

INSPECTION REPORT

WATER MANAGEMENT

HAMLET OF CAPE DORSET

1 - 2 AUGUST 1992

BY

PAUL SMITH

INSPECTOR UNDER THE NORTHERN INLAND WATERS ACT

NORTHERN AFFAIRS PROGRAM

IQALUIT, NWT

DATE: 17 OCTOBER 1992
WATER REGISTER: N/A - UNLICENCED
COMMUNITY

Northern Affairs Program
P.O. Box 100
Iqaluit, NWT
XOA OHO

December 1, 1992

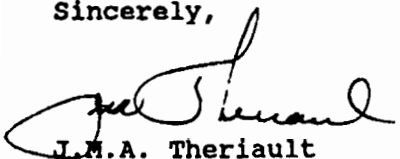
Mr. Chuck Gilhuly
Senior Administrative Officer
Hamlet of Cape Dorset
Cape Dorset, NWT
XOA OCO

Dear Mr. Gilhuly;

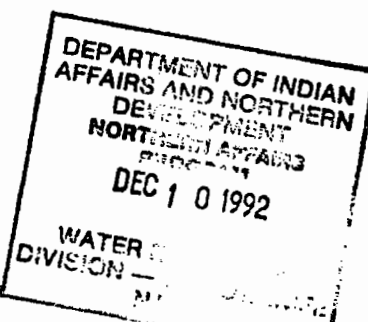
Re: Water Management
Hamlet of Cape Dorset, NWT
Inspection Report - 1 & 2 August, 1992

1. Please find the above noted report by Mr. Paul Smith, Water Resources Officer.
2. The inspection report has identified a number of concerns which you will wish to note - please refer to paragraph 17 of the report.
3. The results of the water samples will be forwarded to you, under separate cover, when received by this office.
4. Further to your identification of concerns related to the slow reaction to your previous requests for support and assistance relevant to your earlier proposals on metal waste programs in your community, you are now aware that efforts are being made to address those concerns. This matter will further be addressed in separate correspondence.
5. Please feel free to contact our District Office if you have any questions or comments on this report.

Sincerely,


J.M.A. Theriault
District Manager
Baffin District

cc: Municipal Co-ordinator
Water Resources
DIAND NAP/NWT Region



Your file Votre référence

Our file Notre référence

B9545-5-C15

Cape Dorset
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INSPECTION REPORT

Water Supply

1. Potable water is piped from Tee Lake to a large storage tank located in a building within town. The water is chlorinated by hand as the water truck takes on water.
2. The heater building and line running from Tee Lake were inspected. The heater building was locked. The line was in good shape, but the insulation was missing at several locations and the pipe, in one location, had a crack from which water sprayed. Around the intake line area at Tee Lake were several pieces of scrap metal, apparently left over from the construction of the water line.
3. A new water storage and truck fill facility is currently under construction. At the time of the inspection, the foundation of the truckfill building was being laid and the siding was being put on the large external insulated water tank. This facility is to be on-line in November. There will be automatic chlorination, with the possibility of automatic fluoridation, if required.

Waste Disposal

4. A new waste disposal site is due to have construction begin next year. The access road was to be built this fall. Mr. Gilhuly stated that reclamation of the present site will commence then.

Sewage

5. Sewage is disposed of within a bermed area. There was little freeboard. A notable concern was that effluent was running from the base of the rip-rap decant area. This concern was noted previously by Pat Fowler, Environmental Health Officer, BRHB, on August 21, 1992. The effluent runs along the base of a natural outcrop, across a road, and down a hill towards the sea where it pools. Flushing of this material is dependant on the tides.
6. This past year, 20 million litres of sewage was produced. The year before that, 17 million.

Bagged Sewage

7. The number of houses that still use bagged sewage systems has decreased from 47 to 18 this past year. The sewage bag disposal pit is completely full and thousands of bags litter the surrounding area. This area must be cleaned up and reclaimed.

Domestic

8. The dump appeared to be well burnt with fair coverage. The abandoned portions need to be better covered.

Waste Metal

9. The Hamlet has taken on an ambitious plan to relocate, sort and ready for shipment the community's scrap metal. The present dumping site is disorganized and growing rapidly. The Hamlet is using the old abandoned waste disposal site as it is very close to the water, and hope to crush and load from this site. It would mean not having to move all of this material through town to the sealift beach that would otherwise be used.

10. Mr. Chuck Gilhuly, SAO, mentioned that the Hamlet has submitted several proposals to AES applying for funding, but as of yet, these proposals remain unaddressed.

Waste Metal

11. There were 10 drums of waste oil present at the waste disposal site. They had been dumped into small depression. The ground was heavily stained. This area must be cleaned up. The drums should also be righted to prevent further leakage.

Fuel Storage

12. The bulk fuel storage facility appeared to be in excellent condition. The sealift intake had been upgraded and it too was in superb condition.

13. The NTPC storage facility appeared to be in good condition, however, about 10cm of water had collected within the steel berm. This water should be drained and not be allowed to accumulate.

Warning Signs

14. Warning signs were present at the heater building and at the entrance to the dump. Warning signs should be placed at the truck fill site and at the sewage outfall location.

Records

15. The Hamlet maintains records of water consumption.

Surveillance Network Program

16. Water quality samples were collected at the following locations:

- Misc-CD-01 - Truck fill station - hose
- Misc-CD-02 - Tee Lake near intake
- Misc-CD-03 - Airstrip or Dead Dog Lake
- Misc-CD-04 - Sewage effluent downstream of old access road
- Misc-CD-06 - Sewage effluent downstream of rip-rap dam

Discussion/Concerns

17. The inspector met with Mr. Chuck Gilhuly, SAO, before and then briefly after the inspection. The following topics were discussed:

- a. that the sewage decant must flow over the rip-rap berm, not through it.
- b. that there was a crack in the water line from Tee Lake.
- c. the Hamlet is requested to clean-up the waste oil spilled and to right the drums present and ensure that further drums placed in that area also be kept upright.
- d. the Hamlet is requested to place warning signs at both the truck fill station and at the sewage outfall area.
- e. Mr. Gilhuly questioned the reasoning why the Hamlet's proposals to clean up the waste metal dump have gone unanswered. No answers could be provided.
- f. that the water trapped within the steel berm of NTPC's storage tank be removed.

18. The inspector would like to thank Mr. Gilhuly for the assistance and co-operation provided while in Cape Dorset.