



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

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Northern Affairs Program
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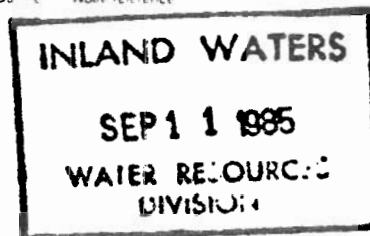
SEP 385-68-58 '85



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

Your file: Votre référence:

Our file: Notre référence:



Attention: Mayor Ohokanoak

Dear Mayor Ohokanoak:

Enclosed please find a copy of an Inspection Report on the water use and waste disposal facilities in your community.

All municipalities in the N.W.T. will eventually be licenced to use water and dispose of wastes as required under the Northern Inland Waters Act. Time constraints limit the licencing process and in the interim, visits to non-licenced communities such as Cambridge Bay take place to update changes in water use and waste disposal facilities. The inspections also identify waste disposal practices which may be contraventions of the Northern Inland Waters Act. Those responsible for such practices are notified so that corrective measures may be implemented.

*Inspection Report
Cambridge Bay
Disturbed*

Several areas of concern were noted by the Inspector. They are as follows:

- 1) Three fuel tanks, which are part of a large tank farm located near the centre of the community, are inadequately bermed and thus would not contain fuel in the event of a spill. The tanks belong to N.C.P.C. and a letter will be sent to them advising that they take action to correct this potentially serious problem.
- 2) Eight additional tanks in the same tank farm, as well as two smaller fuel tanks at the aircraft fueling station, were also improperly bermed. Fred Ross and Associates, identified as the owners of these tanks, will be sent a similar letter.


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Canada

- 3) The problem of contamination of sewage trucks should be corrected by the Hamlet. The use of gravel to build up the access road and pumpout area would probably be an effective and inexpensive solution.

If you have any questions regarding the inspection report, please contact the undersigned.

Yours truly



R.A. Cockney
District Manager



Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

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Northern Affairs Program
P.O. Box 2100
INUVIK, N.W.T.
X0E 0T0

85-08-26

Fred H. Ross & Associates
P.O. Box 92
CAMBRIDGE BAY, N.W.T.
X0E 0C0

re: file Your reference

Our file Your reference

Dear Sir:

Enclosed please find a copy of an inspection report on the water use and waste disposal facilities at Cambridge Bay. This inspection was carried out by Art Dalton, Water Resources Officer, Inuvik. It is the Inspector's duty to report on any practices which could lead to pollution of receiving waters.

In the attached report, the Inspector noted eight bolted and re-welded tanks, identified as belonging to your company, which were inadequately bermed and thus would fail to contain fuel in the event of a spill. In addition two smaller tanks at the aircraft refuelling station were also inadequately bermed. If a spill does occur, and fuel subsequently enters a water body, a charge could be laid under the Northern Inland Waters Act.

An inspection three years ago (July 29, 1982; follow-up letter dated October 5) by Neil Bryant also identified what are presumably the same inadequately bermed tanks belonging to your company. We again ask that you take the necessary steps to ensure that fuel belonging to Fred Ross and Associates does not enter any water body.

If you have any questions regarding the attached report or this letter, please contact the undersigned.

Yours truly

R.A. Cockney
District Manager

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Northern Affairs Program
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85-08-26

Northern Canada Power Commission
P.O. Box 186
YELLOWKNIFE, N.W.T.
X1A 2P4

YOUR FILE Votre référence

OUR FILE Notre référence

Attention: Brian McCluskey
Regional Administrator-Western

Dear Mr. McCluskey:


Enclosed please find a copy of an inspection report on the water use and waste disposal facilities at Cambridge Bay. This inspection was carried out by Art Dalton, Water Resources Officer, Inuvik. It is the Inspector's duty to report on any practices which could lead to pollution of receiving waters.

In the attached report, the Inspector noted three tanks identified as belonging to N.C.P.C. which were inadequately bermed and thus would fail to contain fuel in the event of a spill. If fuel subsequently entered a water body, a charge could be laid under the Northern Inland Waters Act.

An inspection three years ago (July 29, 1982; follow-up letter dated October 5) by Neil Bryant also identified what are presumably the same inadequately bermed tanks belonging to N.C.P.C. We again ask that you take the necessary steps to ensure that fuel belonging to N.C.P.C. does not enter any water bodies.

If you have any questions regarding the attached report or this letter, please contact the undersigned.

Yours truly


R.A. Cockney
District Manager

Canada

INSPECTION REPORT

ON

THE HAMLET OF CAMBRIDGE BAY, N.W.T.

