

# 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
	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)		
(8)		
(9)		
(10)		



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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)		
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different	
Dunnedin Ventures Inc	from Block 1 (name, address)	
302-750 West Pender Street	Coast Mountain Geological Ltd	
Vancouver, B.C. V6C 2T7	620-650 West Georgia Street	
	Vancouver, B.C. V6B 4N9	
Phone: <b>604 681 0084</b>	Phone: <b>604 681 0209</b>	
Fax: <b>604 681 0094</b>	Fax: <b>604 687 4670</b>	
e-mail:kemp_656@hotmail.com	e-mail:kemp_656@hotmail.com	
	(Attach authorization letter.)	
3. NAME OF PROJECT (including the name of the	project location)	
Kahuna Diamond Project located in the Kivalliq Region of Nunavut.		
4. LOCATION OF UNDERTAKING		
Project Extents		
NW: Latitude: (63°12'18.89"N) Longitude: (91°29'14.38"W) NE: Latitude: (63°12'26.27"N) Longitude: (90°56'36.93"W) SE: Latitude: (63°02'58.96"N) Longitude: (90°56'30.39"W) SW: Latitude: (62°59'53.86"N) Longitude: (91°29'3.18"W)		
Camp Location(s) NA		
Latitude: ( ° ' "N) Longitude: ( ° '	" W)	
5. MAP - Attach a topographical map, indicating the	e main components of the undertaking.	

	Map Sheet No.: 550 Map Name: Chesterfield Inlet Map Scale: 1:250,000		
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		
	X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: AANDC Amendment application in Progress. Date of expiry: Pending Notification.		
	☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)  Date (expected date) of issuance: Date of expiry:		
X☐ IOL Authorization from Kivalliq Inuit Association (KivIA)  Date (expected date) of issuance: KIA Class III Land Use Application in Progress. Date expiry: Pending Notification			
	☐ 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	of entity(s) holding authorizations:  Will be held by Dunnedin Ventures Inc		
7.	NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION		
	Indicate the land use planning area in which the project is located.		
	□ North Baffin X Keewatin		
	South Baffin Sanikiluaq West Kitikmeot		
	Is a land use plan conformity determination required?		
	X Yes		
	If Yes, indicate date issued and attach copyJanuary 7, 2016  If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.		

•		ADD (4400) DETERM	WATER A
8.	NUNAVUT IMPACT REVIEW BC	OARD (NIRB) DETERM	INATION
	Is an Article 12 Part 4 screening of	determination required?	
	X Yes	□No	
	If Yes, indicate date issued and a If No, provide written confirmation required.		that a screening determination is not
9.	DESCRIPTION OF UNDERTAKE	NG - List and attach pl	ans and drawings or project proposal.
	Executive Summary in English Executive Summary in Inuktitude Detailed Project Description an Abandonment and Reclamation Environment and Wildlife Mana Spill Prevention and Response Non Technical Project Summar Non Technical Project Summar Water License Application in En Water License Application in In 1:250,000 Location Map, Kahun	d Work Plan.  Plan. gement Plan. Plan y in English y in Inuktitut nglish uktitut	
10.	work needs to be performed to be conducted in areas that have	t. ve yet to be determind properly delineate the e sufficient historical cessary disturbances	ed as additional reconnaissance e targets. Diamond drilling will only data and/or preliminary exploration s. Once the specific targets have
11.	CLASSIFICATION OF PRIMARY undertaking by checking one of the		icate the primary classification of
	☐ Industrial  X☐ Mining and Milling (includes ☐ Conservation ☐ Municipal (includes camps/lode ☐ Power		☐ Agricultural exploration camps) ☐ Recreational ☐ Miscellaneous (describe below):
	See Schedule II of Northwest Terr	itories Waters Regulation	ons for Description of Undertakings.
			nformation Guidelines (SIG) must be which SIG(s) are applicable to your

	<ul> <li>☐ Hydrostatic Testing</li> <li>☐ Tannery</li> <li>☐ Tourist / Remote Camp</li> <li>☐ Landfarm &amp; On-Site Storage of Hydrocarbon Contaminated Soil</li> <li>☐ Onshore Oil and Gas Exploration Drilling</li> <li>X ☐ Mineral Exploration / Remote Camp</li> <li>X ☐ Advanced Exploration</li> <li>☐ Mine Development</li> <li>☐ Municipal</li> <li>☐ General Water Works</li> <li>☐ Power</li> </ul>		
2.	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 To other: _Diamond Drilling		
3.	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):  Numerous unnamed water sources within the boundary of the Kahuna Claim Group could be utilized as a water source. If smaller lakes are used, the level of the water in the reservoir will NOT be drawn down.  Describe the quality of the water source(s) and the available capacity:  Water quality will be pristine. Care will be taken to ensure that water is drawn from bodies with sufficient capacity in order to avoid impact on lake level or flow.		
	Provide the overall estimated quantity of water to be used: For drilling activities, water usage is 50m³/day. No camp is being permitted so there is no water usage for camp purposes.  Provide the estimated quantity(s) of water to be used from each source: This will depend on the number of drill holes collared at each location. On average a drill hole will take 3 days to complete so the estimated quantity of water used from each source is 150m³. No water source will be drawn down.		
	Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)  Diamond Drilling:		

