

NUNAVUT WATER BOARD LICENCE APPLICATION FORM

Application for licence, amendment to licence, or renewal of licence

NUNAVUT WATER BOARD

AUG 28 1998

PUBLIC REGISTRY

APPLICATION/LICENCE NO: (Amendment or renewal only) <u>N6L4-1538</u>													
1. NAME AND MAILING ADDRESS OF APPLICANT <u>Hamlet of Chesterfield Inlet</u> <u>P.O. Box 10</u> <u>Chesterfield Inlet, NWT</u> <u>X0C0B0</u> Phone: <u>898-9951</u> Fax: <u>898-9108</u>	2. ADDRESS OF HEAD OFFICE IN CANADA IF INCORPORATED Phone: _____ Fax: _____												
3. LOCATION OF UNDERTAKING (describe and attach a map, indicating watercourse and location of any proposed waste deposits) Latitude: _____ Longitude: _____													
4. DESCRIPTION OF UNDERTAKING (describe and attach plans) <u>Municipal Water Use and Disposal</u>													
5. TYPE OF UNDERTAKING <table border="0"> <tr> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/> Power</td> <td><input type="checkbox"/> Agricultural</td> </tr> <tr> <td><input type="checkbox"/> Mining and Milling</td> <td><input type="checkbox"/> Conservation</td> <td><input type="checkbox"/> Recreation</td> </tr> <tr> <td colspan="3"><input checked="" type="checkbox"/> Municipal</td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Other (describe): _____</td> </tr> </table>		<input type="checkbox"/> Industrial	<input type="checkbox"/> Power	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Mining and Milling	<input type="checkbox"/> Conservation	<input type="checkbox"/> Recreation	<input checked="" type="checkbox"/> Municipal			<input type="checkbox"/> Other (describe): _____		
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6. WATER USE <table border="0"> <tr> <td><input checked="" type="checkbox"/> To obtain water</td> <td><input type="checkbox"/> Flood control</td> </tr> <tr> <td><input type="checkbox"/> To cross a watercourse</td> <td><input type="checkbox"/> To divert water</td> </tr> <tr> <td><input type="checkbox"/> To modify the bed or bank of a water</td> <td><input type="checkbox"/> To alter the flow of, or store, water</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other (describe): _____</td> </tr> </table>		<input checked="" type="checkbox"/> To obtain water	<input type="checkbox"/> Flood control	<input type="checkbox"/> To cross a watercourse	<input type="checkbox"/> To divert water	<input type="checkbox"/> To modify the bed or bank of a water	<input type="checkbox"/> To alter the flow of, or store, water	<input type="checkbox"/> Other (describe): _____					
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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.) <u>20,000 cubic Metres per year.</u>													
8. WASTE DEPOSIT (quantity, quality, treatment and disposal) <u>Disposal of waste. 20,000 cubic meters per year.</u> <u>Municipal waste to Dump.</u>													

9.	OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)		
10.	PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION None with current practises		
11.	CONTRACTORS AND SUB CONTRACTORS (name, address and functions)		
12.	STUDIES UNDERTAKEN TO DATE (list and attach copies) (ATTACHED) Chesterfield Inlet Sewage Disposal Facility site Characterization and monitoring study by M.M. Dillon Limited		
13.	INSURE THE FOLLOWING INFORMATION IS ALSO INCLUDED		
	Land Use Permit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Expected _____
	Supplementary Questionnaire	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date Expected _____
	Inuktitut Summary of Project	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date Expected _____
	MAP @ 1 : 250,000 (with camp, drill sites, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date Expected _____
14.	PROPOSED TIME SCHEDULE		
	Start Date: _____ Completion Date: _____		

Paul Sammartino S.A.O. [Signature] August 14, 1998
 Name (Print) Title (Print) Signature Date

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



P.O. Box 119
Gjoa Haven, NT X0E 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

**Water Licence Application
Supplementary Questionnaire
for Municipalities**

I. GENERAL

1. Date: June 10, 1998
2. Applicant: Hamlet of Chesterfield Inlet
Municipality
3. Contacts: Paul Sammurtook
Name of Contact
SAO
Position
867-898-9951
Telephone #
- 9108
Fax #
4. Municipal Status: ☐ Village ☐ Town
☒ Hamlet ☐ Settlement Corporation
5. Is this a ?
☐ New Application
☒ Renewal → Water Licence # N6L4-1538

