

SOK

## Municipality of Hall Beach

HALL BEACH, N.W.T. X0A 0K0

PHONE #819-925-8829

TO MIKE FERRIS  
SUPERINTENDENT/EMO  
MACA  
IQALUIT, NWT

July 30, 1990

Pages 1 of 10

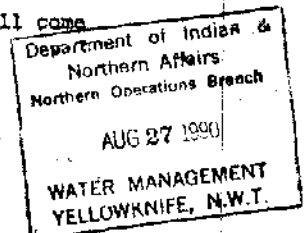


FROM DONNA HOURIHAN  
SAO  
HALL BEACH, NWT

Time: 11:34 am

Please find our proposal for sewage lagoon and garbage dump area.  
I would like to hear your comments as soon as possible on this. I  
will be forwarding a video later this week, counter to counter for  
you and your staff. I will call you as to the date it will come  
to Iqaluit.

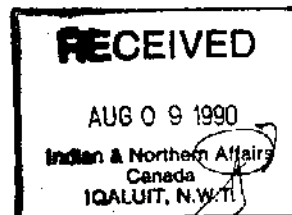
Thank you for your attention here,



Check "guidelines for planning, design & operation" of sewage lagoons.

who  
- This seems to say  
it all!  
- Will you be sending  
copy to Municipal Co. ord  
so that the record is available  
long after you & I are gone?

9 Aug 90



Received from:  
David MacPherson  
Project Engineer  
GNWT- DPW  
Iqaluit, N.W.T.  
Aug 9/90.

previously reviewed  
Aug 2/90. at  
meeting GNWT MACA/DPW

## Municipality of Hall Beach

HALL BEACH, N.W.T. X0A 0K0

PHONE #819-928-8820

July 26, 1990

Mike Ferris  
Superintendent/LMO  
Municipal and Community Affairs  
Iqaluit, NWT  
X0A 0H0

Re: Sewage Lagoon and Garbage Dump

As I mentioned to you during my visit to Iqaluit earlier this month, the sewage lagoon and garbage dump areas have been a major concern for the Council of Hall Beach. In our 5 year Capital Plan this problem was to be dealt with this summer. Unfortunately, we understand that there has been a problem with the position that oversees and plans these projects for MACA. This cannot and should not be an excuse that we can use in dealing with problems of this magnitude. We therefore take the initiative to make recommendations for possible solutions for Hall Beach's lagoon and garbage dump.

The emphasis is on completing this project this summer. David Jessiman, Water Resources Officer, DIAND, is expected to travel to Hall Beach in a few weeks to reassess the garbage and lagoon area. In an inspection report done by Leslee Wilson, CPHI, Sr. Health Officer, dated December 19, 1989, she noted that overflow had been a problem in past winter months and that David Jessiman on a previous visit had recommended that the sewage lagoon and garbage dump be relocated at that time.

Council has passed a motion, #077-90-91, expressing their concern and fears of not dealing with this problem this year. The lagoon is currently at it's capacity, and it is feared that if immediate action is not taken to expand, or relocate that winter months will bring on the spill out of greater amounts of raw sewage thus creating a hazardous health situation for the community.

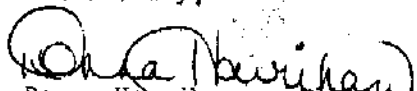
Council requests that MACA representatives review these suggestions as soon as possible, as we would like approval for adequate funding. We would like to begin this project in August to give ample time for completion before winter. Urgency of this project must be portrayed to the Minister for approval and commitment to the completion this summer.

...2

-2-

Thank you for your immediate attention. We await your reply and recommendations. If there are any directives please contact us by fax or phone.

Yours truly,

  
Donna Hourihan  
Sr. Administrative Officer

P.S. A video will follow later this week to give you a better perspective of the proposed areas. We would appreciate your help in assessing the costs.



JUL 30 '90 11

HALL BEACH HO

NG 1A

PAGE 04

# Municipality of Hall Beach

HALL BEACH, N.W.T. X0A 0K0

PHONE #818-828-8820

## MOTION PAPER

Regarding:

N.W.T.

Lagoon & Dump

Moved by:

N.W.T.

Chish

Seconded by:

N.W.T.

Timothy

Motion

N.W.T.