	Describe the method of extraction(s): The drill pumps use a 1 inch inside screen on the foot valve. For drillin size of less than 1/16 inch opening the intake of silt and sand into the addition it is common practice to p litre pail which further protects aga the water intake hose.	g, a fiber glass window screen w is generally wrapped around the oump which can cause considera lace the foot valve of the intake h inst harmful materials and fish b	ith a nominal opening foot valve to prevent able damage. In lose in a perforated 20
	Estimated quantity(s) of water returne	d to source(s)NIL	m³/day
14.	Describe the quality of water(s) return Drill water will not be directly return infiltration into the soil and will be mark of any nearby water source.  WASTE – Check the appropriate box	ned to its source, but directed into ocated at least 31 meters away f	rom the high water
	deposited.		
	☐ Sewage	X ☐ Waste oil	
	Solid Waste	Greywater	
	Hazardous	X Sludges (Drill cuttings)	-1
	X Bulky Items/Scrap Metal  ☐ Animal Waste	Contaminated soil and/or	water
			······································
15.	QUANTITY AND QUALITY OF WAS	STE 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	Composition	Quantity	Treatment	Disposal
Waste		Generated	Method	Method
Waste Oil	Used oil from	Minimal	Stored in	Removed a

Waste		Generated	Method	Method
Waste Oil	Used oil from drill equipment	Minimal	Stored in sealed containers	Removed and taken to an approved recycling or disposal site.
Sludges	Drill cuttings	Minimal	Drill sludge will be collected in a sump located beside the drill where drill cuttings will be collected/dep osited. Sump located at least 31m away from the high water mark of any nearby	Drill cutting sediment will be buried in the sump

		water body.	
Bulky items/scrap metal	Empty barrels/fuel drums	Stored and subsequently removed	Removed and taken to approved disposal site.

**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: KIA Right Of Way Licence

Administering Agency: Kivalliq Inuit Association

Project Activity: Overland Winter Trail

Date (expected date) of issuance: **Pending** Date of expiry: \_\_\_\_\_

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

All potential environmental effects associated with the Kahuna Diamond project are considered minor, localized effects that can be mitigated. No residual impacts to the environment are expected to occur as a result of the implementation of this program. Proper training of all staff and contractors will be enforced to ensure the well being of the environment, wildlife and personnel. A Detailed Project Description and Work Plan outlines the procedures for completing the various work type activities being proposed including diamond drilling and bulk sampling. Included with the submission is a Spill Prevention and Response Plan, Environment and Wildlife Management Plan and Abandonment and Restoration Plan have been prepared and submitted and will be reviewed and followed by onsite personnel. Response procedures will be initiated and practiced.

Table 1: Potential Impacts and Proposed Mitigation Measures			
Resource/Topic Potential Impact Mitigation			
	Overburden drilling will cause minor disturbance to immediate drill areas.	Drill rigs are heli-portable and will not traverse the ground surface.	
Terrain / Permafrost	Contamination of terrain/permafrost and surface and ground water due to fuel spills	Site will be left in a stable state	
	Accidental Fuel Spills	Proper storage of fuel containers and use of drip pans.	
Hydrology	Water removal required from local water bodies for drilling.	Water use will be monitored to ensure water drawdown will be negligible. Flow meters to be installed at the drill and will be monitored and recorded daily.	
Surface Water Quality	No discharge to receiving water environment, negligible sedimentation	No Mitigation required	
Fish and Fish Habitat	Entrainment of fish and other aquatic life from water withdrawn for drilling	Use of screens over intake pipe to prevent entrainment of fish as per DFO Freshwater Intake End-of-Pipe Fish Screen Guidelines	
Vegetation	Minor compaction of vegetation caused by drill timbers	Drill rigs are heli-portable and will not traverse the ground surface.	
Wildlife and Wildlife Habitat	Wildlife: Short term aircraft and drilling noise, human interaction.  Habitat: Minor disturbance to vegetation in drilling areas by compaction	Personnel training on wildlife-human interactions/encounters.  Pre-drilling reconnaissance site visit prior to drilling activities will assist in identifying sensitive wildlife habitat.  Site will be left in a stable state, promoting revegetation.  Any critical or sensitive wildlife species encountered during the drilling season will be avoided by a 10m buffer zone.  Work programs will be timed to avoid significant wildlife periods such as caribou calving. All work in area will cease should caribou move into the area during active work programs.  Wildlife Sighting Forms will be completed on an as viewed basis.	
Wildlife and Wildlife Habitat	Disturbance of Wildlife from low- level aircraft activities	Low level aircraft will be restricted to flights to and from the drill for crew changes and delivery of supplies.	
Socio- economics	Positive impacts. Personnel actively employed from local communities. Local Inuit business engagement.	N/A	

### 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.

No existing water licence holders are known. No significant adverse effects of water use are anticipated. Work will be conducted in a socially and environmentally responsible manner to ensure that no impact to local water bodies occurs and that water quality is not compromised.

