Section 1 General Water License Application



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

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DOCUMENT MANAGEMENT

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DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document	June 2010
(0)	from NWB Guide 4	11 0011
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
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(4)		
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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)						
APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)					
Natalie Plato, P. Eng. Director, Contaminated Sites Program Department of Indian & Northern Affairs Development (DIAND)	SAME AS IN BLOCK 1 Phone:					
P.O. Box 2200, Iqaluit, NU X0A 0H0 Phone:(867) 975 4730 Fax:(867) 975 4736 e-mail:natalie.plato@aandc-aadnc.gc.ca_	Fax: e-mail: (Attach authorization letter.)					
3. NAME OF PROJECT (including the name of the CAM-A (Sturt Point) DEW Line Site Remediation Project						
4. LOCATION OF UNDERTAKING						
Project is located 80 Km East of Cambridge Bay, Nunav	vut). Project extents (corner coordinates) are:					
Project Extents						
NW: Latitude: (68° 48' 18.90" N) Longitude: (103° 23' 19.86" W) NE: Latitude: (68° 48' 16.33" N) Longitude: (103° 18' 52.30" W) SE: Latitude: (68° 46' 55.65" N) Longitude: (103° 18' 58.42" W) SW: Latitude: (68° 46' 58.24" N) Longitude: (103° 23' 25.71" W)						
See Appendix F						
Camp Location(s)						
Latitude: (68° 47' 58.24 " N) Longitude: (103° 2'	1' 3.06" W) – See Appendix F					
5. MAP - Attach a topographical map, indicating th	ne main components of the undertaking.					

See features	67B13 Parker Bay NTS MAP Sheets 1:50,000 ap Sheet No.: Map Name: Map Scale: a Appendix F and Figure 2 of Appendix C1 and C2. These appendices also contain the site as – station area, module train section, barrel areas, beach POL, station POL, Landfills/dumps, areas and so on.			
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: <u>March 31, 2013</u> Date of expiry: <u>March 31, 2016</u> (renewable for the life of the project)			
✓ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA) Date (expected date) of issuance: <u>March 31, 2013</u> Date of expiry: <u>March 31, 2014</u> (renewable annually for the life of the project)				
	☐ 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:			
	Other: Date (expected date) of issuance: Date of expiry:			
Name o	of entity(s) holding authorizations: Department of Indian Affairs and Northern Development			
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 iss If No, provide written or is not required. (See A)	onfirmation from NPC of	confirming that a land use plan conformity review C - Appendix H)		
8.	NUNAVUT IMPACT R	EVIEW BOARD (NIRB) DETERMINATION		
	Is an Article 12 Part 4 s	screening determination	n required?		
	✓Yes	□No	Application is in Process		
	If Yes, indicate date iss If No, provide written correquired.	sued and attach copy $_$	confirming that a screening determination is not		
9.	DESCRIPTION OF UN	DERTAKING – List an	d attach plans and drawings or project proposal.		
	 Enhancement of acc Camp set-up and ope Hazardous material r Building and structure 	ization of equipment, mess routes and site routeration emoval, handling and the demolition rials / Debris consolidation or removal of control overburden materials	ransportation tion and disposal taminated soil		
	All site remediation activities will take place on Crown Land. There will be no activities on Inuit Owned Lands (IOL). However, AANDC is processing an IOL Access Permit, should the successful contractor decide to mobilize / demobilize by Cat Train from or via Cambridge Bay to CAM-A passing through IOL.				
S	Appendix B – CAM-A	(Sturt Point) Phase III (Sturt Point) Remedial A Project Schedule	ary in English, Inuktitut, and Inuinnaqtun Environmental Site Assessment Report Action Plan (RAP).		
10.	OPTIONS – Provide a	brief explanation of the	alternative methods or locations that were		
	considered to carry out	the project.	ng cleaned up by DIAND.		
the R stream of con can b dispo	emedial Action Plan (Apportunion) m. For example, non-hazion taminant migration) can be excavated and relocated	endix C). The technical ardous waste landfills (be left in place and regr d to an engineered land , the landfills will be left	and evaluated, for each waste stream at the site, in ally superior option is adopted for each waste in suitable/stable location, and with no evidence raded as required for erosion protection or landfills affill or shipped out to the a southern facility for the in place and regarded, as this is the most all waste streams.		
11.		PRIMARY UNDERTA	KING - Indicate the primary classification of		
	☐ Industrial		☐ Agricultural lling/exploration camps)		

