05:54:59 a.m. 03-25-2014

FAX

From:

Claudia Schröder-Adams Professor Dept. of Earth Sciences Carleton University Ottawa, Ontario K1S 5B6 Claudia.schroderadams@carleton.ca

To:

Phyllis Beaulieu, Manager of Licensing Nunavut Water Board P.O. Box 119 Gjoa Haven, NU XOB 1JO

NWB tel; 867-360-6338 ext: 26

(867) 360-6369 Fax:

Re: Application for approval for the use of water or deposit of waste without a licence

Dear Ms. Beaulieu,

I have been unsuccessful in emailing my application. Therefore I hope this fax would reach you. I would appreciate if you could confirm receiving my application.

Thank you and best regards,

Claudia Schröder-Adams

Total Number of pages: 9

March 25, 2014



P.O. Box 119

GJOA HAVEN, NU XOB 1JO TEL: (867) 360-6338 FAX: (867) 360-6369 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.

1.	APPLICANT CONTACT INFOR (name, address)		APPLICANT REPRESENTATIVE CONTACT INFORMATION if different
Claudia	a Schröder-Adams		from Block 1 (name, address)
Dept. c	of Earth Sciences		
Carleto	on University		
Ottawa	ı, Ontario K1S 5B6		
		Phone:	
	: 613-520-2600 ext 1852	Fax:	
	613-520-5613	e-mail:	
e-mail:	Claudia.schroderadams@carleto	on.ca (Attach	authorization letter)
3.	NAME OF THE OWNER OF TH WATER TO BE USED OR THE		
Nunav	ut Crown Land		
4.	NAME OF PROJECT (consister agencies)	nt with the name of the p	roject issued by other regulatory
Cretac	eous High Arctic paleoenvironme	ntal and paleoclimate ch	ange
5.	LOCATION OF UNDERTAKING		
Projec	t Extents (decimal degree form	at)	
NW	79° 0'34.48"N	90°17′18.43″W	
		85°19'37.38"W	
NE	79°51'57.66"N	83 1937.30 W	
NE SE	79°51'57.66"N 78°37'51.47"N	89°51'31.64"W	
			·

Camp I	Location(s) (decimal degree fo	rmat)
	78°37'51.47"N 89°51'31.64"W	Head of Glacier Fiord, Axel Heiberg Island
	79° 0'34.48"N 90°17'18.43"W	Lost Hammer Diapir, Axel Heiberg Island
	79°51'57.66"N 85°19'37.38"W	South of Head of Slidre Fiord, Ellesmere Island
Name of the Gui		in which the Undertaking is located. (Please see Appendix D of
Sverdru	up Islands Watershed (58) and N	ansen and Eureka Sound Watershed (59)
6.	CLASSIFICATION OF UNDER one of the following boxes.	TAKING - Indicate the classification of undertaking by checking
		☐ Agricultural ☐ Recreational ☐ Power X Other: (describe) re to determine how the Arctic region has responded to climate od (144 to 66 Million years ago).
7.		CING AND EQUIPMENT USED – Provide a brief description of cription of any equipment that will be used in using water or
Basin of localities sample activity as food	depositing waste. possed research project address- luring the Cretaceous. We will m is and will take sediment sample we either use a geological hami that will require water is our cool	es paleoenvironmental and paleoclimate conditions of the Sverdrup easure sedimentary sections in the field that are close to our camp s, about one ziplock bag full for laboratory analyses. To take the ner if the rock is hard or a pickaxe if the sediment is soft. The only king, the need for drinking water and washing hands. All waste such in and human waste will be buried according to regulations away
8.	SCHEDULE - Applicants are acterm.	dvised that approvals without a license are issued for a one year
	Proposed Start Date: July/2014 (Month/Ye Field work is planned for 3 wee	
9.	to the type of water use propose proposed water use, an applica	THOUT A LICENCE PROPOSED - Check the box that applies ed. If none of the water uses listed below applies to the tion for a water licence will be required. See the NWB's <u>Guide 4</u> Water Licence Application for a New Licence.

