

WATER LICENCE INSPECTION FORM

Original	
Follow-Up	Report

Licensee		Licensee Representative	
McGill University,	Department of Geology	Christopher Omelon	
Licence No. / Expiry		Representative's Title	
8WLC-MGU1920		Base Manager, Arctic Research Station	
Land / Other Authorization	ns	Land / Other Authorizations	
N2016N0018			
Date of Inspection		Inspector	
July 11, 2019		Joseph Monteith, Erik Allain, and Jeremy Fraser	
Activities Inspected			
☐ Camp☐ Roads/Hauling	☐ Drilling ☐ Mining ☐ Other:water use, and waste disposal	☐ Construction ☐ Reclamation ☐ Fuel Storage ☐ Other:	

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:				Condition	Observation No.*
A: SCOPE, DEFINITION	S AND ENFORCEME	NT		А	
B: GENERAL CONDITION	ONS			А	
C: CONDITIONS APPLY	ING TO SECURITY			NI	
D: CONDITIONS APPL	YING TO WATER US	E		А	1-5
E: CONDITIONS APPL	YING TO WASTE DIS	POSAL AND MANAGEN	/IENT	А	6-9
F: CONDITIONS APPLY	ING TO MODIFICAT	IONS		NI	
G: CONDITIONS APPL	YING TO CONSTRUC	TION		NI	
H: CONDITIONS APPL	YING TO EMERGENO	CY RESPONSE AND CO	NTINGENCY	А	14
PLANNING					
I: CONDITIONS APPLY	ING TO ABANDONN	MENT, RECLAMATION A	AND	NA	
CLOSURE PLANNING					
J: CONDITIONS APPLYING TO MONITORING			NI		
SCHEDULES				А	
	*The observat	ion number correspond	ds with specific c	omments provided belo	W.
		Location(s) Main Car	np: N79 25 00.	0 W90 43 00.0	
Samples taken by Inspector: Crusoe camp: N79 23 21.0 W91		23 21.0 W91 (01 25.0		
Yes No					

Samples taken by Inspector:	Crusoe camp: N79 23 21.0 W91 01 25.0
☐ Yes ⊠ No	

BACKGROUND

The Station, located near expedition fiord on Axel Heiberg Island, NU, consisted of approximately 11 buildings situated on crown lands for the purpose of supporting scientific field work. The camp is spread out and contains buildings grouped together at two locations (see Figure 1). The locations of the camps, where water and waste were used and produced, is located at:

Main Camp: N79 25 00.0 W90 43 00.0 Crusoe camp: N79 23 21.0 W91 01 25.0

On May 9, 2016 3BC-MGU1015 was issued On May 4, 2018 8WLC- MGU was issued

On March 25, 2019 8WLC-MGU1920 was issued.

Inspector Statement

On July 11, 2018, A Water Licence Inspection was conducted by Water Resource Officer (WRO) Joseph Monteith, Erik Allain, and Jeremy Fraser at Expedition Fiord, Axel Heiberg Island, Nunavut, for water licence 8WLC-MGU1920.

Water Supply Facilities

- 1. Water is withdrawn from a small lake downhill from the main camp (photo 1). The water supply is situated next to the old camp kitchen (photo2), and the airstrip (photo 3).
- 2. No sign of drawdown, erosion, disturbance or sedimentation was observed at the small lake.
- 3. A water pump (photo 6) is used to move the water uphill to a water storage tank(photo 17).
- 4. No water meter observed on site at the time of inspection
- 5. No logs were observed on site.

Solid Waste



- - 6. Bulk Metal was observed on site (photo 10).
 - 7. Old Sump Pit (photo 8).
 - An incinerator toilet was observed on site called a Incinolet (photo 12). Incinolet waste in drum (photo 18, and
 - 9. Honey buckets (photo 13).

Fuel Cache

- 10. None of the fuel observed was within 31 metres of any water body.
- 11. Fuel caches were observed on site (photo 3, 14, 15, 20 & 21).
- 12. 24 drums counted total
- 13. Berm water release (photo 20, & 21).