II. ATTACHMENTS

1. Attach up- to- date detailed map(s) showing the locations of the:
- a. water intake;
 - b. water storage and treatment facilities;
 - c. fuel and chemical storage;
 - d. sewage treatment facilities (lagoon, honey bag pit, wetland);
 - e. wastewater treatment area and discharge outlets;
 - f. solid waste disposal areas and drainage patterns;
 - g. hazardous waste disposal area;
 - h. access roads;
 - i. existing water bodies/courses and any changes to these water bodies/courses that have or may occur as a result of water use or waste disposal facilities, locations of environmental monitoring sites. (Outline drainage basin);
 - j. Areas around the community used for recreation, camping, fishing, etc.
 - k. abandoned and/or restored water treatment, sewage, and solid waste disposal facilities.
- Are maps attached? ☐ Yes ☐ No
- If no, please indicate when they will be available.
-

Who has provided or prepared these maps?

III. WATER SUPPLY

Water Source

1. Type of source: ☒ Lake ☐ River ☐ Well ☐ Other _____

2. Name of water source and alternative, if any.

First Lake
Primary Source

Secondary Source

3. Usual break-up & freeze-up period: _____
Break-up Freeze-up

Water Storage

1. Type of water storage facility. (check where applicable)

☒ Reservoir/Pond ☐ Storage tank ☐ None
☐ Other _____

Description

2. If "reservoir" checked:

Is the reservoir lined? ☐ Yes ☒ No

What type of liner? _____ When was it installed? _____

Water Treatment

1. What is the quality of the water, and provide water quality results.

Summer: ☒ good ☐ fair ☐ poor

Fall: ☒ good ☐ fair ☐ poor

Winter: ☒ good ☐ fair ☐ poor

Spring: ☒ good ☐ fair ☐ poor

Describe.

3. Type of water treatment.
- ☐ Filtration and chlorination
- ☒ Chlorination only
- ☐ None
- ☐ Other _____

Description

Water Use And Distribution

1. Volume of water use:

Distribution	Estimated number of people on the system A	Estimated average water consumption (Litres/capita/day) B	Total water consumption (Litres/day) A x B
PIPED			
TRUCKED	337	67	22,579
		TOTAL	22,579

General Condition of the water supply facilities

1. General condition of the:

- a. Water supply facility
- ☒ Satisfactory ☐ Unsatisfactory
- If unsatisfactory, explain.

- b. Storage facility
- ☒ Satisfactory ☐ Unsatisfactory
- If unsatisfactory, explain.

- c. Distribution system
- ☒ Satisfactory ☐ Unsatisfactory

If unsatisfactory, explain.

Modifications

1. Are there any changes *planned* for the water supply system?

☒ No ☐ Yes

If yes, please attach a copy of the plan, or describe changes. Provide information on the implementation schedule.

2. Are changes needed to the water supply, storage or treatment facilities? Describe.
-
-
-

Identification

Are there signs identifying drinking water sources presently used by the municipality?

☐ No ☒ Yes

IV. SEWAGE DISPOSAL

1. What type(s) of sewage treatment is used?

☐ Lagoon

☐ Mechanical system

☒ Wetland

☐ Honey bag

☐ Combination/Other: describe

Lagoon (if applicable)

1. Has there been any operating problems with the lagoon?

☐ Yes ☐ No

If yes, describe

Mechanical System (if applicable)

1. Describe (type, specifications, operation and maintenance program for the mechanical wastewater treatment system).
-
-
-
-

2. Are sludges produced ?

☐ Yes ☐ No

If yes, describe how the sludges are disposed of:

Wetland (if applicable)

1. Describe the Wetland wastewater treatment system.
-

Flows NW away from the town. Flows about
450 m before entering the ocean.

Honey Bag Pit

1. Does the municipality use a honey bag pit?

☐ Yes ☒ No

If yes, describe the location, drainage, and operation/maintenance of the site:

Commercial, Industrial and/or Hazardous Wastes

1. Are there any sources of commercial or industrial *liquid* waste being discharged or deposited to the wastewater treatment system that may affect the quality of the effluent or leachate produced? *(The municipality should be aware that any commercial or industrial discharge has to be approved by the municipality)*

☒ Yes ☐ No

If yes, indicate sources, types and quantities.