BY

ART DALTON

INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT

NORTHERN AFFAIRS PROGRAM

INDIAN AND NORTHERN AFFAIRS CANADA

INUVIK, N.W.T.

Date of Inspection: July 29, 1985

INSPECTION REPORT - CAMBRIDGE BAY

Introduction

An inspection was conducted at Cambridge Bay on July 29, 1985 by Art Dalton, Water Resources Officer, Inuvik. The Inspector was accompanied during most of the inspection by George Kavana, Hamlet Foreman. Additional post-inspection points of contact were Allan Wilson, DPW Plumber and Maureen Hill, POL Officer, both from Cambridge Bay.

A. Water Supply

Municipal water is obtained from Water Supply Lake, located approximately two kilometres north of the settlement. A heated pipeline conveys water from a pumphouse at the lake to a central treatment facility in the centre of town. An automatic chlorination system using Perflex bleaching agent supplies 0.5 ppm chlorine. The GNWT Department of Public Works operates the pumphouse and treatment facilities. Treated water is analyzed weekly for total chlorine, and flow metres are used to record water use volumes.

The Water Supply Lake area appeared clean and there were no signs of boating or other activities. The treatment facility was clean and well maintained. A raw water sample was taken by the Inspector from Water Supply Lake near the pumphouse intake. Sample results will be forwarded to the Settlement Office when analysis is completed.

The water supply pipeline froze up in February 1985 and until this was repaired in mid July, water was obtained by tank truck from either Water Supply Lake or Dew Line Lake.

Water distribution is contracted to the Hamlet and delivery is via tank truck to storage tanks in homes, offices, etc.

Many people dislike the taste and scum buildup associated with the treated water and they obtain drinking water from Freshwater Creek northeast of town.

B. Sewage Disposal

Sewage is collected from household sewage holding tanks by pumpout trucks, and is deposited into a small lake at the municipal dump. The Hamlet has the sewage pumpout contract, except for MOT buildings which are handled by a truck owned by Fred Ross and Associates. When dumping their loads, the sewage trucks drive through puddles of sewage near the lake to get to the pumpout location. To prevent this unnecessary contamination, fill could be used to raise the elevation of the access road and pumpout area.

Sewage Lake flows into a series of small ponds before flowing into the ocean. Lush green vegetation is evident in and around the ponds.

C. Solid Waste Disposal

All municipal solid wastes are deposited at the municipal dump about 1.5 kilometres northeast of town. Some levelling of the area had recently been completed and the garbage is burned frequently. No attempt is made to separate different types of garbage. The area appeared reasonably well maintained.

D. Dams and Dykes

No applicable.

E. Posting

There were no signs in place to indicate to the public the water supply lakes or the garbage disposal area.

F. Fuel Storage

Various types of petroleum products are stored in tanks in and around the settlement. A large tank farm containing fourteen (14) tanks is located near the centre of town. The only tanks which appear to be adequately bermed are the three at the north end. The remaining tanks, belonging to NCPC and Fred Ross and Associates are inadequately bermed and are reported to be unlined. Retention of spilled fuel from these tanks would be impossible due to percolation through the coarse gravel berms.

A DEW Line tank farm is located east of the airstrip. Although large dyked containment areas are located adjacent to each of the two large tanks, one of these containment areas would be ineffective because the freshwater drain pipe had been left in the "down" or "drain" position.

Two smaller tanks located next to the aircraft refuel station at the airport were inadequately dyked and unlined.

Additional fuel tanks in and around town were not checked by the Inspector. The large volume of fuel stored in and around the settlement in improperly dyked areas represents a serious pollution hazard.

G. Major Maintenance

No major maintenance work was underway.

H. Surveillance Network Program

Not applicable because the Hamlet does not yet have a Water Licence.

I. Other Areas

No other areas of concern were noted by the Inspector.

J. Records and Record Keeping

A record of the volume of water delivered by tank truck is being kept.

K. Contraventions

No contraventions of the Northern Inland Waters Act were evident, however, a fuel spill from any of the improperly dyked storage tanks would result in a contravention of either the Northern Inland Waters Act or the Arctic Waters Pollution Prevention Act.

L. Official On-Site Discussion

Other than routine questions and answers, no official on-site discussion took place.

M. Summary

Other than the potential for fuel spills from improperly dyked storage areas and the possibility of transport of disease-causing bacteria via contaminated sewage pumpout trucks, no major problems were evident.

The Inspector would like to thank the Hamlet personnel for their cooperation during the inspection.

Art Dalton

Art Dalton
Water Resources Officer