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kNK5 wmoEp5 vtmp5 NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYIT OFFICE DES EAUX DU NUNAVUT

## APPLICATION FOR APPROVAL FOR THE USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE

Refer to the <u>Guide to the Approval for the Use of Water or Deposit of Waste Without a Licence</u> (Guide) in completing this Application.

APPLICATION NO:				
(for NWB use only)				
1. APPLICANT CONTACT INFORMATION (name, address)	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)			
Derek Mueller,	( 1 2,111 112,			
Department of Geography and Env. Studies				
Carleton University				
1125 Colonel By Drive	Phone:			
Ottawa ON K1S 5B6	Fax:			
	e-mail:			
Phone:613-520-2600x1984	(Attach authorization letter)			
Fax:613-520-4301				
e-mail:derek.mueller@carleton.ca				
3. NAME OF THE OWNER OF THE LAND THAT WILL BE USED IN RELATION TO THE WATER TO BE USED OR THE WASTE TO BE DEPOSITED  Crown Land				
4. NAME OF PROJECT (consistent with the name agencies)	e of the project issued by other regulatory			
Arctic Coastal and Drifting Ice Processes and Dynamics	3			
5. LOCATION OF UNDERTAKING				
Milne Fiord, Petersen Bay Ayles Fiord, and Yelverton Inlet, Nunavut				
Project Extents (decimal degree format)				
NW 82.5°N	85.5°W			
NE 83.0°N				
INE OS.U IN	80.0°W			
SE 82.1°N	80.0°W 76.0°W			

Camp I	Location(s) (decimal degree format)	
oup	Purple Valley Summer Strip  Milne Ice Shelf	82.463°N, 80.729°W 82.720°N, 81.481°W
Name of the Gui	of the Water Management Area in which the Unde	rtaking is located. (Please see Appendix D of
6	S1 Arctic Ocean / Lincoln Sea	
6.	Previous Approvals or Licences Associated with Approval Without a Licence)  NA or	Undertaking ("Type A", "Type B" or
	Previous Licence/Approval Number: Approval W	thout a Licence 8WLC-IDC2223
	The Board reminds the Applicant that as stated or cancellation of any previous licence does no outstanding obligations imposed under the licen	t relieve the holder from any
7.	CLASSIFICATION OF UNDERTAKING - Indicate the one of the following boxes.	ne classification of undertaking by checking
	☐ Industrial ☐ Mining ☐ Conservation ☐ Municipal Scientific Research	☐ Agricultural ☐ Recreational ☐ Power X Other: (describe)
	See Appendix C of the Guide for descriptions of class	sifications of undertakings.
8.	<b>DESCRIPTION OF UNDERTAKING AND EQUIPM</b> the undertaking including a description of any equip depositing waste.	
maintai	e researching the glaciology, oceanography and climatining measurement instruments that are installed in Manual We use radar to look at ice thickness and we monited	ilne Fiord and on glaciers/ice shelves/mountain

9.	SCHEDULE – Applicants are advised that approvals without a licence are issued for a one year term.				
	Proposed Start Da	te:4 <u>/7/23</u> F (Day/Month/Year)	Proposed Completion Date:	24/7/23 (Day/Month/Year)	
10.	<b>TYPE OF USE OF WATER WITHOUT A LICENCE PROPOSED</b> - Check the box that applies to the type of water use proposed. If none of the water uses listed below applies to the proposed water use, an application for a water licence will be required. See the NWB's <u>Guide 4</u> - <u>Completing and Submitting a Water Licence Application for a New Licence</u> .				
	construction of		undertaking and for a use course that is less than 5 m n.		
	For an undertak of an intermitter		dertaking and for a use of w	ater related to the training	
			dertaking and for a use of was wide at the ordinary high w		
	of a watercours		dertaking and for a use of words the watercourse, if the wares.		
			dertaking and for a use of wo blacement of less than 100 i		
			dertaking and for a use of www. watercourse for the purpose		
	For an undertaking other than a Power undertaking and for any use of water related to the storage of 2,500 m3 or less.				
X	${f X}$ For an undertaking other than a Power undertaking and for any use of water less than 50 m <sup>3</sup> per day.				
11.	Block 10, provide t		<b>DLVED</b> - For each type of w imated quantity to be used in extracted.		
	Type of Water Use Name of water Estimated quantity Periods during indicated in Block source of water to be which water will				

10		used in cubic metres per day	be extracted
Camping/sampling	Stream next to airstrip	0.05	July 4-10, 19-24
Camping/sampling	Milne Ice Shelf meltwater	0.05	July 10-19

d d	YPE OF DEPOSIT OF WASTE PROPOSED - Check the box that applies to the type of eposit of waste proposed. If none of the deposits of waste listed below apply to the proposed eposit of waste, an application for a water licence will be required. See the NWB's <u>Guide 4 – Completing and Submitting a Water Licence Application for a New Licence</u> .
	For an Industrial undertaking, for an activity related to hydrostatic testing or cleaning of storage tanks and pipelines, and for any deposit of waste resulting from hydrostatic testing or cleaning of unused storage tanks or pipelines.
	For an Industrial undertaking, for an activity related to quarrying and gravel washing, and for any deposit of waste that is not deposited to surface water and that results from quarrying or gravel washing above the ordinary high water mark.
	For a Mining undertaking, for an activity related to exploratory work, any deposit of sewage to a sump.
	For a Power undertaking, any deposit of sewage to a sump.
	For an Agricultural undertaking, any deposit of sewage to a sump.
	For a Conservation undertaking, any deposit of sewage to a sump.
	For a Recreation undertaking, any deposit of sewage to a sump.
X	For any Other type of undertaking not listed above, other than Municipal, any deposit of sewage to a sump.