ATL CEE 5-855

ACA SL dase dldf d?n6-L  
Wasa ATL d5L SL  
CCe-L AL 85.5  
SLAL ATL Ad?L d?P?C?d?n?L  
Pa d5L L6d a d?d-L  
d5d d d CLa 6AL?e  
a L? d d d

Against:

N.W.T.

Rejected:

N.W.T.

Carried:

N.W.T.



Motion No:

N.W.T.

079-90-91

Meeting No:

N.W.T.

07-90-91

Date:

N.W.T.

July 23, 1990

Whereas, in Hall Beach, the dump and lagoon are a problem & whereas the lagoon is too full this summer and too close to the dump. Therefore I move that we ask for money from Maca <sup>through</sup> to fix it up. that Council approved this

MEETING HELD JULY 26, 1990HAMLET OF HALL BEACH

Councillors met and drove to dump and sewage lagoon to review the problem. The current state of the area is explained in the following using the symbols located on the photo.

- G the current garbage dump is in need of a good cleaning. Some garbage has to be burned and buried.

Due to the strong winds and flat land here, blowing garbage is constantly a problem. We feel that we may have come up with a viable solution which we have included.

- G<sub>2</sub> This area contains small metal items such as fridges, stoves, skidoos, parts, etc. There is no separation or order to this area which is needed. There is a creek which runs to the ocean beside this G<sub>2</sub> area which is full of garbage. Major cleaning is needed here.

- G<sub>3</sub> This area is for our larger metal items, there has been no separation or organization to this area, thus this must now be done.

- G<sub>4</sub> This area has been used for larger lumber. It currently needs to be straightened up and burnt and buried. (This area is incorporated into our proposal).

- S The current sewage lagoon is at it's maximum limit for summer months. The summer has allowed seepage and evaporation to occur, however with the winter months approaching it is estimated that a few months after freeze up we will see an overflow.

There is no separate honeybay area currently. This is included in our proposal.

MAP LEDGER

- G Current garbage dump site

- G<sub>2</sub> Current garbage dump for small appliances, skidoos, metal

- G<sub>3</sub> Current garbage dump for larger metal, trucks, tanks,

- G<sub>4</sub> Current garbage drop for wood

- S Current sewage lagoon (also used for honeybags)

~~NEW GARAGE~~ Proposed new garbage dump site

- S<sub>2</sub> Proposed new sewage expansion

- S<sub>3</sub> Proposed sewage drop for honeybags

~ Proposed road repairs (Minor)

ROAD 1 ROAD 2  
Proposed retaining walls -garb.

