



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

ᐃᑎᐃᑦ ᐃᑎᐃᑦᑦᑦ ᐃᑎᐃᑦ
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 Natalia Rybczynski Canadian Museum of Nature PO Box 3443 STN "D" Ottawa, ON K1P 6P4 Phone: 613-556-2462 Fax: 613-364-4027 E-mail: nrybczynski@mus-nature.ca	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) Location A: Strathcona Fiord, Ellesmere Island, Beaver Pond Site (78° 33' N, 82° 25' W and vicinity) NTS Map 49E Scale: 1/250 000 Location B: Strathcona Fiord, Ellesmere Island, 90 meter Site (78° 27' N, 82° 35' W and vicinity) NTS Map 49E Scale: 1/250 000 Location C: Ellef Ringnes, Fyles' Site (79°05' N, 103°48' W and vicinity) NTS Map 69G Scale: 1/250 000 Latitude: (° ' " N) Longitude: (° ' " W) NTS Map Sheet No. ____ Scale: ____			
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) See the attached project description See Map 1 Location A and Location B; Map 2 Location C			
5. TYPE OF PRIMARY UNDERTAKING (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in " bold ") <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Industrial <input type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below): <div style="margin-left: 20px;">Research (Palaeontology)</div> </td> </tr> </table>		<input type="checkbox"/> Industrial <input type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below): <div style="margin-left: 20px;">Research (Palaeontology)</div>
<input type="checkbox"/> Industrial <input type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below): <div style="margin-left: 20px;">Research (Palaeontology)</div>		
See Schedule II of <i>Northwest Territories Waters Regulations</i> 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): Water will be used for consumption, cooking and cleaning.

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.)

We estimate using less than 2m cubed per day or less.

Water returned to source

N/A 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):

Estimation of around 100 litres or less of grey water for the entire field season. Grey water will be poured into a pits that will be infilled and burried. All other waste will be brought back to the Polar Continantal Shelf Program, Resolute Bay for proper disposal.

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

DIAND :Location C is on Crown Lands though we do not require a Class A Permit nor do we require a Class B Permit since we will not exceed the 100 person/days per location regulation.

Regional Inuit Association: We have applied for the appropriate Palaeontology Permit through the Department of Culture, Language, Elders, and Youth (CLEY), Government of Nunavut, Box 310, Igloolik, NU X0A 0L0. We have submitted the application and it is currently being processed.

Land Use Permit

DIAND ☒ Yes ☐ No If no, date expected Not applicable (see above)

Regional Inuit Association ☒ Yes ☐ No If no, date expected (See above)

Commissioner ☐ Yes ☒ No If no, date expected _____

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

The field research project is planned to take place in 3 different areas (see section 3 of this application for coordinates). Location A and B are situation in westcentral Ellesmere Island and Location C is situated in northern Ellef Ringnes Island. The Polar Continental Shelf Program (PCSP) will provide helicopter and twin otter support and manage fuel barrel storage and maintenance. However, the PCSP may bring, via twin otter,

barrels of Jet-B helicopter fuel to the existing fuel cache in the vicinity of Location A, given that a helicopter is required to transport the team from Location A to the Location B. The empty barrels will be removed by the PCSP. From what PCSP has communicated, there is no plan to bring Jet-B fuel to Location C. Two 20 lb canisters of propane will be provided by the PCSP for each location, to be used for cooking at the camp sites. No smoking is permitted near the propane tanks. When leaving a site the research team brings the empty propane tanks, all remaining garbage, camping gear and equipment back to PCSP, Resolute Bay.

NIRB Screening ☒ Yes ☐ No If no, date expected In progress

We are required to submit an application for access to Inuit owned land through the Qikitanu Inuit Association. During this process the project application is secondarily submitted to NIRB for screening by the Qikitanu Inuit Association. It is in progress.

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)

Not applicable

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

The Pliocene deposits of Strathcona Fiord have been under investigation since the early 1990's. Rybczynski has led 2 field seasons in this area. Work on the deposits of Ellef Ringnes Island occurred in the 1980's led by J. Fyles (Geological Survey of Canada). Research of these fossil deposits Fossil has resulted in numerous publications.

Please see the attached list for key publications and abstracts.

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: June 28, 2010 Completion Date: August 8, 2010

Natalia Rybczynski

**Research Scientist,
Canadian Museum of
Nature**

February 25, 2010

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.:** _____