

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

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P.O. BOX 119 GJOA HAVEN, NUNAVUT XOB 1J0

Tel: (867)360-6338 Fax: (867)360-6369 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	June 2010
	from NWB Guide 4	
(2)	Updated NWB logos and reformatted table to allow rows	May 2011
	to break across page	
(3)	Update NWB logo	April 2013
(4)		
(5)		
(6)		
(7)		
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(9)		
(10)		



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kNK5 wmoEp5 vtmp5 GJOA HAVEN, NU X0B 1J0 NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYIT OFFICE DES EAUX DU NUNAVUT

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 <u>Licence Application for a New Licence</u> for more information about this application form.

LICENCE NO:					
(for NV	VB use only)				
1.	APPLICANT (PROPOSED CONTACT INFORMATION Kitnuna Environmental Ltd PO Box 92, 10 Omilik Roa	N (name, address)	2.	APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)	
Fax:	Cambridge Bay, NU X0B 0 780-271-4560		Fax: e-mail:	authorization letter.)	
C maii.	Jiodici @Roienv.com		(/ titaori	dutionzation letter.)	
3.	NAME OF PROJECT (incl	uding the name of the	project	location)	
	Cambridge Bay Soil and Water Treatment Facility				
4.	LOCATION OF UNDERTA	AKING			
Project Extents					
NE: SE:	Latitude: (69° 07' 44" N) Latitude: (69° 07' 44 " N) Latitude: (69° 07' 38 " N) Latitude: (69° 07' 36 " N)	Longitude: (105° 02 Longitude: (105° 02	' 27" W) ' 27" W)		
Camp Location(s)					
Latitude	e: (° ' " N)	Longitude: (°°	" W)		
5. MAP - Attach a topographical map, indicating the main components of the undertaking.					
NTS Map Sheet No.: 77D/01,02 Map Name: Proposed Cambridge Bay Soil and Water Treatment Facility Map Scale:1:50 000 and 1:10 000					

Sub-surface Mineral Lease from Nunavut Tunngavik Incorporated (NTI) Date (expected date) of issuance:	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).			
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:					
□ 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: □ □ Commissioner's Land Use Authorization Date (expected date) of issuance: □ Date of expiry: □ X Other: Land lease from Hamlet of Cambridge Bay to construct soil and water treatment facility Date (expected date) of issuance: June 1, 2017 Date of expiry: June 1, 2022 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					
Date (expected date) of issuance:		Surface			
Date (expected date) of issuance:					
Date (expected date) of issuance: Date of expiry:					
Date (expected date) of issuance:					
Date (expected date) of issuance: Date of expiry: X Other: Land lease from Hamlet of Cambridge Bay to construct soil and water treatment facility Date (expected date) of issuance: June 1, 2017 Date of expiry: June 1, 2022 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					
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Indicate the land use planning area in which the project is located. North Baffin Keewatin	Name of entity(s) holding authorizations:				
☐ North Baffin ☐ Keewatin	7.	NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION			
		Indicate the land use planning area in which the project is located.			
☐ Akunniq ✓ West Kitikmeot		South Baffin Sanikiluaq			
Is a land use plan conformity determination required?					
Yes X No		Yes X 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.		If No, provide written confirmation from NPC confirming that a land use plan conformity review			

8.	NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION		
	Is an Article 12 Part 4 screening determination required?		
	X Yes No		
	NIRB Screening Decision Report No: 16XN034 attached		
9.	DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.		
	NIRB application and associated plans attached.		
10.	OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project. Through discussion with Hamlet of Cambridge Bay, this location was presented for this land use, it's location away from residential land use ensures no human interaction.		
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):		
	See Schedule II of <i>Northwest Territories Waters Regulations</i> 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 X 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 cross a watercourse To alter the flow of, or store water X Other: To accept contaminated snow/water, store, treat and discharge. No water to be used. Run off containment.		

13.	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): Contaminated snow/water from commercial/industrial sites in the Hamlet of Cambridge Bay					
	Describe the quality of the water source(s) and the available capacity: 170m ³ storage					
	No source wa	ter to be used				
	Provide the ov	verall estimated quar	ntity of water to be us	ed: N/A m³/day		
	Provide the es	stimated quantity(s)	of water to be used fr	om each source: N/A		
	Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)					
	Describe the method of extraction(s):					
	Estimated quantity(s) of water returned to source(s) N/A m³/day					
Describe the quality of water(s) returned to source(s): Treated water to be discharged to surface						
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 X Precipitation and melt water that contacted PHC soil Animal Waste Other (describe): Untreatable soil, spent filter media from water treatment						
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.						
	ype of Vaste	Composition	Quantity Generated	Treatment Method	Disposal Method	
	act Water	Water with petroleum hydrocarbons	Limited	Water Treatment Plant	Discharge as per GN criteria	
Untreated Soil		Soil with petroleum hydrocarbons	Negligible		Shipment to approved facility	
Spen Media	t Filter a	Absorbents with PHCS's	Unknown	Containerize	Approved facility	