Waste oil only (about 10 drums per year)

Sewage Discharge

1. Are fish, shell fish and other wildlife harvested in or near the discharge area?

☐ Yes ☒ No

If yes, indicate species harvested, and level of harvest.

General Condition of the sewage treatment facilities

1. General condition of the:

a. Sewage collection system

☒ Satisfactory ☐ Unsatisfactory

If unsatisfactory, explain.

b. Discharge control system

☐ Satisfactory ☐ Unsatisfactory

If unsatisfactory, explain.

N/A

c. Dams, diversion dykes, berms

☐ Satisfactory ☐ Unsatisfactory

If unsatisfactory, explain.

N/A

Modifications

1. Are there any changes *planned* in the sewage treatment facilities?

☒ No ☐ Yes

If yes, please attach a copy of the plan, or describe changes. Provide information on the implementation schedule.

2. Does the municipality or residents believe changes are needed to the sewage treatment facilities? Describe.

No

Abandonment and Restoration

1. List and describe abandoned or restored sewage treatment facilities. Indicate their location on a map.

No changes

Identification

Are there signs identifying past and present sewage disposal sites?

☐ No ☒ Yes

V. SOLID WASTE DISPOSAL

1. Briefly describe how solid wastes are collected and delivered to the disposal area.

By truck

2. Is the solid waste site fenced? ☒ Yes ☐ No

3. Is the fence adequate? ☒ Yes ☐ No

If no, describe

Waste Reduction

1. Does the municipality burn garbage?

☒ Yes ☐ No

If yes, describe how and when this is done.

On a daily basis.

2. Has the municipality considered measures for waste reduction such as recycling or reuse?

☐ Yes ☒ No

If yes, describe

Animal Carcasses Pit

1. Does the municipality have an area for the disposal of animal carcasses?

☐ Yes ☒ No

If yes, describe the location, drainage and operation/maintenance of the site

Bulky Scrap Metal Waste Disposal Area

1. Does the municipality have a scrap metal or bulky waste disposal area?

☒ Yes ☐ No

If yes, briefly describe its location and operation plan.

Located off a side road just prior to
the sewage and waste disposal site.

There is no operation plan.

Commercial, Industrial and/or Hazardous Wastes Disposal Area

1. Are there any commercial or industrial waste being discharged or deposited in the solid waste disposal area? (The municipality should be aware that any discharge of commercial or industrial waste has to be approved by the municipality)

☐ Yes ☒ No

If yes, please indicate sources, types and quantity.

waste oil 13 kept separate

2. Will the municipality use a hazardous waste disposal area?

☐ Yes ☒ No

If yes, describe its:

a. Location

b. Structure

c. Operation and maintenance (describe special handling/disposal methods for these wastes)

General Condition of the Solid Waste Disposal Area

1. General condition of the:

a. Solid waste disposal area

☒ Satisfactory ☐ Unsatisfactory

If unsatisfactory, explain.

Modifications

1. Are there any changes planned for the solid waste disposal area?

☒ No ☐ Yes

If yes, attach a copy of the plan, or describe changes. Provide information on the implementation schedule.

2. Are changes needed to the solid waste disposal area? Describe.

No

Abandonment and Restoration

1. List and describe abandoned or restored solid waste facilities.
Indicate their location on a map.

Old Solid waste site covered

Old scrap metal area covered.

} Both located at current waste disposal site

Identification

Are there signs identifying past and present solid waste disposal sites?

☒ No ☐ Yes

VI. INSPECTION AND MONITORING

1. When were municipal facilities inspected by:

☒ Indian and Northern Affairs Inspector

☐ Municipal and Community Affairs

☐ Other: _____

Date: August 6, 1997 / June 10/98

Date: _____

Date: _____

2. Is there a system in place for reporting spills?

☒ Yes ☐ No

If yes, describe.

NWT Spill Line

3. Is there a contingency plan for clean up of spills?

☐ Yes ☐ No

If yes, describe.

Nothing formal