	testing or clear	ing of unused storage tank	s or pipelines.		
	and for any dea	al undertaking, for an activi posit of waste that is not de avel washing above the ord	ty related to quarrying and eposited to surface water ar dinary high water mark.	gravel washing, nd that results from	
	For a Mining un sewage to a su		elated to exploratory work,	any deposit of	
	For a Power undertaking, any deposit of sewage to a sump.				
	For an Agricultural 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.				
	Block 11, describ	e the quantity in cubic met	VOLVED – For each type o res/day, measures to avoid	f waste indicated in or mitigate adverse	
Туре	e of Waste ted in Block	Quantity to be deposited in cubic	Measures to avoid or mitigate any	Periods during which waste will	
Type indica Human and dis	e of Waste ted in Block 11	Quantity to be	Measures to avoid or mitigate any adverse impacts To be buried 8 inches deep and at least 31 m away from waterways and camp, toilet tissue	Periods during	
Human and dis cleanin Human and dis	e of Waste ted in Block 11 waste sh and hand	Quantity to be deposited in cubic metres per day One half cubic	Measures to avoid or mitigate any adverse impacts To be buried 8 inches deep and at least 31 m away from waterways and	Periods during which waste will be deposited 2014-07-02 to	
Human and dis cleanin Human and dis Cleanir Human Dish ar	e of Waste ted in Block 11 n waste sh and hand ng water n waste	Quantity to be deposited in cubic metres per day One half cubic metres	Measures to avoid or mitigate any adverse impacts To be buried 8 inches deep and at least 31 m away from waterways and camp, toilet tissue will be flown out	Periods during which waste will be deposited 2014-07-02 to 2014-07-10	
Human and dis cleanin Human and dis Cleanir Human Dish ar	e of Waste ted in Block 11 n waste sh and hand ng water n waste sh and hand ng water n waste and nd hand	Quantity to be deposited in cubic metres per day One half cubic metres See above	Measures to avoid or mitigate any adverse impacts To be buried 8 inches deep and at least 31 m away from waterways and camp, toilet tissue will be flown out See above	Periods during which waste will be deposited 2014-07-02 to 2014-07-10 2014-07-16 2014-07-16	
Human and dis cleanin Human and dis Cleanin Dish ar cleanin	e of Waste ted in Block 11 n waste sh and hand ng water n waste sh and hand ng water n waste and nd hand	Quantity to be deposited in cubic metres per day One half cubic metres See above	Measures to avoid or mitigate any adverse impacts To be buried 8 inches deep and at least 31 m away from waterways and camp, toilet tissue will be flown out See above	Periods during which waste will be deposited 2014-07-02 to 2014-07-10 2014-07-16 2014-07-16	
Human and dis cleanin Human Dish ar cleanin	e of Waste ted in Block 11 n waste sh and hand ng water n waste n waste and ng water n waste and ng water sh and hand	Quantity to be deposited in cubic metres per day One half cubic metres See above See above	Measures to avoid or mitigate any adverse impacts To be buried 8 inches deep and at least 31 m away from waterways and camp, toilet tissue will be flown out See above	Periods during which waste will be deposited 2014-07-02 to 2014-07-10 2014-07-16 2014-07-16	

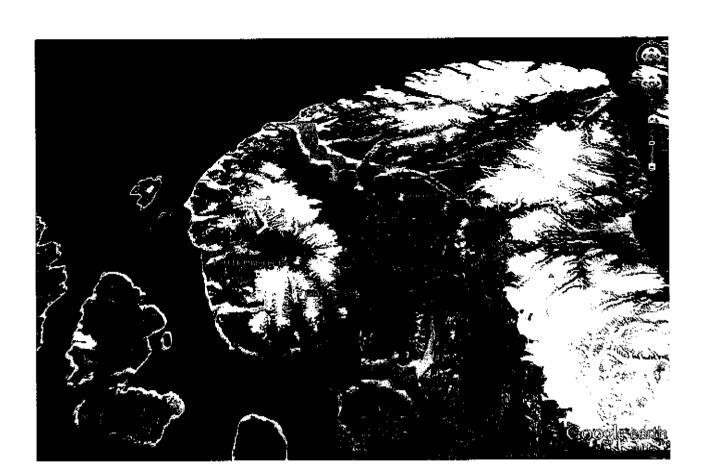
OR				
1,		(print i	name), as an authorized	
representative of the Applicant, information given on this form is, to the	a beet of my kno	wledge correct	, certify that the	
miornation given on this form is, to the	ie best of my kind	wieage, collect	and complete.	
	Yes		□No	
I certify that the Nunavut Planning Co Nunavut Land Claims Agreement hav		use planning rec	uirements under Article 11 of the	
	X Yes		☐ No	
I certify that the Nunavut Impact Revi of the NLCA have been met.	ew Board's deve	lopment impact r	eview requirements under Article 12	
	X Yes		□No	
I certify that the proposed water use i further specified by column 3, in resp				
	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 11.			
	X Yes	□NA	□No	
I certify that the proposed water use of flow of the watercourse whose waters		te will not substa	ntially affect the quality, quantity or	
	X Yes		□No	
I certify that the proposed water use of flow of waters flowing through Inuit O		te will not substa	ntially affect the quality, quantity or	
	X Yes		□No	
I certify that the proposed water use or deposit of waste will not affect the use of waters by a person who would be entitled to compensation under sections 58 or 60 of the <u>Nunavut Waters Nunavut Surface Rights Tribunal Act</u> (Act) if their use of these waters were to be adversely affected by an applicant for a licence.				
	X Yes		☐ No	
I certify that a licence is not required tundertaking.	for another use o	f water, or depos	it of waste in respect of the proposed	
	X Yes		☐ No	
I have read and agree to comply with the <u>Nunavut Waters Regulations</u> :	the following cor	iditions outlined	in sections 4(3), 5(4), 5(5) and 6 of	

