

WATER LICENCE INSPECTION FORM

☑ Original☐ Follow-Up Report

Licensee			Licensee Representative			
Hamlet of Cambridge Bay		NA				
Licence No. / Expiry			Representative's Title			
3BM-CAM2030			NA			
Land / Other Authorizations			Land / Other Authorizations			
Date of Inspection			Inspector			
September 6, 202	21		Jonathan MESHE	R		
Activities Inspected						
	Drilling	☐ Mining	Construction	Reclamation	☐ Fuel Storage	
☐ Roads/Hauling ☐	Other:		☑ Other: Hamlet waste s	torage.		

Conditions: A - A	Acceptable	•	C - Concern U - Unacceptal	ole	NA-	Not Applicable NI-	Not Ins	ected
Water Use	Condition	Comment	Site Conditions	Condit ion	Comme nt	Haz/Mat Management	Condition	Comment
Intake/Screen	NA		Water Management Structures	NA		Storage	С	
Flow Measure. Device	e NA		Culverts / Bridges	NA		Spills	NA	
Source:	NA		Drainage	NA		Spill Plan	NI	
Water Use:	NA		Erosion / Sediment	NA				
Recirculation (y/n)	NA		Mitigation Measures	Α		Administrative		
			Reclamation Activities	NA		Records	NI	
			Materials Storage	NA		Reports	NI	
Waste Disposal			Signage			Plans	NI	
Waste Water	NA					Notifications	Α	
Solid Waste	NA		Monitoring			Other		
Hazardous Waste	С		Sample Collection / Analysis	А		Follow-up from previous inspection	NI	
*	The numbe	omments field will correspond wit	h specij	fic comr	nents provided below.			
Samples taken by Inspector:		Location(s):						
☐ Yes ☒ No								

SECTION 1	⊠ Comments	Non-Compliance with Act or Licence
Bookanound	1.	

☐ Action Required

Background:

On September 06, 2021, I Jonathan Mesher conducted an inspection of the Waste storage facilities to ensure compliance with the terms and conditions of the Water licence 3BM-CAM2030.

1. Metal waste area.

- a) During the inspection there was various batteries stored inside wooden boxes and a sea can, there was also batteries scattered around the storage area outside of containment. PART D, item 11 of the licence 3BM-CAM2030 states; "The Licensee shall segregate and store all hazardous materials and/or hazardous Waste within the Solid Waste Disposal Facility in such a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at an approved facility." see photo 1 for the battery storage.
- b) During the inspection the Hazardous material containment cells appeared to be retaining water and it appeared that there was significant room in this containment. See photos 2 and 3 for the hazardous material berm.
- c) The inspector noted significant hazardous material outside on containment within the metal dump. See photos 4, 5 and 6 for the waste mentioned.

2. Landfill.

- a) During the inspection there was signs of erosion near the landfill gate, the slope of the area indicates the water causing the erosion is originating from within the landfill. PART D item 2 of the licence 3BM-CAM2030 states; "The Licensee shall direct Effluent from the Solid Waste Disposal Facility to the Retention Sewage Lagoon as required." See photo 7 for the erosion noted.
- b) The inspector noted various types of non-burnable waste within the landfill such as; Styrofoam and plastics. PART D, Item 9 states "The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding waters, unless otherwise approved by the Board in writing."



Comments



Section 2

Non-Compliance with Act or Licence

Action Required

The inspector is requesting the licensee provide a plan to resolve the following concerns by April 1, 2022.

- 1) The licensee is to ensure all Hazardous waste is segregated and stored in a way to prevent waste from entering water, the inspector recommends storing all hazardous waste at the metal waste area within the berms on site.
- 2) The licensee is to provide a plan to sort, package and ship hazardous materials out in the next sealift season to an approved facility.
- 3) The licensee is to ensure only approved waste is burnt within the landfill.
- 4) The licensee is to ensure all effluent from the landfill is captured in the retention sewage lagoon as required in the licence.
- The licensee is to provide water consumption records for 2020 and 2021 to date.