16. OTHER AUTHORIZATIONS – In addition to the sub-surface and surface land use authorizations

22.	FINANCIAL INFORMATION
	Security Estimate completed using the Reclaim 7.0 calculator as obtained from the Mackenzie Valley Land and Water Board for use in the GNWT. Calculated Security: \$196,000
	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 <i>Mine Site Reclamation Policy for Nunavut</i> , Indian and Northern Affairs Canada, 2002.
	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.
21.	SECURITY INFORMATION
Multip	Kevin Taylor, Land Development Officer le discussions with Cambridge Bay council to agree upon use of hamlet land.
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. Hamlet of Cambridge Bay—Jim MacEachern, Community Development Officer
	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).
19.	INUIT WATER RIGHTS
18.	WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER None anticipated.
17.	PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES: No significant impact to environment is anticipated. Water in the containment area will be held/treated until analytical results confirm discharge criteria is met. Applicable discharge criteria has been provided by GN Department of Environment. Discharge will be completed by notifying regulator and agreeing upon suitable discharge schedule and location, and proceeding to pump water to surface at a controlled rate to avoid erosion. Local drainage patterns are expected to lead towards
	Date (expected date) of issuance: Date of expiry:
	Project Activity:
	Administering Agency:
	Authorization:
	provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

	Attached.				
23.	STUDIES UNDERTAKEN TO DATE – Baseline soil and groundwater sampling to occur at the site prior to construction of facility. Archaeological search completed April 18, 2016.				
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: June 2017 (month/year) Proposed Completion Date: July 2017 (month/year) Operation				
	Proposed Start Date: July 2017 Proposed Completion Date: July 2022 (month/year) (month/year)				
	Closure Proposed Start Date July 2022 Proposed Completion Date: September 2022 (month/year) (month/year)				
	Proposed Start Date: September 2022 Proposed Completion Date: June 2023 (month/year) (month/year)				
	For each applicable phase of development indicate which season(s) activities occur.				
	Construction ☐ Winter X Spring X Summer ☐ Fall ☐ All season				
	Operation □ Winter □ Spring □ Summer □ Fall X All season Closure □ Winter □ Spring X Summer X Fall □ All season				
	Post - Closure Winter Spring X Summer Fall All season				
25.	PROPOSED TERM OF LICENCE				
	Number of years (maximum of 25 years): 6 years				
Requested Date of Issuance: June 1, 2017 Requested Expiry Date: June 1, 2023					
water licensing licensing licence a respond	quested 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 cence application. These timeframes are approximate and do not account for the time to complete any pregland 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 to requests for additional information. See the NWB's <i>Guide 5: Processing Water Licence Applications</i> for formation)				
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.			
treatme	ent and methods, ovided. Annual re	along with volumes of soil	nter/snow received and the source gener and water removed. All analytical result per company standards, using the NWB e NWB.	s will be tabulated
27.	CHECKLIST – begin.	The following must be inclu	uded with the application for the water lic	ensing process to
		ation from the NPC confirm been addressed.	ning that NPC's requirements regarding I	and use plan
	✓ Yes	□No	If no, date expected	
		ation from the NIRB confirm	ning that NIRB's requirements regarding	development
	✓ Yes	□No	If no, date expected	
	Completed Gen	eral Water Licence Applica	ation form.	
	✓ Yes	□No	If no, date expected	
	Information add	ressing Supplemental Info	rmation Guideline (SIG) where applicabl	e (see Block 11)
	✓ Yes	□No	If no, date expected	
	English Summa	ry of Application.		
	✓ Yes	□No	If no, date expected	
	Inuktitut and/or	Inuinnaqtun Summary of A	application.	
	✓ Yes	□No	If no, date expected	
	Application Fee	of \$30.00 CDN (Payee Re	eceiver General for Canada).	
	Yes	✓ No	If no, date expected November 14, 201	6
	use fee will be	calculated by the NWB I	Payee Receiver General for Canada). based upon the amount of water authorie of issuance of the licence.	
	☐ Yes	✓ No	If no, date expected November 14, 2010	6
28.	SIGNATURE			
			. 0 .	
Jos	n Foster	Project Manager	<u>ncl</u> tch	Nov.8/2016
1	Name (Print)	Title (Print)	Signature	Date