Crusoe River Camp

14. Site appeared to be in a state of temporary closure (photo26 & 27).

14. Site appea	irea to be iii a state of te	imporary closure (priotozo & 27).	
SECTION 2	Comments	Non-Compliance with Act or Licence	Action Required
Do the following it	tems below to bring your	self back into compliance:	
-Report all spills as	s per water licence		
SECTION 3	Comments	Non-Compliance with Act or Licence	Action Required
Part 5: Item c.			
c. report spills imn	nediately to the 24-Hour	Spill Line at (867) 920-8130 and to the	
	inculately to the 2 i moun		
Inspector at (867)	,		

Licensee or Representative	Inspector's Name
	Joseph Monteith
Signature	Signature
	Augh Martill.
Date	Date
	December 12, 2019

CC: Licensing Department, NWB Justin Hack, Manager of Field Operation

PHOTO LOG

ate	Camera	Inspector	
July 11, 2019	Nikon Cool Pix	Joseph Monteith	
noto Log #		Location	
noto 1		Axel Heiberg Island	
	6		
Com Com			100
	R.		
		ATA	
			3
			Section 200
The second secon			THE RESERVE



Description: 5 weather havens, 3 buildings, 6 tents. Water source is the small lake in the left hand side of the photo.





x spill kits on site. 4 waste barrels next to 2x spillkits.



Photo Log #	Location
Photo 5	Axel Heiberg Island







Description: old kitchen 2 x propane tanks, 1 x storage tank for heating



Photo Log #	Location
Photo 7	Axel Heiberg Island





Description: Water Withdrawal hose, with fish mesh screen

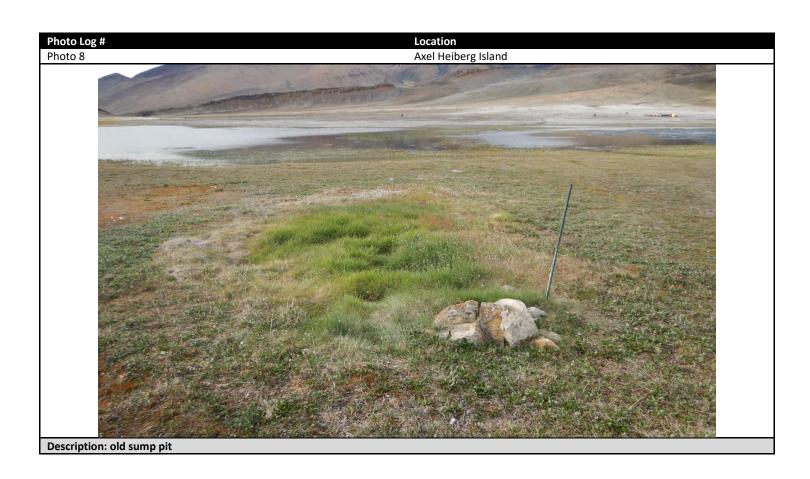


Photo Log #	Location
Photo 9	Axel Heiberg Island

























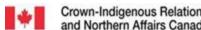






Photo Log #	Location
Photo 17	Axel Heiberg Island







Description: Water Storage Tank 20 gallon tank. Approximately 10 gallons in tank.













Description: 8 drums in secondary containment. Water from berm may of poured out during transfer of drums in and out of secondary containment







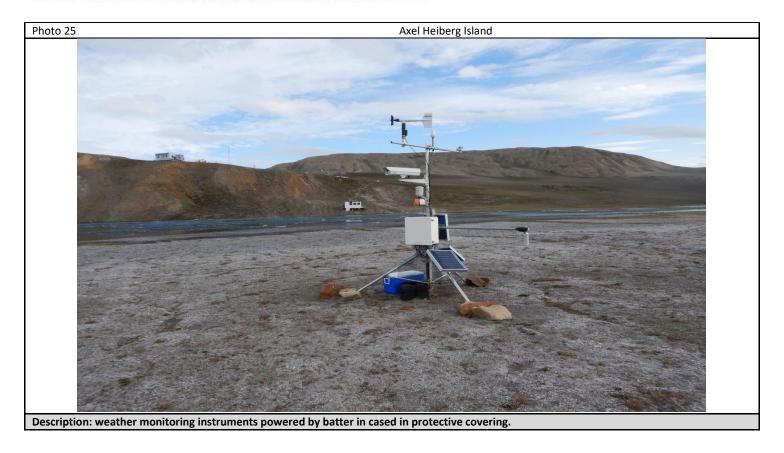




Photo Log # Location













Description: 1 weather haven at camp, 2 x flooring but no erected structure. Crusoe Camp.