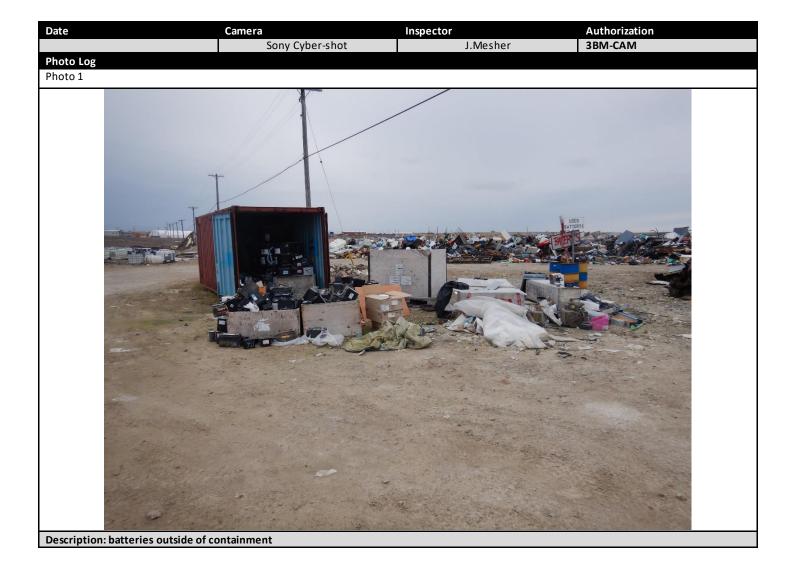
Inspector's Name	
Jonathan MESHER	
Signature	
Date	
December 8, 2021	

Water Resource Officer, Nunavut Region

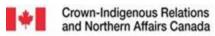
Crown Indigenous Relations and Northern Affairs Canada - CIRNAC

Jonathan.mesher@canada.ca

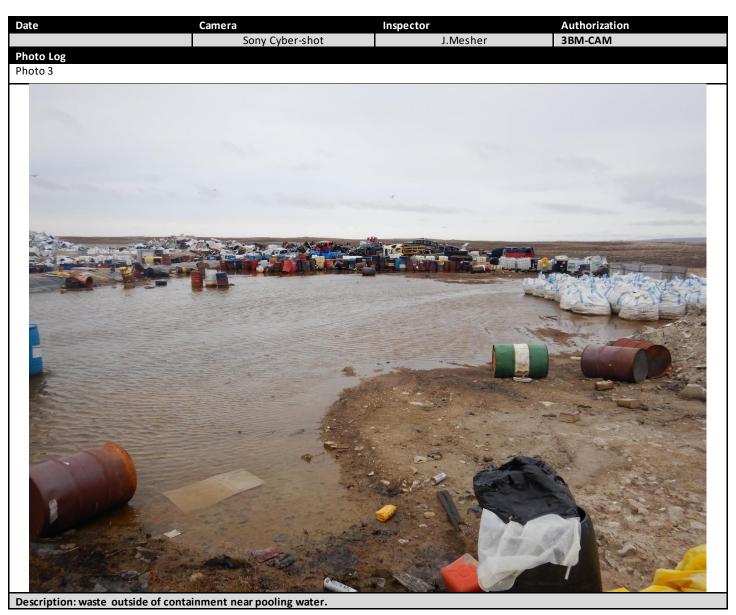
Office #: 867-975-4296 Fax: 867 979-6445















Date	Camera	Inspector	Authorization	
	Sony Cyber-shot	J.Mesher	3BM-CAM	
Photo Log				

Photo 4



Description: various wastes outside of containment

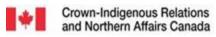
Date	Camera	Inspector	Authorization
September,16-17 2021			
	Sony Cyber-shot	J.Mesher	3BM-CAM
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Photo Log Photo 5



Description: barrels outside of containment





Date	Camera	Inspector	Authorization
September,16-17 2021			
	Sony Cyber-shot	J.Mesher	3BM-CAM

Photo Log Photo 6



Description: Barrels outside of containment.

Date	Camera	Inspector	Authorization
September,16-17 2021			
	Sony Cyber-shot	J.Mesher	3BM-CAM

Photo Log

Photo 7



Description: erosion near landfill entrance indicating effluent leaving the facility





Date	Camera	Inspector	Authorization
September,16-17 2021			
	Sony Cyber-shot	J.Mesher	2AM-MRY
Photo Log			

Photo 8

Description: BG-24, erosion on down stream side of culvert/ damaged culvert.

