

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

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DOCUMENT MANAGEMENT

Original Document Date:

April 2010

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)		
(4)		
(5)		
(6)		
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GENERAL WATER LICENCE APPLICATION (APPLICATION FOR NEW WATER LICENCE)

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

LICENCE NO: (for NWB use only) 3BC-UWA				
APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Professor John A. Tarduno Department of Earth & Environ. Sci. 227 Hutchison Hall University of Rochester, Rochester, NY 14618	C	PPLICANT REPRESENTATIVE DNTACT INFORMATION if different om Block 1 (name, address)		
Phone: 585-275-5713 Fax: 585- 244-5689 e-mail: john@earth.rochester.edu Phone:				
3. NAME OF PROJECT (including the name of the	project loc	ation)		
The ultra-warm Arctic ca. 90 million years ago				
4. LOCATION OF UNDERTAKING				
Project Extents				
All within 5 miles of small mountaineering-style camps listed below. Nunavut Water Board				
Camp Location(s) APR 1 0 2012				
Latitude: (79 ° 23' 50" N) Latitude: (80 ° 32' 0" N) Latitude: (82 ° 30' 0" N) Longitude: (94° 48' 0" W) Latitude: (82 ° 30' 0" N) Longitude: (82° 10' 0" W) Public Registry				
5. MAP - Attach a topographical map, indicating the main components of the undertaking.				
Expedition Fiord: NTS Map Sheet No.: _059G 08_ Bunde Fiord: NTS Map Sheet No.: 560A 12 Map Name: Bukken Fiord Map Scale: 1:150,000 Map Name: Yelverton Inlet Map Name: Yelverto				

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: Date of expiry:					
	x Other:Crown Lands 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.				
	□ North Baffin □ Keewatin □ South Baffin □ Sanikiluaq □ Akunniq □ 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.				

8.	NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION			
	Is an Article 12 Part 4 screening determination requi	red?		
	☐ Yes ☐ No			
	If Yes, indicate date issued and attach copy If No, provide written confirmation from NIRB confirmation fro	ning that a screening determination is not		
9.	DESCRIPTION OF UNDERTAKING – List and attack	ch plans and drawings or project proposal.		
See at	tached project summary description.			
10.	OPTIONS – Provide a brief explanation of the altern considered to carry out the project. Sites are specific to scientific goals	ative methods or locations that were		
11.	CLASSIFICATION OF PRIMARY UNDERTAKING undertaking by checking one of the following boxes.	- Indicate the primary classification of		
	☐ Industrial ☐ Mining and Milling (includes exploration/drilling/e ☐ Conservation	☐ Agricultural xploration camps)		
	☐ Municipal (includes camps/lodges) ☐ Power	Recreational x Miscellaneous (describe below):		
	Scientific research (geology)			
	See Schedule II of Northwest Territories Waters Reg	ulations for Description of Undertakings.		
	Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.			
	☐ Hydrostatic Testing ☐ Tannery ☐ Tourist / Remote Camp ☐ Landform & On Site Storage of Hydrosorbon Co.	eto min eto di Cail		
	Landfarm & On-Site Storage of Hydrocarbon Col Onshore Oil and Gas Exploration Drilling Mineral Exploration / Remote Camp	ntaminated Soil		
	Advanced Exploration Mine Development			
	☐ Municipal☐ General Water Works☐ Power			
12.	WATER USE - Check the appropriate box(s) to indiapplied for.	cate the type(s) of water use(s) being		

_							
	☐ To cross a ☐ To alter the	ater for camp vater for industrial pur watercourse e flow of, or store wate	er [k of a watercourse	
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):small unnamed streams within 1 mile of camp locations						
		uality of the water sou	urce(s) and the	available	capacity: fresh w	rater; capacity	
	Provide the ov	erall estimated quanti	ty of water to b	e used: le	ss than 1 m³/day		
	Provide the es	timated quantity(s) of	water to be us	ed from ea	ach source:		
		timated quantities to se (drinking; cooking o		ch purpose	e (camp, drilling,	etc.)	
	Describe the m	nethod of extraction(s): Collected us	sing 5 gal.	collapsible conta	iner	
	Estimated quantity(s) of water returned to source(s): 0 m³/day						
	Describe the quality of water(s) returned to source(s):NA						
14.	WASTE – Ch deposited.	eck the appropriate b	ox(s) to indicat	te the type	s of waste(s) ger	nerated and	
	Animal Wa	s s/Scrap Metal	_	water jes iminated s	oil and/or water n Otter by Polar S	Shelf to Resolute	
15.	QUANTITY A Block 14, des method of dis	ND QUALITY OF Wateribe its composition, posal.	ASTE INVOLV quantity in cub	ED – For o	each type of was /day, method of t	te indicated in reatment and	
	ype of Vaste	Composition	Quantity Generated		Treatment Method	Disposal Method	
other		Food container packages	Variable (small amts used by 4-6 persons)		IA	Flown out by Polar Shelf	

