

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee		Licensee Representative	
Federal Institute for Geosciences & Natural Resources		Dr. Karsten Piepjohn	
Licence No. / Expiry		Representative's Title	
8WLC-PEA1718			
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
July 12, 2019		Joseph Monteith, Erik Allain & Jeremy Fraser	
Activities Inspected			
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:		<input checked="" type="checkbox"/> Reclamation
			<input checked="" type="checkbox"/> Fuel Storage

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:				Condition	Observation No.*
A: SCOPE, DEFINITIONS AND ENFORCEMENT					
B: GENERAL CONDITIONS				A	
C: CONDITIONS APPLYING TO SECURITY				NI	
D: CONDITIONS APPLYING TO WATER USE				A	1,5,9, 13 &17
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT				A	2-4,6-8,10-12,14-16,18-20
F: CONDITIONS APPLYING TO MODIFICATIONS				NI	
G: CONDITIONS APPLYING TO CONSTRUCTION				NI	
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING				A	
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING				A	
J: CONDITIONS APPLYING TO MONITORING				A	
SCHEDULES				A	
*The observation number corresponds with specific comments provided below.					
Samples taken by Inspector:		Location(s):			
		Stenkul Fiord Site Camp: N77.3603°, W83.5566° check			
		Base Camp Yverton Inlet : 82.1033°N 81.6914°W check			
		Yelverton Volcanics Camp: 81.8031°N 82.3219°W check			
		Wootton Peninsula Camp: 82.3414°N 84.4356°W check			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Otto Fiord North Strip: 81.2280 °N 85.8322°W check			

SECTION 1	<input type="checkbox"/> Comments (s.__)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.__)	<input type="checkbox"/> Action Required (s.__)
BACKGROUND <p>The CASE-program was initiated in 1988 by Dr. Franz Tessensohn (Estrada et al., 2009, 30 years of terrestrial polar research - a retrospective (PDF, 6 MB)) under the name “Correlation of Alpine Structural Events in Spitsbergen and North Greenland.” After two pre-site surveys in cooperation with the University of Münster in 1988 and 1991, the first BGR expeditions were carried out to Spitsbergen in 1992 (CASE 1) and North Greenland in 1994 (CASE 2). The original study areas were subsequently extended to Ellesmere Island and Siberia, and the CASE program was renamed to “Circum-Arctic Structural Events” in 1998. Since 1992, BGR has organized expeditions to Svalbard, North Greenland, the Canadian Arctic Archipelago, Yukon North Slope, and Siberia in cooperation with the Geological Survey of Canada (GSC), the Yukon Geological Survey (YGS), the Geological Survey of Denmark and Greenland (GEUS), the Norwegian Polar Institute (NP), the Karpinsky All Russian Geological Research Institute (VSEGEI), and a number of universities and natural museums. The CASE program has therefore provided an inclusive platform for government and university researchers to perform field-based multidisciplinary scientific studies in a very remote part of the world, the results of which inform and compliment offshore geophysical research also sponsored by BGR.</p> <p>Dr. Karsten Piepjohn of the Federal Institute for Geosciences and Natural Resources applied for a water licence on February 14, 2017 to conducted mulitidisciplinary work at Skenkul Fiord, Yverton Inlet, Yelverton Volcanics camp, Wootton Peninsula, and Otto Fiord. Dr. Karsten Piepjohn was issued 8WLC-PEA1718</p> Inspector Statement <p>On July 21, 2018, A Water Licence Inspection by Water Resource Officer Joseph Monteith, by way of Aerial Survey was conducted at Stinkul Fiord, Base Camp Yverton, Yelverton Volcanic Camp, Wootton Peninsula Camp, and Otto Fiord Strip, on Ellesmere Island, Qikiqtani Region, Nunavut, for water licence 8WLC-PEA1718.</p>			



Stinkul Fiord (photo 1 to 6)

Water Supply Facilities

1. No signs of water use or equipment to withdrawal water, or contain it.

Waste

2. No Signs of any latrine pits, or grey water sump pits.
3. No signs of fire pits.
4. No solid waste one site

Yverton Inlet (photo 7 to 9)

