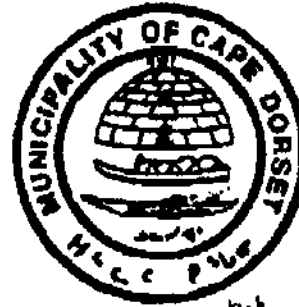


Municipality of Cape Dorset

H.L. P. 4.0
Cape Dorset, N.W.T. X0A 0C0
(819) 897-8943
Fax 897-8943

403-873-9542

FACSIMILE TRANSMISSION



*fax rec'd by water
on Nov 23/94 with
attached Application
Schedule III*

TO: N.W.T. WATER Board.
Box 1500
Yellowknife, NT
X0A-2R3
ATTN: Laurel.

FROM: Timon Toonoo
Director of municipal works and services.
Hamlet of Cape Dorset
P.O. Box 030
CAPE DORSET N.W.T.
X0A 1C0

MESSAGE:

Laurel:

Would you please go over the Application
for water. and let me know if we have to change
anything on this Application. I will be getting
maps for locations of water point and lagoon.

Thanks.
J. Toonoo

NUMBER OF PAGES INCLUDING COVER SHEET: 2 PLEASE
CALL (819) 897-8834 IF TRANSMISSION IS INCOMPLETE OR ILLEGIBLE.
FAX (819) 897-0250 THANK YOU.

SCHEDULE III
(Subsection 6(1))INDIAN AND NORTHERN
AFFAIRS — CANADA
N.W.T. REGION

NOV 24 1994



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

APPLICATION/LICENCE NO. _____
(amendment or renewal only) WATER RESOURCES
DIVISION
YELLOWKNIFE, NT1. NAME AND MAILING ADDRESS OF
APPLICANTHamlet of Cape Dorset
P.O. Box 030
Cape Dorset N.W.T. X0A 0C0
TELEPHONE: 8198978943 FAX: 897 80302. 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 76° 31' WLongitude 64° 31' N

4. DESCRIPTION OF UNDERTAKING (describe and attach plans)

Municipal water use and waste disposal.

5. TYPE OF UNDERTAKING

- | | | | | | |
|-----------------------|----------|----------------|---|-----------------|---|
| 1. Industrial | — | 4. Power | — | 6. Conservation | — |
| 2. Mining and milling | — | 5. Agriculture | — | 7. Recreation | — |
| 3. Municipal | <u>X</u> | | | | |

8. Miscellaneous (describe) _____

6. WATER USE

- | | | | |
|--|----------|---------------------------------------|---|
| To obtain water | <u>X</u> | 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 | — |

Other (describe) _____

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)

103,164 litres per day. No water will be returned to the source.

SCHEDULE III—Concluded

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

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

-Sewage 29,504.904. litres deposited every year. Lagoon is a lake that holds about 41,163,240. It drains to sea.. We dumped trucks to that lake.
-Garbage approx. 7,800/m3 per year and some of it is burnt.

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

-No other persons or properties will be affected.

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION

-Minimal

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

-None

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

July 1991

13. PROPOSED TIME SCHEDULE

Start date N/A

Completion date N/A

Timoon Toonoo

NAME (Print)

Director of M.W.S.

TITLE (Print)

SIGNATURE

DATE

FOR OFFICE USE ONLY

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

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

Municipality of Cape Dorset

H C P 40
Cape Dorset, N.W.T. X0A 0C0
(867) 867-5543
P.O. Box 1000

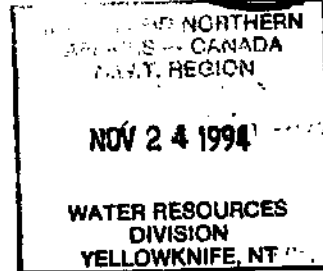


October 31, 1994

Municipal & Community Affairs
Govt. of the N.W.T.
P.O. Box 1000
Iqaluit, N.T.
X0A-0H0

Attention: Rick Armstrong

Infrastructure Program



Dear Rick;

As we discussed over the phone last week, I am enclosing a copy of our application for Waste Disposal and Environmental Recovery. We faxed a copy over on the 28th to Paul Taylor as well. The proposal has been reviewed by the Community Co-ordination Group and approved.

Please contact myself or Timoon Toonoo, the other person noted on the application if you have any questions or comments. We will await your response. I hope that we will have other projects approved and applications forwarded before the January 31st deadline for the remainder of the funds set aside for Cape Dorset. Thank you for your assistance during this process.