	-	

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: Logistic Support

Administering Agency: Canadian Continental Polar Shelf Program Project 70712

Project Activity: Geological Research

Date (expected date) of issuance: March 22, 2012 (already issued) Date of expiry: 2012

summer season only

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

We operate very small mountaineering camps (4-6 people) and are at each site less than 100 person days. mpact is negligible. We leave the areas pristine.

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 licences 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.

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

NA

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). NA

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.

NA

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.

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.

NA 22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

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

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

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

New project

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

Date:
(month/year)
, , ,
9/1/12*
(month/year)
use a more generous Sept 1 ions delay our entry into the
Date:
(month/year)

Proposed Completion Date:

(month/year)

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

Proposed Start Date:

	Construction Winter Spring Summer Fall All season
	Operation Winter Spring x 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:6/2012 Requested Expiry Date:9/2012 (month/year) (month/year)
licence water li licensin licence respond	equested date of issuance must be <u>at least</u> three (3) months from the date of application for a type B water and <u>at least</u> one (1) year from the date of application for a type A water licence, to allow for processing of the icence application. These timeframes are approximate and do not account for the time to complete any prend land use planning or development impact requirements, time for the applicant to prepare and submit a water application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to d to requests for additional information. See the NWB's <i>Guide 5:</i> <u>Processing Water Licence Applications</u> for information)
26.	ANNUAL REPORTING – If not using the NWB's <u>Standardized Form for Annual Reporting</u> , provide details regarding the content of annual reports and a proposed outline or template of the annual report.

27. CHECKLIST – The following must be included with the application for the water licensing process 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						
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conformity have been addressed. Yes No If no, date expected	27.		e following must be	included wit	th the application for the wat	er licensing process to
Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed. Yes		Written confirmati conformity have b	on from the NPC coleen addressed.	nfirming that	t NPC's requirements regard	ling land use plan
impact assessment have been addressed. Yes No If no, date expected		Yes	☐ No	If no, c	date expected	
Completed General Water Licence Application form. X Yes		Written confirmati impact assessmen	on from the NIRB cont have been addres	onfirming tha ssed.	at NIRB's requirements rega	rding development
Information addressing Supplemental Information Guideline (SIG), where applicable (see Block 1 Yes No If no, date expected English Summary of Application. X Yes No If no, date expected Inuktitut and/or Inuinnaqtun Summary of Application. X Yes No If no, date expected Application Fee of \$30.00 CDN (Payee Receiver General for Canada). X 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 the summary of water authorize		Yes	☐ No	if no, c	date expected	
Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 1 Yes No If no, date expected English Summary of Application. X Yes No If no, date expected Inuktitut and/or Inuinnaqtun Summary of Application. X Yes No If no, date expected Application Fee of \$30.00 CDN (Payee Receiver General for Canada). X 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 the second in the sec		Completed Gener	al Water Licence Ap	plication for	m.	
☐ Yes ☐ No If no, date expected		X Yes	☐ No	If no, d	ate expected	
English Summary of Application. X Yes		Information addre	ssing Supplemental	Information	Guideline (SIG) , where app	plicable (see Block 11)
Inuktitut and/or Inuinnaqtun Summary of Application. X Yes		Yes	☐ No	If no, o	date expected	
Inuktitut and/or Inuinnaqtun Summary of Application. X Yes		English Summary	of Application.			
X Yes		X Yes	□No	If no, d	ate expected	
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X Yes		X Yes	□No	If no, d	ate expected	
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use fee will be calculated by the NWB based upon the amount of water authorized for use i		X Yes	☐ No	If no, d	ate expected	
		use fee will be o	alculated by the N	WB based ι	upon the amount of water	da). The actual water authorized for use in
X Yes		X Yes	☐ No	If no, da	ate expected	
28. SIGNATURE	28.	SIGNATURE				
	John	A. Tarduno	Profes	sor	Vac. L	March 30,
Name (Print) Title (Print) Signature Date		Name (Print)	Title (P	rint)	Signature	