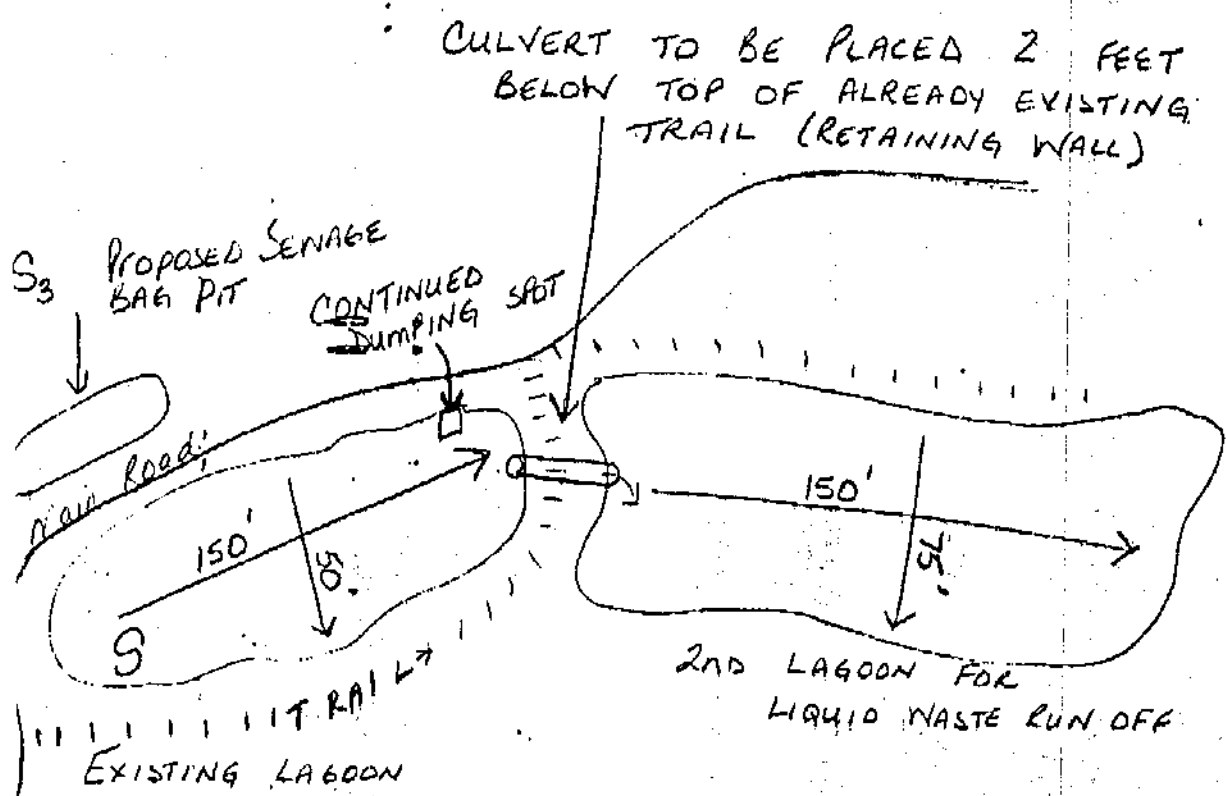
HALL BEACH, NWT  
SEWAGE LAGOON EXPANSION PROPOSAL

The current sewage lagoon is indicated on the map as S. The proposal for expansion would be directly behind (north) of the current lagoon. The expansion would be an appendix which would be linked to the existing lagoon with culverts.

This would allow the raw sewage to settle in the current lagoon and when the liquid waste rises it will flow through the culvert to the second lagoon. The liquid wastes would be contained in a prepared area and run off would no longer occur.

When the solid waste does reach the culverts (this may take many years), the 1st lagoon can be covered over with gravel and closed. The solid wastes at that time could be dumped into the second lagoon and a further area could be prepared in advance with another culvert for draining liquid waste.

As we understand a similar plan is best recommended to contain solids in one area. The diagram below shows the process.



ENVIRONMENTAL HEALTH - LESLEE WILSON OR PAT FOWLER

HALL BEACH, NWTFUNDING FOR SEWAGE LAGOON EXPANSION AND GARBAGE DUMP RELOCATION

We require MACA input for costing of these projects. We will need these approximate hours, however, MACA experience with similar projects will be an asset.

Sewage Lagoon

Work required: Put in culvert crossing existing trail  
Clear new sewage pit  
Build retaining walls around pit

Equipment needed:	Cost
Culvert	
Front end loader	126.00/hr includes driver
gravel truck	75.00/hr " "
grader ?	160.00/hr " "

Hours of work

Action plan

Clear new pit area with front end loader and grader. Area size to be 150' x 75' x 9' deep. apx.

Build retaining walls around pit with gravel taken from pit area and haul remainder from site 1/2 mile away.

Dig culvert support and place culvert(s) between two sewage lagoons apx 2' below top of retaining wall.

Dig a separate honeybag pit for proper burial. 30' x 15' x 5' deep. <sup>min 10'</sup>

proposed

40' x 20' x 10'

Number of Hours on Honey bag's

GARBAGE DUMP PROPOSAL

Relocation of the garbage dump is planned and needed as proper cleaning of the area and a new burial site is in order.

The idea that Council has come up with includes the use of a large metal tank that sits in our metal dump. This tank was used by POL several years ago for fuel.

