their Water Licence. It appears that the person or persons representing the Hamlet, who have been assigned these duties of the Water Licence, are incapable of performing them satisfactorily. Your assistance is requested to rectify this situation for it reflects upon the entire community.

Please address the issues outlined by the Inspector in this report and prevent them from occurring again. The efforts of the Hamlet to comply with the terms and conditions of your Water Licence are acknowledged and appreciated.

The Hamlet's Water Licence expires June 30, 1995. Attached is a Schedule III application to apply for renewal. Please apply at least eight (8) months before expiry date. If you have any questions, please feel free to contact this office.

Yours truly


R.A. Cockney
District Manager

cc: Brian Collins, Municipal Coordinator, INAC, - Yellowknife
Bob Philips, Senior Environmental Health Officer - Cambridge Bay
Doug Crossley, Superintendent Kitikmeot Region, MACA - Cambridge Bay
Gary Maksatak, Acting/Area Supervisor, GNWT/DPW - Cambridge Bay

Canada



MUNICIPAL INSPECTION REPORT
FOR
THE HAMLET OF CAMBRIDGE BAY
WATER LICENCE N4L4-1532

SEPTEMBER 1, 1994

PREPARED BY
SCOTT GALLUPE
WATER RESOURCES OFFICER
INSPECTOR UNDER THE NORTHWEST TERRITORIES WATERS ACT
INDIAN AND NORTHERN AFFAIRS CANADA
INUVIK, N.W.T.

**MUNICIPAL INSPECTION REPORT
HAMLET OF CAMBRIDGE BAY
WATER LICENCE N4L4-1532**

Introduction

This Licence allows for the use of water and disposal of waste at the Hamlet of Cambridge Bay, Northwest Territories. This Licence became effective July 1, 1988 and expires June 30, 1995.

An inspection of the water supply and waste disposal facilities was conducted by Scott Gallupe Water Resources Officer, Inuvik, on September 1, 1994.

Overall, there were no changes in the facilities and method of operation for water supply and waste disposal. The contact people for this inspection were Mr. Larry Aknavigak, Mayor, Mr. Randy Bergen, Senior Administrative Officer, and George Kavanna, Hamlet Foreman.

A. WATER SUPPLY

Water is obtained from Water Supply Lake located 2 km northwest of the Hamlet. Water is transported via underground pipeline from the pumphouse at the lake to the treatment plant in the DPW yard in town. There is a little boiler house beside the pumphouse at Water Supply Lake to supply heat for the pumphouse during winter. The intake is backwashed about once a week. The pumphouse was clean and tidy. The pumphouse was not posted. It was explained to the Hamlet that this is a "Surveillance Network Program" (SNP) station, number 1532-1, and it is a requirement for it to be posted. This requirement has never been complied with and the Hamlet was told again that this is unacceptable.

Department of Public Works (DPW), Government of Northwest Territories (GNWT), maintains and operates the pumphouse and treatment plant. Water is stored in a 50,000 gallon reservoir tank behind the treatment plant. Water is solely distributed by water truck and done by the Hamlet. The meter in the treatment plant records water quantities pumped from Water Supply Lake. The meter is read on a daily basis and records are kept at the DPW office. The Hamlet is suppose to obtain these figures from DPW and report them annually as required by the Hamlet's Water Licence N4L4-1532.

The raw water is chlorinated at the treatment plant by automatic injection using liquid calcium hypochlorite. DPW reads the total residual chlorine content daily. No other treatment was noted. The water treatment plant was neat and tidy.

No problems were noted with the water supply. Raw water samples were taken at SNP station number 1532-1, Water Lake. Results will be forwarded when available.

B. SEWAGE DISPOSAL

The sewage lagoon, also known as Garbage Lake, is approximately 1 km northeast of the community and adjacent to the solid waste disposal site. Sewage pumpout service is done by the Hamlet. All buildings and residences are on sewage pumpout except for one seasonal resident. The Hamlet does not collect any bagged sewage, however, it is still a requirement for the Hamlet to have a posted segregated pit for bagged sewage. There was no bagged sewage pit and no sign for one. The Hamlet was told again that this is in violation of Part A, Item 11 and Part C, Item 2, of their Water Licence.