Water Supply Facilities

5. No signs of water use or equipment to withdrawal water, or contain it.

Waste

6. No Signs of any latrine pits, or grey water sump pits.
7. No signs of fire pits.
8. No solid waste one site

Wootton Peninsula (photo 10 to 12)

Water Supply Facilities

9. No signs of water use or equipment to withdrawal water, or contain it.

Waste

10. No Signs of any latrine pits, or grey water sump pits.
11. No signs of fire pits.
12. No solid waste one site

Otto Fiord (photo 13)

Water Supply Facilities

13. No signs of water use or equipment to withdrawal water, or contain it.

Waste

14. No signs of any latrine pits, or grey water sump pits.
15. No signs of fire pits.
16. No solid waste one site

Yverton Volcanic Camp (photo 14)

Water Supply Facilities

17. No signs of water use or equipment to withdrawal water, or contain it.

Waste

18. No signs of any latrine pits, or grey water sump pits.
19. No signs of fire pits.
20. No solid waste one site

SECTION 2	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
-----------	----------------------------------------------	-------------------------------------------------------------	-----------------------------------------------------

All sites appeared to be brought back to near pristine condition. I recommend closure to this water licence.

SECTION 3	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
-----------	-----------------------------------	-------------------------------------------------------------	------------------------------------------

Click here to enter text.

Licensee or Representative	Inspector's Name
	Joseph Monteith
Signature	Signature
Date	Date
	January 21, 2020

CC: Licensing Department, NWB
Justin Hack, Manager of Field Operations, CIRNAC

PHOTO LOG


Date	Camera	Inspector	
July 21, 2018	Nikon Cool Pix	Joseph Monteith	
Photo Log #	Location		
Photo 1	Stenkul Fiord, Ellesmere Island, NU		
			
Description: No signs of camp, equipment, or footprint.			

Photo Log #	Location
Photo 2	Stenkul Fiord, Ellesmere Island, NU
	
Description: No signs of camp, equipment, or footprint.	



Photo Log #	Location
Photo 3	Stenkul Fiord
	
Description: No signs of camp, equipment, or footprint.	

Photo Log #	Location
Photo 4	Stenkul Fiord, Ellesmere Island, NU
	
Description: No signs of any impacts to the environment or fresh water.	



Photo Log #	Location
Photo 5	Stenkul Fiord, Ellesmere Island, NU
	
Description: No signs of camp, equipment, or footprint.	

Photo Log #	Location
Photo 6	Stenkul Fiord
<div><div><div>8WLC-PEA1718 Stenkul Fiord</div><div>Camp Site Coordinates</div></div><div><div>Legend</div><div><div> 77.3603°N 83.5566°W 8WLC-PEA1718 Stenkul Fiord camp coordinates</div></div></div><div><div>Google earth</div><div>Image Landsat / Copernicus</div></div></div> <div>Description: GoogleEarth image of the Stenkul Fiord site.</div>	



Photo Log #	Location
Photo 7	Base Camp – Yelverton Inlet
Description: Site of the Base Camp – Yelverton Inlet. Minor footprint. No signs of equipment, garbage, or infrastructure. Minor rutting footprint	

Photo Log #	Location
Photo 8	Base Camp - Yelverton Inlet
Description: erosion on the banks of Char Lake, Pump House parking pad. Minor rutting footprint.	



Photo Log #	Location
Photo 9	Base Camp – Yelverton Inlet
	
Description: possible site of water withdrawal. No signs of equipment, or infrastructure. Minor rutting footprint	

Photo Log #	Location
Photo 10	Wootton Peninsula
	
Description: Site of the Wootton Peninsula Camp. Site of water withdrawal.	





Photo Log #	Location
Photo 11	Wootton Peninsula
	
Description: Site of the Wootton Peninsula Camp. No Signs of infrastructure, equipment, or footprint of camp.	

Photo Log #	Location
Photo 12	Otto Fiord, Ellesmere Island, NU
	
Description: Otto Fiord. No sign of camp structures, equipment. Minor Rutting observed.	



Photo Log #	Location
Photo 13	Yverton Volcanic Camp, Ellesmere Island, NU
	
Description: Yverton Volcanic Camp –no camp structures, equipment or footprint observed at the base of this mountain.	