#### 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).

Water utilized in this project includes both Inuit Owned Lands and Crown lands. There will be no effect on the water quality. As required, a standard performance bond will be registered with the Kivalliq Inuit Association.

**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.

As the Kahuna Diamond project is still very early stage, only preliminary discussions/consultations have taken place thus far. A plain language summary of the proposed work has been produced, translated into Inuktitut and submitted for distribution. Dunnedin Ventures would welcome the opportunity to provide a more detailed presentation discussing their proposed project if requested to do so. Annual reports will be sent to the various government agencies as the program continues. These documents are available to the public.

### 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.  Since Dunnedin is not utilizing a remote camp site due to its close proxi the restoration costs are estimated to be \$20,000. Please see the att Abandonment and Reclamation Plan.	
22.	FINANCIAL INFORMATION	
	Provide a statement of financial responsibility.  Dunnedin's Interim Consolidated Financial Statement is attached.	
	If the applicant is a business entity, provide a list of the officers of the company.  Current Officers of Dunnedin Ventures Inc: Christopher Taylor CEO, Director Tony Ricci CFO, Director Patrick McAndless Director Dr Gilles Arseneau Director Gary Schellenberg Director	
	If the applicant is a business entity attach a copy of the Certificate of Incorporative registration of the company name. <b>As Attached</b>	ion or evidence of
23.	STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, report	s, research, etc.
	No studies have been performed on the Kahuna Diamond project.	
24.	PROPOSED TIME SCHEDULE – Indicate the proposed start and completion of applicable phase of development (construction, operation, closure, and post closure).  Construction No Construction phase is required, no camp established on	osure).
	Proposed Start Date: Proposed Completion Date:	
	(month/year) Operation	(month/year)
	Proposed Start Date:March 2016 Proposed Completion Date: Septemble (month/year)	month/year)
	Closure To Be Determined Proposed Start Date:Proposed Completion Date:	
	(month/year) Post - Closure	(month/year)
	Proposed Start Date: <b>Unknown</b> Proposed Completion Date: <b>Unknow</b> (month/year)	vn (month/year)
	For each applicable phase of development indicate which season(s) activities	occur.
	Construction         ☐ Winter       ☐ Spring       ☐ Summer       ☐ Fall       ☐ All season	
	Operation  Winter X Spring X Summer X Fall All season	
	Closure         ☐ Winter       ☐ Spring       ☐ Summer       X ☐ Fall       ☐ All season	
	Post – Closure To Be Determined	

	☐ Winter ☐ S	Spring Summ	ner	
25.	PROPOSED TER	M OF LICENCE		
	Number of years	(maximum of 25 y	years): <b>5</b> years	
	Requested Date of		ch 2016 Requested Expiry Date:December 2021 month/year) (month/year)	
water licensing license a respond	(The requested date of issuance must be <u>at least</u> three (3) months from the date of application for a type B water licence 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 water licence application. These timeframes are approximate and do not account for the time to complete any prelicensing 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 <i>Guide 5: Processing Water Licence Applications</i> for more information)			
26.	details regarding treport.	the content of anr	ng the NWB's <u>Standardized Form for Annual Reporting</u> , provide nual reports and a proposed outline or template of the annual n for Annual Reporting will be utilized.	
27.	CHECKLIST - The begin.	ne following must	be included with the application for the water licensing process to	
	Written confirmati conformity have b		confirming that NPC's requirements regarding land use plan	
	X Yes	□No	If no, date expected	
	Written confirmati impact assessme		confirming that NIRB's requirements regarding development lressed.	
	Yes	X No	If no, date expected _Pending	
	Completed Gener	ral Water Licence	Application form.	
	XYes	□No	If no, date expected	
	Information addre	ssing Supplemen	ntal Information Guideline (SIG), where applicable (see Block 11)	
	Yes	□No	If no, date expected	
	English Summary	of Application.		
	X Yes	□No	If no, date expected	
	Inuktitut and/or I	nuinnaqtun Summ	nary of Application.	
	Yes	□No	If no, date expected	

	Application Fee of \$30.00 CDN (Payee Receiver General for Canada).					
	X Yes	□No	If no, dat	e expected		
	Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual was fee will be calculated by the NWB based upon the amount of water authorized for usuccordance with the Regulations at the time of issuance of the licence.					
	X Yes	☐ No	If no, date	If no, date expected		
28.	SIGNATURE					
	Rick Kemp	Project Ma	nager	"Rick Kemp"	01/22/16	
	Name (Print)	Title (Pri	int)	Signature	Date	