	☐ Conservation☐ Municipal (includes camps/lodges)	Recreational
	Power	✓ Miscellaneous (describe below):
	See Site Remediation (Remote Camp Suppler (Section 2)	mentary Questionnaire Completed and enclosed)
	See Schedule II of Northwest Territories Waters	s Regulations for Description of Undertakings.
	Information in accordance with applicable Supp submitted with a New Water Licence Applicatio application.	
	☐ Hydrostatic Testing ☐ Tannery	
	✓ Tourist / Remote Camp	
	✓ Landfarm & On-Site Storage of Hydrocarbo ☐ Onshore Oil and Gas Exploration Drilling ☐ Mineral Exploration / Remote Camp ☐ Advanced Exploration ☐ Mine Development ☐ Municipal	on Contaminated Soil
	☐ Municipal ☐ General Water Works	
For he	Power	orage of Hudragarhan Contaminated Sail places and
the su 2). Ad	pplementary information in the enclosed "Remot	orage of Hydrocarbon Contaminated Soil please see e Camp Supplementary Questionnaire Form". (Section mp and landfarm are, also, contained in Appendix B
12.	WATER USE - Check the appropriate box(s) to applied for.	o indicate the type(s) of water use(s) being
	 ✓ To obtain water for camp/ municipal purpose ☐ To obtain water for industrial purposes ☐ To cross a watercourse ☐ To alter the flow of, or store water ☐ Other: 	es To divert a watercourse To modify the bed or bank of a watercourse Flood control
13.	Block 12, provide the source of water, the qual	ers per day, method of extraction, as well as the
	Name of water source(s) (show location(s) on n	nap):
	Fresh Water Lake (North of the Site - See App	endix F – Site Maps and Features)
	Describe the quality of the water source(s) and	the available capacity:
criteria	a for the Guidelines for Canadian Drinking Water	ntal Site Assessment. For the collected samples, the Quality (CDWQ) (May 2008) were met for most ds (TDS). Due to the seasonal nature of coliform

concentrations in surface water bodies, no coliform samples were collected. To use this source for drinking, coliform testing will be conducted on a regular basis throughout the construction season and further testing will be carried out for the parameters that were exceeded. If the results from the analysis of the freshwater lake samples continue to exceed the parameters for the Guidelines for Canadian Drinking Water Quality, drinking water will be brought into site until a water treatment system can be implemented for the duration of the remediation program. More details in Appendices B and G

drinkin	ake samples continue to exceed the parameters for the Guidelines for Canadian Drinking Water Quality, Irinking water will be brought into site until a water treatment system can be implemented for the duration of the remediation program. More details in Appendices B and G						
The lal	he lake has sufficient capacity to meet water needs.						
	Provide the ov	erall estimated quanti	ty of water to be used	: <u>20</u>	m³/day		
	Provide the es	timated quantity(s) of	water to be used from	n each source:			
	There is only s	source. Quantity to be	used is 20 m3/day				
	Indicate the es	timated quantities to I	pe used for each purp	ose (camp, drilling, e	tc.)		
	Water for cam	p use. ~ 7 m3/day; W	ater for construction ~	13 m3/day			
	Describe the n	nethod of extraction(s):				
	Water will be pumped out of the Fresh Water Lake into a hose fitted with end screen to prevent fish from becoming trapped. The water will be transported through the hose into a storage and/or to a truck that transports the water into the storage reservoir for use on site.						
	Estimated qua	ntity(s) of water return	ned to source(s)	0	m³/day		
14.	Describe the quality of water(s) returned to source(s): N/A - Used water will not be returned to source; it will be discharged into a waste treatment facility - a temporary lagoon built to treat wastewater generated on-site (more details contained in the exploration and remote camp questionnaire WASTE - Check the appropriate box(s) to indicate the types of waste(s) generated and						
	deposited.		-				
	✓ Sewage ✓ Waste oil						
	✓ Solid Waste ✓ Greywater ✓ Hazardous □ Sludges						
			☐ Sludges	ad acil and/ar water			
	■ Bulky Items/Scrap Metal ■ Animal Waste ■ Other (describe):						
See:		Exploration and Rem CAM-A (Sturt Point) R	ote Camp Supplemen emedial Action Plan.	tary Questionnaire			
15.	QUANTITY A	ND QUALITY OF WA	ASTE INVOLVED – For				
	method of dis		quantity in cubic mete	orazy, memod or ne	atmont and		
	pe of /aste	Composition	Quantity Generated	Treatment Method	Disposal Method		
Sewa		Black Water	50 litres/day x 40 people (max) = 2,000 litres/day	Sewage Lagoon	Sewage Lagoon		

