



**General Water Licence Application
(Application for a new Water Licence)**

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NUNAVUT IMALIRIYIN KATIMAYIT
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT**

DOCUMENT MANAGEMENT

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DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 4	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)		
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GENERAL WATER LICENCE APPLICATION (APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: Guide to Completing and Submitting a Water Licence Application for a New Licence for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Sean Paul Alcide Desjardins Department of Anthropology, McGill University 855 Sherbrooke Street West Leacock Building, Room 718 Montreal, QC H3A 2T7 Phone: <u>514-443-0082</u> Fax: <u>514-398-7476</u> e-mail: <u>sean.desjardins@mail.mcgill.ca</u>	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Same as left field. Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) "The Ethnoarchaeology of Inuit Sea-Mammal Hunting, Northwest Foxe Basin, Nunavut"	
4. LOCATION OF UNDERTAKING Project Extents NW: Latitude: (69° 05' 27.95" N) Longitude: (81° 17' 25.56" W) NE: Latitude: (69° 05' 50.16" N) Longitude: (81° 14' 35.15" W) SE: Latitude: (69° 05' 09.00" N) Longitude: (81° 14' 22.61" W) SW: Latitude: (69° 04' 54.61" N) Longitude: (81° 16' 39.83" W) Camp Location(s) Latitude: (69° 05' 41.0" N) Longitude: (81° 17' 19.0" W)	
5. MAP - Attach a topographical map, indicating the main components of the undertaking. NTS Map Sheet No.: <u>47D/2</u> Map Name: <u>Pinger Point</u> Map Scale: <u>1:50,000</u>	

6. **NATURE OF INTEREST IN THE LAND** - Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

Surface

☐ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☒ IOL Authorization from Qikiqtani Inuit Association (QIA)
Date (expected date) of issuance: June 1, 2012 (expected) Date of expiry: _____

☐ Commissioner's Land Use Authorization
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Other: _____
Date (expected date) of issuance: _____ Date of expiry: _____

Name of entity(s) holding authorizations: _____

7. **NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

Indicate the land use planning area in which the project is located.

- | | |
|---|---|
| <input type="checkbox"/> North Baffin | <input type="checkbox"/> Keewatin |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq |
| <input checked="" type="checkbox"/> Akunnig | <input type="checkbox"/> West Kitikmeot |

Is a land use plan conformity determination required?

- ☐ Yes ☒ No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

Verbal confirmation that the project does not require a land use plan conformity determination has been acquired from Mr. Brian Aglukark; Written confirmation will be forwarded to your office shortly.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

☐ Yes

☐ No

If Yes, indicate date issued and attach copy __Pending determination.____

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

Written confirmation will be forwarded to your office shortly.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

A description of the project is attached.

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

No alternative methods or locations have been considered for this project.

11. CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial

☐ Agricultural

☐ Mining and Milling (includes exploration/drilling/exploration camps)

☐ Conservation

☐ Municipal (includes camps/lodges)

☐ Recreational

☐ Power

☒ Miscellaneous (describe below):

Research (archaeological)

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

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water License Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing

☐ Tannery

☐ Tourist / Remote Camp

☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil

☐ Onshore Oil and Gas Exploration Drilling

☒ Mineral Exploration / Remote Camp

☐ Advanced Exploration

☐ Mine Development

☐ Municipal

☐ General Water Works

☐ Power

12. WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

☒ To obtain water for camp/ municipal purposes

☐ To obtain water for industrial purposes

☐ To divert a watercourse

☐ To cross a watercourse

☐ To modify the bed or bank of a watercourse

☐ To alter the flow of, or store water

☐ Flood control

☐ Other: _____

13. QUANTITY AND QUALITY OF WATER INVOLVED - For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):

Water for personal/camp use will be obtained from unnamed freshwater ponds and streams in the vicinity of 69°05'41.0"N 81°17'19.0"W.

Describe the quality of the water source(s) and the available capacity:

Fresh water from these sources is believed to be potable; microfilters for purification will be used for all water meant for drinking.

Provide the overall estimated quantity of water to be used: _____ <1 _____ m³/day

Provide the estimated quantity(s) of water to be used from each source:

<1 square meter per day from each source (approx. 6-7 gallons per day).

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)

Approximately six or seven gallons of water per day will be used for personal uses and drinking at the field camp.

Describe the method of extraction(s):

Water will be collected from the sources by hand in small, collapsible plastic buckets, and carried to the field camp.

