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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☒ **Renewal** ☐ Amendment ☐ Assignment ☐ Cancellation

LICENCE NO:

(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE <u>Hamlet of Chesterfield Inlet</u> <u>P.O. Box 10</u> <u>Chesterfield Inlet, NU X0C 0B0</u> Phone: <u>(867) 898 - 9926</u> Fax: <u>(867) 898 - 9108</u> e-mail: _____	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) _____ Phone: _____ Fax: _____ e-mail: _____
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) Potable water is piped from First Lake and stored in a Reservoir within the communitiy (see attached map) First Lake Coordinates: Latitude 63 19' 45" N Longitude 90 46' 30" W Reservior Coordinates: Latitude 63 20' 22" N Longitude 90 43' 4" W A tundra wetland treats sewage from the community; the solid waste facility is located to the north of the tundra wetland (see attached map) Tundra Wetland Coordinates: Latitude 63 20' 40" N Longitude 90 45' 8" W Solid Waste Facility Coordinates: Latitude 63 20' 46" N Longitude 90 45' 10" W Latitude: (° ' " N) Longitude: (° ' " W) NTS Map Sheet No. _____ Scale: _____	
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) The Hamlet of Chesterfield Inlet wishes to renew their existing water license, NWB3CHE0308, encompassing the potable water system, the tundra wetland sewage treatment system, and the solid waste facility. Improvements to the existing tundra wetland sewage treatment system have also been designed. These include the construction of two new holding cells with impervious berms, the creation of a new truck dumping station and improvments to the current one, and the construction of three flow diversion berms: one within the solid waste facility and two prior to the system's outlet to Finger Bay (on Hudson Bay). A new compliance point has also been proposed.	

5. TYPE OF PRIMARY UNDERTAKING (A supplementary questionnaire **must** be submitted with the application for undertakings listed in “**bold**”)

- | | |
|--|---|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Mining and Milling (includes exploration/drilling) | <input type="checkbox"/> Conservation |
| <input checked="" type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input type="checkbox"/> Miscellaneous (describe below): |

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

6. WATER USE

- ☒ To obtain water
 ☐ Flood control
☐ To cross a watercourse
 ☐ To divert a watercourse
☐ To modify the bed or bank of a watercourse
 ☐ To alter the flow of , or store, water
☐ Other (describe):

7. QUANTITY OF WATER INVOLVED (cubic metres per day including both quantity to be used and quality to be returned to source)

Water use
☐ 100m³/day or less
☒ Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

Water returned to source
 _____ m³/day

8. WASTE (for each type of waste describe: composition, quantity (cubic metres per day), methods of treatment and disposal, etc.)

- ☒ Sewage
 ☐ Waste oil
☒ Solid Waste
 ☐ Greywater
☐ Hazardous
 ☐ Sludges
☒ Bulky Items/Scrap Metal
 ☒ Other (describe): Domestic

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

N/A

Land Use Permit
 DIAND

☐ Yes ☐ No If no, date expected _____

Regional Inuit Association

☐ Yes ☐ No If no, date expected _____

Commissioner

☐ Yes ☐ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

N/A

NIRB Screening ☐ Yes ☐ No If no, date expected _____

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

No

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

12. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

A contractor for construction and improvements to the tundra wetland has not been hired yet.

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

Sewage Disposal Improvements Design and Operations Concept, Chesterfield Inlet, NWT - M.M. Dillon Ltd, May 1994

Chesterfield Inlet Sewage Disposal Facility Site Characterization and Monitoring Study - M.M. Dillon Ltd, January 1995

Environmental Liability Assessment, Chesterfield Inlet, NU - Jacques Whitford Environment Ltd, December 2003

Study of Wetland Sewage Treatment Area, Chesterfield Inlet, NU - Jacques Whitford Ltd, March 2005

Schematic Design Report for Tundra Wetland Sewage Treatment System Design, Chesterfield Inlet, NU - Nunami Jacques Whitford, January 2008 (attached)

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun/English Summary of Project ☒ Yes ☐ No If no, date expected _____

Application fee of \$30.00 (Payee Receiver General for Canada) ☒ Yes ☐ No If no, date expected _____

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)

☒ Yes ☐ No If no, date expected _____

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

☐ one year or less (or) ☒ Multi Year

Start Date: January 1, 2009 Completion Date: December 31, 2019

Nick Lawson

**Project Manager,
Nunami Jacques
Whitford Ltd.**

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board office use only

APPLICATION FEE Amount: \$ _____ Pay ID No.: _____

WATER USE DEPOSIT Amount: \$ _____ Pay ID No.: _____