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Collected in

Shipped south

< 600 l

Oil

Waste Oil

			drums	for recycling and/or disposal
Solid Waste	Camp waste (Paper, packaging, food, etc.)	1.0 cubic metre per day	Incineration (combustibles only)	Packaged and shipped off-site for disposal
Greywater	Grey Water	100 litres/day x 50 people (max) = 5,000 litres/day	Sewage Lagoon	Sewage Lagoon
Hazardous Waste – Asbestos	Asbestos containing tiles, insulation, etc.	Quantity to be determined as generated and reported in annual reports	Double bagged	Packaged and shipped off- site for disposal
Hazardous Waste – PCBs, Heavy Metals	Items contaminated with PCBs and Heavy Metals	Quantity to be determined as generated and will be reported in annual reports	Material will be packaged as per the requirements of the Transportation of Dangerous Goods Regulations	Shipped south for treatment and/or disposal at Licenced Hazardous Waste Facilities
Contaminated Soil – Tier I	Soil lightly contaminated with inorganic elements and/or PCBs	Quantity to be determined as generated and will be reported in annual reports	Packaged and shipped south for disposal	Packaged and shipped south for disposal

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:	
Administering Agency:	
Project Activity:	
Date (expected date) of issuance:	Date of expiry:

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

Environmental Impact Assessment was completed for CAM-A (Sturt Point) and is included in Appendix G.

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.

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).

N/A

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.

A community meeting was held on February 3, 2011 in Cambridge Bay, the nearest community to the CAM-A. The meeting was well advertised in town, on the radio and through posters posted around the community. It was attended by 10 adults and several young adults. The Crown representative at the meeting presented the proposed plans for the remediation of the CAM-A site and satisfactorily answered questions raised by the attendees. The presentation along with questions section lasted about an hour and a half. There were no concerns presented during the meeting.

The translator was there and provided translation (in Inuinnagtun) during the meeting.

Additional consultation activities are planned as the project progresses.

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.

N/A

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.

N/A

23.	STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.				
	Environmental Site Investigation and Assessments (Appendix B)				
	Remedial Action Plan (RAP) (Appendix C)				
	 Environmental (Impact) Assessment (Screening level) (Appendix G) 				
24.	PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).				
	<u>Construction</u> Proposed Start Date: <u>July 2013</u> (month/year) Proposed Completion Date: <u>September 2014</u> (month/year)				
	Operation Proposed Start Pate: Value 2012 Proposed Completion Pate: Contember 2014				
	Proposed Start Date: Proposed Completion Date: September 2014 (month/year) (month/year)				
	<u>Closure</u> Proposed Start Date: <u>October 2014</u> Proposed Completion Date: <u>March 2015</u>				
	(month/year) (month/year) Post - Closure				
	Proposed Start Date:April 2015 Proposed Completion Date:March 2016				
	(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 (Winter activities if Cat Train)				
	Post - Closure				
	☐ Winter ☐ Spring ☑ Summer ☑ Fall ☐ All season				
25.	PROPOSED TERM OF LICENCE				
	Number of years (maximum of 25 years): years				
	Requested Date of Issuance: <u>March 2013</u> Requested Expiry Date: <u>March 2018</u>				
	(month/year) (month/year)				
licence a water lic 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 sence 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 ormation)				

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. Will use NWB's Standardized Form for Annual Reporting				
27.	CHECKLIST – The begin.	CHECKLIST – The following must be included with the application for the water licensing process to begin.			cess to
	Written confirmation conformity have be	on from the NPC conf een addressed.	îrming that NPC's requiren	nents regarding land use pla	an
	✓Yes	□No	If no, date expected _		
	Written confirmation impact assessmer	on from the NIRB con at have been address	firming that NIRB's require ed.	ments regarding developme	ent
	∐Yes	☑ No	If no, date expected	Application in Process	
	Completed Genera	al Water Licence App	lication form.		
	✓Yes	□No	If no, date expected		
	Information addres	ssing Supplemental Ir	nformation Guideline (SIG)	, where applicable (see Blo	ock 11)
	✓Yes	□No	If no, date expected		_
	English Summary	of Application.			
	✓Yes	□No	If no, date expected		
	Inuktitut and/or Inu	innaqtun Summary o	f Application.		
	✓Yes	□No	If no, date expected		
	Application Fee of being made by a L	\$30.00 CDN (Payee Department of the Go	Receiver General for Cana vernment of Canada	ada). N/A - This application	is
	Yes	□No	If no, date expected		_
	fee will be calculate with the Regulation	ed by the NWB based	d upon the amount of water ance of the licence. N/A -	for Canada). The actual war authorized for use in accor This application is being ma	rdance
28.	SIGNATURE				
	Natalie Plato	Director, Contar Sites	1 /ah	LOCK Postobe	
	Name (Print)	Title (Pri	nt) 🥌 🐪 Sign	ature Dat	е