Sincerely

A handwritten signature in dark ink, appearing to read "Chuck Gilhuly".

Chuck Gilhuly,
Senior Administrative Officer

enc.

Municipality of Cape Dorset
Canada-NWT Infrastructure Program
Project Application Form

Part 1 - General Information

1.0 Sponsor Information

Community: Cape Dorset, N.W.T.

Sponsor's Name : Hamlet of Cape Dorset

Indicate Eligibility : ☒ Local Government

Sponsor's Mailing Address : PO Box 30
Cape Dorset, N.T.
X0A-0C0

Phone Number : (819)897-8943 Fax Number : (819)897-8030

Contact Person & Title : Chuck Gilhuly, Senior Administrative Officer
Timoon Toonoo, Director Municipal Works

Phone Number : Gilhuly 897-8943 Toonoo 897-8834

Revenue Canada Taxation Number : AXA 44355 9

2.0 Project Information

Name of Project : Waste Disposal & Environmental Recovery Project

Location of Project : Cape Dorset, N.T.

Planned Start Date : August/October 1994

Planned Completion Date : September 1995

2.0 Project Information (contd)

Project Supported By: Municipality of Cape Dorset
Municipal Works subcommittee.



For the community of Cape Dorset the Municipal Works subcommittee will be considered the Community Coordination Group. The subcommittee is made up of the Chairperson who is a member of the Hamlet Council, two community members. One of the community members is the Cape Dorset representative to the Baffin Regional Inuit Association and the other is an appointed member of the public at large.

2.1 Project Description and Summary of Project Benefits.

For several years the community and Hamlet Council have recognised that the Combustible Dump, Sewage Lagoon and Metal Dump have been utilised beyond their capacity. The Council together with MACA have initiated studies on engineering and project requirements to deal with the issue. The present dump/lagoon sites are too close to residential accommodations, present an environmental problem and are an eyesore which detracts from Tourism plans which intend to utilise the area as access to a planned Territorial Park (Mallikjuaq Island).

The intent of this project is to create a new landfill and sewage lagoon area which meets health and environmental requirements, provides capacity for up to twenty years and is out of sight of the general population and tourists. The final stage of the project will recover the present sites by burial and clean up so that the previously pristine landscape can gradually reassert itself.

The project can be broken into four areas:

- | | |
|------------------------------------|-------------------------------|
| 1) Site Preparation | 2) Engineering/Design |
| 3) Construction of Landfill/Lagoon | 4) Recovery of Previous sites |
- 1) Site Preparation includes construction of access roads, ditching and drainage. The majority of the access road construction will be completed in fiscal 1994. The remainder will be completed in late June and early July 1995.
 - 2) Engineering/Design includes hiring a consultant to take the data accumulated to date, and plan in detail the survey information, site requirements, landfill and lagoon engineering requirements and placement, detail construction plans including dates and costs and overseeing construction to ensure it meets the specifications. This will begin in fiscal 1994 and be concluded at the end of the project.
 - 3) Construction of Landfill/Lagoon is the actual building of the sites according to the engineering designs and timetable. This will begin in early July and is expected to be complete by the end of August.
 - 4) Recovery of Previous sites includes two components. One is the burial and landscaping of the present landfill, lagoon and honey bag sites. The second includes the labour necessary to collect all loose debris and garbage which has accumulated around the area over several years. The first component will begin in July and halt with just enough unrecovered sites to use for the summer until the new sites go into operation. It will then conclude from late August to September. The second component will begin in July and continue for approximately 4-6 weeks.

Benefits:

The benefits to the community are generally in line with the objectives and criteria of the infrastructure program and will be discussed in more detail in that section of the application.

Other Benefits include the opportunity to develop an environmentally friendly system of waste management, including proper handling of hazardous waste, proper separation of metals and etc, improved tourism opportunities, meeting the present and future needs of the community for waste disposal.

3.0 Project Criteria

Contributes to the development or enhancement of infrastructure:

The project obviously meets a serious need to upgrade the waste and sewage disposal infrastructure to meet not only future needs but also the present requirements. The design of the landfill and lagoon will greatly improve the community's ability to meet environmentally sound disposal procedures and techniques. (i.e. "stepped" lagoon system, ability to bury rather than burn other waste).