Estimated quantity(s) of water returned to source(s) _____ 0 _____ m³/day

Describe the quality of water(s) returned to source(s): _____ N/A _____

14. WASTE - Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

☒ Sewage

☐ Waste oil

☒ Solid Waste

☐ Greywater

☐ Hazardous

☐ Sludges

☐ Bulky Items/Scrap Metal

☐ Contaminated soil and/or water

☐ Animal Waste

☐ Other (describe): _____

- 15. QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Sewage.	Human waste from one small camp toilet.	Variable, but very small amounts; human waste from six individuals over approx. six weeks.	None.	Burial.
Solid Waste.	General trash (food packages, etc.) associated with camp activities.	Minimal; refuse from field camp activities.	None.	Material will be periodically burned in a metal drum.

- 16. OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

Authorization: ___CLEY Archaeology Permit (Class II)___

Administering Agency: _Nunavut Department of Culture, Language, Elders, and Youth (CLEY)_

Project Activity: ___Archaeological investigations/research___

Date (expected date) of issuance: ___July 1, 2012___ Date of expiry: ___September 30, 2012___

- 17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

Very minimal environmental impact is anticipated as a result of fieldwork and camp setup, operation and dismantling. Archaeological investigations at the fieldwork site will be fairly small scale; sod cover on the ground will be removed and then replaced after the excavation units (approximately 25 1x1m squared units) have been re-filled, leaving the surface area almost exactly as it was found upon our arrival. No hazardous chemicals will be used during the course of the project, and every effort will be taken to ensure that gasoline for the ATV and propane for the camp stoves are securely and responsibly used and stored. No wildlife will be disturbed during the course of the field season. No chemicals, objects or permanent structures will be left behind at the close of the field season in August 2012.

Water for personal/camp use (drinking, washing up, dishes, etc.) will be obtained from ponds and streams located nearby to the field camp. No chemicals, fuels or waste will be deposited into local bodies of water. Human waste from a small chemical toilet at the camp site will be buried; toilet paper and other sanitary material will be periodically burned. Trash from field camp activities will also be periodically burned.

18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licenses for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

No adverse effects on local stakeholder (IOL HB-06) water sources are anticipated.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

N/A

19. INUIT WATER RIGHTS

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No adverse effects on local stakeholder (IOL HB-06) water sources are anticipated.

20. CONSULTATION – Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

The following community stakeholders have been contacted, and I (the Principal Investigator) am in regular phone contact with the Igloolik Hunters and Trappers Association:

- 1) the Hamlet of Hall Beach
- 2) the Municipality of Igloolik
- 3) the Igloolik Hunters and Trappers Association

Copies of my correspondence (in both Inuktitut and English) are attached to this application.

21. SECURITY INFORMATION

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

N/A

Where applicable, the financial security assessment should be prepared in a manner consistent with

the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

N/A

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

The applicant, Sean P. A. Desjardins, is solely responsible for project finances.

If the applicant is a business entity, provide a list of the officers of the company.

The applicant is not a business entity.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

N/A

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

No previous information to report.

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction

Proposed Start Date: ____07/2012____ Proposed Completion Date: ____07/2012____
(month/year) (month/year)

Operation

Proposed Start Date: ____07/2012____ Proposed Completion Date: ____08/2012____
(month/year) (month/year)

Closure

Proposed Start Date: ____08/2012____ Proposed Completion Date: ____08/2012____
(month/year) (month/year)

Post - Closure

Proposed Start Date: ____08/2012____ Proposed Completion Date: ____08/2012____
(month/year) (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Operation

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Closure

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Post - Closure

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): _____1_____ years

Requested Date of Issuance: _____07/2012_____ Requested Expiry Date: _____09/2012_____
(month/year) (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB's *Standardized Form for Annual Reporting* will be used for reporting purposes.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

☐ Yes ☒ No If no, date expected ____By June 1, 2012____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

☐ Yes ☒ No If no, date expected ____By June 1, 2012____

Completed General Water License Application form.

☒ Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☒ Yes ☐ No If no, date expected _____

English Summary of Application.

☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

☒ Yes ☐ No If no, date expected _____


Application Fee of \$30.00 CDN (Payee Receiver General for Canada).

☒ Yes ☐ No If no, date expected _____

Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

☒ Yes ☐ No If no, date expected _____

28. SIGNATURE

Sean P.A. Desjardins PhD Student  04/10/2012
Name (Print) Title (Print) Signature Date