The pumpout turnaround area has a two halved steel corrugated culverts for a pumpout chute. There was noticeable erosion around the two culverts. It is also noted that these culverts do not extend into the lagoon for optimum mixing. A long pipe or culvert that juts out over the lagoon plus an extended apron at the truck stop is a more effective way to ensure proper mixing and reduce potential health concerns.

There is still a lot of solid garbage in the lagoon. There was no noticeable increase or decrease of amount of garbage in the lagoon from previous inspections. The Hamlet has given this issue to clear their sewage lagoon of this garbage low priority. It was noted again this year that there were also honeybags deposited in the lagoon. The Hamlet was told that this practice is unacceptable and probably has something to do with the fact that there is no posted honeybag pit.

The sewage lagoon was posted.

Sewage quantities are measured by truck load and records are kept at the Hamlet Office. Sewage quantities discharged to Garbage Lake are to be recorded monthly and submitted annually. The Hamlet had not met this requirement at time of inspection for the 1993 calendar year.

Samples were taken at SNP station number 1532-2. Results will be forwarded when available.

C. SOLID WASTE DISPOSAL

Garbage is deposited at the solid waste disposal site adjacent to the sewage lagoon approximately 1 km northeast of the community. The Licensee is disposing of solid waste in a manner as shown in plans entitled Cambridge Bay Sewage and Solid Waste Disposal Sites, Drawing No. 86-8001 dated August 8, 1986. This site is operated and maintained using a cut and fill method of annual trenches. There was nominal wind blown debris even with no fencing.

There was no segregated dead animal pit. Dead animals are mixed in with the domest.

garbage.

There is segregation of bulky metal waste. The site is behind the solid waste disposal area and is accessed from Float Plane road. This site was not posted to the satisfaction of the Inspector.

The solid waste disposal site was also not posted to the satisfaction of the Inspector.

Samples were taken at SNP 1532-2. Results will be forwarded when available.

D. SURVEILLANCE NETWORK PROGRAM (SNP)

Condition Part C, Item 1 of the SNP has not been met to date of this report. This condition requires the Licensee to submit all SNP generated data in the Annual Report. Mr. Randy Bergen, Senior Administrative Officer, who represents the Hamlet, has been reminded three (3) separate times by two (2) different Inspectors to submit this report by March 1st following the year to be reported.

E. RECORDS AND REPORTING

The recording and reporting requirements of Water Licence N4L4-1532 have not been met to date of this report. Mr. Randy Bergen, Senior Administrative Officer, for the Hamlet of Cambridge Bay, was reminded again that the Hamlet's 1993 Annual Report is long overdue. Mr. Bergen has been reminded a total of three (3) times to submit this report. Mr. Bergen was also reminded that by not submitting this report, as per Hamlet's Water Licence conditions, is a violation. Mr. Bergen was also told by the Inspector that giving false information to an Inspector is also an offense under the Northwest Territories Waters Act. Mr. Bergen acknowledged this information and assured the Inspector the 1993 Annual Report would be submitted before September 30, 1994.

The Hamlet has a history of tardy and incomplete reporting practices. Mr. Bergen was told by the Inspector that there is no reason why the Annual Report can not be submitted on time as per Water Licence conditions.

F. POSTING

The solid waste disposal site, bulky metal waste site, water supply and the SNP stations were not posted to the satisfaction of the Inspector.

Part A, Item 10 of the Water Licence states: "The Licence shall, on or before August 1, 1988, post and maintain the necessary signs to identify the stations of the Surveillance Network Program to the satisfaction of the Inspector". The Hamlet has been negligent in meeting the posting requirements.

G. ABANDONMENT AND RESTORATION

The old dumpsite has been abandoned and restored as per final inspection October 1990 by Norman Sencartier, Resource Management Officer III, Inuvik.

No other abandonment or restoration was noted at time of inspection.