13. QUANTITY AND QUALITY OF WASTE INVOLVED – For each type of waste indicated in Block 12, describe the quantity in cubic metres/day, measures to avoid or mitigate adverse impacts, and periods of deposition.

Type of Waste indicated in Block 12	Quantity to be deposited in cubic metres per day	Measures to avoid or mitigate any adverse impacts	Periods during which waste will be deposited
Greywater/Urine	0.05	Dumping to sump area away from water bodies	July 5 to 24
Solid waste/garbage	0	Removal from site	NA

14. SIGNATURE				
J. Davels M	allan	(maint n.e.		
I, <u>Derek M</u> this form is, to the best of n	ny knowledge, correct and	(print na complete.	me), ceruiy ma	t the information given on
	<b>X</b> Yes		□No	
		OR		
l,		(pı	rint name), as a	an authorized
representative of the Applic information given on this fo	cant, orm is, to the best of my kno	owledge, corr	ect and comple	, certify that the tte.
	□Yes		□No	
I certify that the Nunavut P Nunavut Land Claims Agre		use planning	requirements	under Article 11 of the
	<b>X</b> Yes		□No	
I certify that the Nunavut In of the NLCA have been me	•	lopment impa	act review requ	irements under Article 12
	<b>X</b> Yes		□No	
I certify that the proposed v further specified by column				
	X Yes	□NA	□No	
I certify that the proposed deposit of waste is an activity that is set out and then further specified in columns 2 and 3 of Schedule 3 of the Regulations, in respect of an undertaking that is set out in column 1 of Schedule 3. See list in Block 12.				
	<b>X</b> Yes	□NA	□No	
I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of the watercourse whose waters are used.				
	<b>X</b> Yes		□No	
I certify that the proposed v flow of waters flowing throu		te will not sub	ostantially affec	t the quality, quantity or
	<b>X</b> Yes		□No	
I certify that the proposed v	water use or deposit of was	te will not affe	ect the use of w	vaters by a person who

would be entitled to compensation under sections 58 or 60 of the <i>Nunavut Waters Nunavut Surface Rights Tribunal Act</i> (Act) if their use of these waters were to be adversely affected by an applicant for a licence.				
		<b>X</b> Yes	□No	
I certify that a undertaking.	licence is not required fo	r another use of water, or deposit	of waste in respect of the proposed	
		<b>X</b> Yes	□No	
	nd agree to comply with the value of the state of the sta	he following conditions outlined in	sections 4(3), 5(4), 5(5) and 6 of	
	licant shall respect the priority	mineral right and who intends to use wate conferred on Inuit by section 62 of the Act	rs or deposit waste in relation to that right, as if that applicant had a licence for the use	
		water to minimize any alteration to the be Il be maintained during the operation of the	d or banks of a watercourse whose waters e undertaking.	
3. No was	te is to be deposited to surface	water or within 31 metres of the ordinary h	nigh water mark of any body of water.	
	ste shall not contain more than arbon sheen.	15 milligrams per litre of petroleum or petr	roleum product and must not have a visible	
waste v	5. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of water or deposit of waste without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the water was used or the waste was deposited. <sup>a</sup>			
6. An appla. b. c.	maintain accurate and deta i. the quantity of wa ii. the quantity, in cu iii. the type of waste iv. where the waste i v. the concentration making the depos vi. the methodology vii. the measures tha keep the books and records available during that period submit to the Board a report the site of the undertaking w abandoned, and (ii) the last keep the books and records undertaking.  Notes:	ter, in cubic metres, used each day, bic metres, of waste deposited each day, deposited each day, s deposited, of the substance, or substances, in the delit waste, used to calculate or determine the informat t were taken to avoid or mitigate any advers on the site of the undertaking during the p to an inspector on request; containing a summary description and support of the period authorized for the use or for two years after submitting the report definition.	posited solid or liquid that has the effect of cion referred to in items (i) to (iv), and se impacts of the deposit of waste. eriod of its operation and make them opporting photographs of the restoration of y on which the undertaking is closed or deposit without a licence; b and escribing the restoration of the site of the	
	without a licence, as require that site prior to the end of the	·	or the use of water or deposit of waste on	
	approval for a use of water	bmit the report referred to in Item 6 (c), to to the deposit of waste without a licence, or a line thirty (30) days after the last day of the		
	2	X Yes	□No	
licence will be The use or de	authorized for a period of posit is not authorized un	-	the Board approves the Application. ation and it is only valid as long as	
		X Yes	□No	

	answered "No" to any of the above r to the use of water or deposit		is required from the
	X Yes	□No	
		Deads Wheles	
Derek Mueller Name (Print)	Associate Professor Title (Print)	Signature	2023-04-12 Date