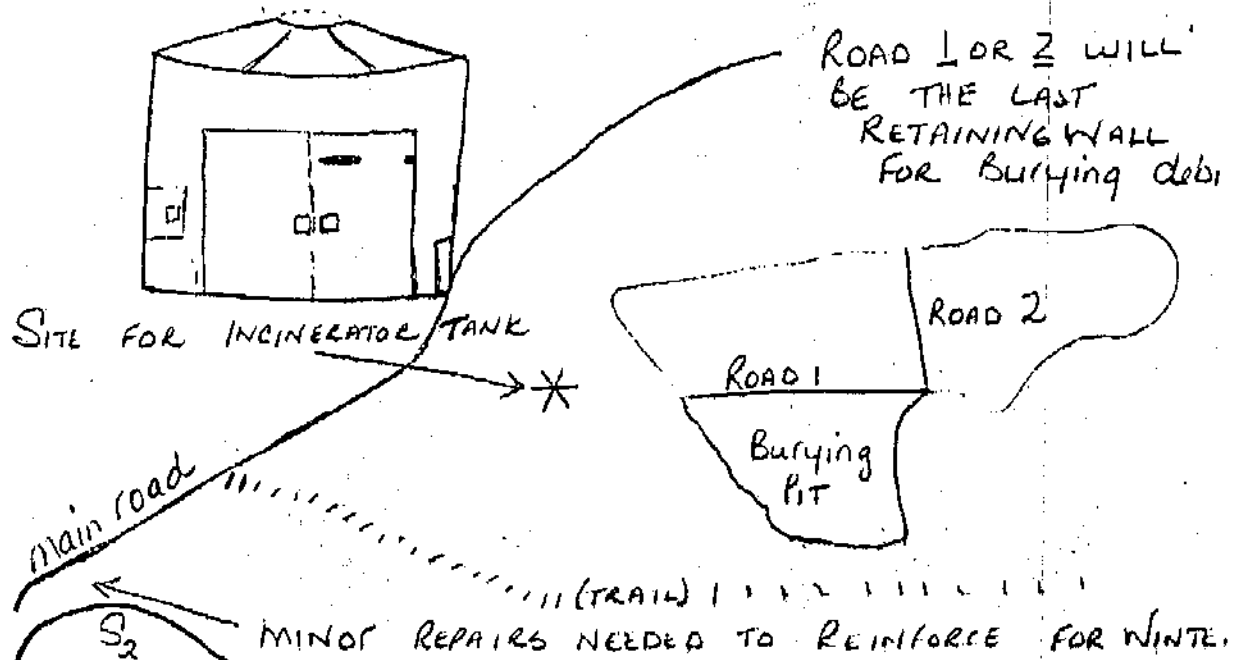
On a discussion with Mr. John Purdy, Government Services, July 27th, 1990, he stated that POL had no interest in the container and that whomever wanted to use them it was up to them to check with possibly DPW as to the viability for new use.

The new site is indicated on the map as G<sub>1</sub>. This area is accessible by road, however, minor repairs for winter months will be needed. The G<sub>1</sub> area is currently used for large pieces of wood and these will be burnt and buried.

The tank will be used as an incinerator. Preparation of the tank would include cutting large doors to facilitate the trucks driving in and unloading garbage and the front end loader clearing out the ashes. Holes will be cut in the top of the tank to allow air flow for proper burning and cooling. A trap door will be cut in the side to allow adding of smaller items. Heat resistant hinges and locks will be used. Preparing the tank in this manner will eliminate the threat of high winds blowing garbage around, snow fall possibly icing up the garbage pile, and will allow for proper burning and a much cleaner burial of the debris.

The area is less than 1 mile to move the tank.

For site preparation of burial, a retaining wall will have to be put up along one side of the pit. Indicated on map as road 1 or road 2.





GARBAGE DUMP FUNDING

\*Work required: Prepare new site  
& action plan Move metal tank to new site  
 Prepare tank for incinerator use.  
 Make retaining wall - shown as road 1 or  
 alternate road 2 on map  
 Clean old garbage area and bury garbage  
 Clean G<sub>2</sub> and creek  
 Clean G<sub>3</sub> separate metal as recommended by Health  
 Officer  
 Make minor repairs to road to new garbage site for  
 winter months travel

*Equipment needed:		Cost
Front end loader		125.00/hr
Grader		150.00/hr
Cutting torch		
Garbage truck		55.00/hr
Dump truck		75.00/hr
Heat resistant Hinges		
Reinforcement plates for hinges		
Heat resistant locks		
Various tools		

\*Hours of work required

Prepare new site. Burn existing wood and clear 18 Hours

Move metal tank to new site 16 Hours

Prepare tank for incinerator use

Make retaining wall - shown as road 1 or road 2

Clean old garbage area and ~~bury~~ <sup>bury</sup> garbage 3 week (several workers)

Clean G<sub>2</sub> and ~~creek~~ - 1 week " "

Clean G<sub>3</sub> and separate metal 1 month - 2 months.

This will need the use of Heavy Equipment and  
 workers to separate material

Minor repairs to road 3 days - 1 week



Alvin K. O'Donoghue  
1/23/10/02

Photo 1000

Municipality of Hall County NWT