Creates Short Term Employment:

The needs for the Hamlet for permanent heavy equipment operators and the summer "normal" maintenance needs will require that one or two qualified heavy equipment operators be hired to carry out the project. These people are available in the community and presently are accessing social assistance, unemployment insurance will have run out by next summer, or they receive short-term part-time work which leaves them underemployed. As well the labourers necessary for the clean up portion of the project will be hired from the segments of the population that are in the "priority" category: unemployed, not eligible for Unemployment Insurance, eligible for social assistance, community residents and/or underemployed.

Develops Skills of Participants:

Increased skills will be developed in project planning and implementation, surveying/engineering and design, heavy equipment operations and project administration. Working with the consultant the Director of Municipal Works and other staff will learn professional techniques for project design, costing and planning. As well the Lands and Development officer of the Hamlet will develop new skills in drafting, surveying, layout of specifications and parameters, road design and construction and etc. Both the permanent and short term heavy equipment operators will learn the techniques required to build and construct both roads and earthworks "to spec" including proper crowning techniques, road construction techniques, berm construction, drainage construction and proper disposal site recovery/burial procedures as well as lagoon maintenance and recovery. The labourers will be involved in a large project and will have the opportunity to learn about the responsibilities and need for proper waste disposal and gain a knowledge of proper safety practices.

Demonstrates Satisfactory Financial Administration and Procedures:

The Hamlet of Cape Dorset has had "unqualified" audits for many years and our auditors as well as Municipal & Community Affairs can vouch for our financial and administrative competence.

In Addition to, enhances or accelerates the Capital Plan:

There are no Capital dollars identified by the GNWT for this project.

Follows federal/territorial Regulations:

The consultant and Hamlet will ensure that all legal, environmental, health and safety standards are maintained both during the project and in the final resulting infrastructure. The project itself addresses some weaknesses in these areas presently.

Demonstrates Provisions for On-going Operations and Maintenance :

Presently the Hamlet is responsible for maintenance of the lagoons and dumps. We are funded through a contribution from MACA as well as user charges on an on-going basis. These costs should actually decrease as the infrastructure is improved and requires less day to day maintenance. Therefore the yearly contribution and a slight increase should meet all future needs for Operations and Maintenance funds.

3.1 Other Criteria

Enhances Environmental Quality and Sustainability :

Presently the overutilisation of the landfill and the sewage lagoon create some problems. The lagoon does not have the capacity to fully meet the needs of the community and in periods of high rainfall or run-off may begin to overflow and "dump" effluent into the ocean if not addressed. As well normal yearly drain off procedures require that the standing liquids be drained off. It is presumed that the majority of sewage has settled or become purified over the settling period. This is not always the case. The new design will allow for three "stepped" lagoons. This means that only one lagoon will be used for the initial dumping of sewage. As this lagoon is allowed to settle the top effluents can be drained into a second pond, either manually or as a result of overflow due to filling up, rainfall or run off. The settling process will occur again in the second lagoon and then again in the third. By the time the effluents are released from the third lagoon during yearly maintenance they will have been much more highly separated from environmentally harmful ingredients.

The fact that the present landfill is full means that the Hamlet has been required to burn the dump weekly. This is an acceptable practice and according to the environmental officer the Hamlet is to be commended for keeping on top of this. However it is not the recommended method. Burial should be carried out regularly thus reducing the release of harmful smoke and etc into the atmosphere. As well the weekly burning of the dump has to be carried out very carefully to ensure that the smoke does not drift over the community as a result of wind shifts.

The new sites should be capable of meeting the requirements of the community for the next 15 to 20 years.

Replaces or Upgrades Existing Infrastructure

As described several times in the preceding areas, the present facilities are incapable of meeting present or future needs of the community. The new Infrastructure will both replace the present facilities and also upgrade the present capabilities by being properly engineered and utilised.

4.0 Salary and Wage Costs:

Total Wages:	\$55,750
Benefits :	6,700
Total :	<u>\$62,440</u>

5.0 Training Costs :

Training costs are included in section 6 "Investment Costs" under "Other".

6.0 Investment Costs :

Equipment : Operations costs and Rental	\$81,000
Other : Consultant (Design, Oversight, Training)	20,000
Total :	<u>\$101,000</u>

No capital equipment will be purchased or resold.

7.0 Overhead Costs:

Administration :	\$16,344
Total :	<u>\$ 16,344</u>

Total Project Costs :

\$179,784

Description	1994/95	1995/96
Wages	17,850	44,590
Investment	43,150	57,850
Overhead	6,100	10,244
Totals	67,100	112,684

Prepared by: Chuck Gilhuly
Timoon Toonoo

Approved by: Community Coordination Chairperson : Oolooreak Pudlat

Date: _____