H. OTHER CONCERNS


Environment Canada (EC) and the Department of National Defence (DND) conducted an intensive study of the Arctic ecosystem in and around Cambridge Bay. This study was prompted in view of old and current DEW line site and Hamlet waste disposal practices in the study area. The final study report is titled, "Survey of Material Disposed in Cambridge Bay and the State of the Marine Environment", by Environmental Sciences Group Royal Roads Military College. This report was finally received by the Inspector just recently after a year of attempting to acquire it. The report is currently being reviewed. The Hamlet has been given two or three copies of the report.

The Hamlet's Water Licence N4L4-1532 expires June 30, 1995. This was discussed with Mr. Bergen. It was requested that the Hamlet apply at least eight (8) months before expiry to allow for the environmental review process.

I. OFFICIAL ONSITE DISCUSSION

The terms and conditions of the Hamlet's Water Licence N4L4-1532 were discussed with Mr. Aknavigak, Mayor, Mr. Bergen, Senior Administrative Officer, and Mr. Kavanna before, during, and after the inspection.

The Inspector would like to thank Mr. Aknavigak, Mr. Bergen and Mr. Kavanna for their assistance and cooperation.



Scott Gallupe
Water Resources Officer
Inuvik District

SCHEDULE III
(Subsection 6(1)).

APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE

<div style="border: 1px solid black; padding: 2px; float: right; width: fit-content;"> APPLICATION/LICENCE NO: (amendment or renewal only) </div>										
1. NAME AND MAILING ADDRESS OF APPLICANT TELEPHONE: _____ FAX: _____	2. ADDRESS OF HEAD OFFICE IN CANADA IF INCORPORATED TELEPHONE: _____ FAX: _____									
3. LOCATION OF UNDERTAKING (describe and attach a map, indicating watercourses and location of any proposed waste deposits) Latitude _____ Longitude _____										
4. DESCRIPTION OF UNDERTAKING (describe and attach plans)										
5. TYPE OF UNDERTAKING <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">1. Industrial _____</td> <td style="width: 33%;">4. Power _____</td> <td style="width: 33%;">6. Conservation _____</td> </tr> <tr> <td>2. Mining and milling _____</td> <td>5. Agriculture _____</td> <td>7. Recreation _____</td> </tr> <tr> <td>3. Municipal _____</td> <td></td> <td></td> </tr> </table> 8. Miscellaneous (describe) _____		1. Industrial _____	4. Power _____	6. Conservation _____	2. Mining and milling _____	5. Agriculture _____	7. Recreation _____	3. Municipal _____		
1. Industrial _____	4. Power _____	6. Conservation _____								
2. Mining and milling _____	5. Agriculture _____	7. Recreation _____								
3. Municipal _____										
6. WATER USE <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">To obtain water _____</td> <td style="width: 50%;">Flood control _____</td> </tr> <tr> <td>To cross a watercourse _____</td> <td>To divert water _____</td> </tr> <tr> <td>To modify the bed or bank of a watercourse _____</td> <td>To alter the flow of, or store, water _____</td> </tr> </table> Other (describe) _____		To obtain water _____	Flood control _____	To cross a watercourse _____	To divert water _____	To modify the bed or bank of a watercourse _____	To alter the flow of, or store, water _____			
To obtain water _____	Flood control _____									
To cross a watercourse _____	To divert water _____									
To modify the bed or bank of a watercourse _____	To alter the flow of, or store, water _____									
7. QUANTITY OF WATER INVOLVED (litres per second, litres per day or cubic metres per year, including both quantity to be used and quantity to be returned to source)										

SCHEDULE III—Concluded

APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE—Concluded

8. WASTE DEPOSITED (quantity, quality, treatment and disposal)

9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach list if necessary)

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION

11. CONTRACTOR AND SUB-CONTRACTORS (names, addresses and functions)

12. STUDIES UNDERTAKEN TO DATE (attach list if necessary)

13. PROPOSED TIME SCHEDULE

Start date _____ Completion date _____

NAME (Print)

TITLE (Print)

SIGNATURE

DATE

FOR OFFICE USE ONLY

APPLICATION FEE Amount: \$ _____ Receipt No.: _____

WATER USE DEPOSIT Amount: \$ _____ Receipt No.: _____