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			•		
	1. In the countries the appoint or depo	licant shall respect the priority	a mineral right and who inter conferred on Inuit by section	nds to use waters or deposit waste in relation to that rig on 62 of the <i>Act</i> as if that applicant had a licence for the	ht, use
	2. Measur are to b	es must be taken prior to usin be used, and the measures sha	g water to minimize any alte all be maintained during the	eration to the bed or banks of a watercourse whose wate operation of the undertaking.	ers
	3. No was	te is to be deposited to surfac	e water or within 31 metres	of the ordinary high water mark of any body of water.	
		ste shall not contain more that arbon sheen.	n 15 milligrams per litre of p	etroleum or petroleum product and must not have a visi	ible
	waste v	the closure or abandonment of without a licence, whichever or fore the water was used or the	ccurs first, the site shall be r	the period authorized for the use of water or deposit of restored — to the extent practicable — to the state in whether the state is the state of th	nich it
	6. An app a.	maintain accurate and det i. the quantity of w	ailed books and records of: ater, in cubic metres, used e	ers or deposit waste without a licence shall:	
		ii, the quantity, in c	ubic metres, of waste depose a deposited each day,	alted each day,	
		iv. where the waste	is deposited.	ances, in the deposited solid or liquid that has the effect	t of
	b.	making the depo vi. the methodology vii. the measures th	esit waste, / used to calculate or determ at were taken to avoid or mit	nine the information referred to in items (i) to (iv), and tigate any adverse impacts of the deposit of waste. King during the period of its operation and make them	
	c.	available during that period submit to the Board a repo the site of the undertaking abandoned, and (ii) the las	d to an inspector on request; at containing a summary des within 30 days after the earl at day of the period authorize		
		Notes:			
·		 a) A site need not be resto without a licence, as requir that site prior to the and of 	red by Item 5, if the Board Is	eriod authorized for the water use or deposit of waste sues a licence for the use of water or deposit of waste of	on
		approval for a use of water	r or deposit of waste without	in Item 6 (c), to the Board if the applicant obtains the Bo t a licence, or a licence for a use of water or deposit of a last day of the period authorized for the use or deposit	
			X Yes	□No	
lice The	I understand that any approval granted by the Board for the use of water or deposit of waste without a licence will be authorized for a period of one year after the day on which the Board approves the Application. The use or deposit is not authorized until the Board approves the Application and it is only valid as long as the applicant is in compliance with the conditions set out in the declaration above.				
			X Yes	□ No	
		that if I have answered " er Board prior to the us		re statements a water licence is required fron t of waste.	n the
			X Yes	□No	

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Claudia Schröder- Adams	Professor	Cunha Colo Allaw =	March 12, 2014
Name (Print)	Title (Print)	Signature	Date

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Field localities

Glacier Fiord: 78°37'51.47"N, 89°51'31.64"W

Lost Hammer Diapir: 79° 0'34.48"N, 90°17'18.43"W

Slidre Fiord: 79°51′57.66″N, 85°19′37.38″W