

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
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Date of Inspection	Inspector
June 30, 2022	Jonathan MESHER
Activities Inspected	
<div><input type="checkbox"/> Camp<input type="checkbox"/> Drilling<input type="checkbox"/> Mining<input type="checkbox"/> Construction<input type="checkbox"/> Reclamation<input type="checkbox"/> Fuel Storage</div> <div><input type="checkbox"/> Roads/Hauling<input type="checkbox"/> Other:<input checked="" type="checkbox"/> Other: Hamlet waste storage.</div>	

Conditions:    **A - Acceptable**    **C - Concern**    **U - Unacceptable**    **NA – Not Applicable**    **NI – Not Inspected**

Water Use	Condition	Comment	Site Conditions	Condition	Comment	Haz/Mat Management	Condition	Comment
Intake/Screen	NA		Water Management Structures	NA		Storage	U	
Flow Measure. Device	NA		Culverts / Bridges	NA		Spills	C	
Source:	NA		Drainage	NA		Spill Plan	NI	
Water Use:	NA		Erosion / Sediment	NA				
Recirculation ( y /n)	NA		Mitigation Measures	A		Administrative		
			Reclamation Activities	NA		Records	NI	
			Materials Storage	NA		Reports	NI	
Waste Disposal			Signage			Plans	NI	
Waste Water	C					Notifications	A	
Solid Waste	C		Monitoring			Other		
Hazardous Waste	U		Sample Collection / Analysis	A		Follow-up from previous inspection	NI	
*The number in the comments field will correspond with specific comments provided below.								
Samples taken by Inspector:			Location(s):					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								

SECTION 1    ☒ Comments    ☐ Non-Compliance with Act or Licence    ☐ Action Required

**Background:**

On June 30, 2022, 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. During the 2022 inspection all concerns noted in the September 2021 were still identified as a concern the following is the concerns noted in 2021 and 2022.

**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.”


3. 2022 concern;
- a) While inspecting the metal waste dump the inspector noted a oil spill, the spill has since been remediated. See photo 9 for the oil spill noted.

Section 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
The licensee is to develop a plan by January 15, 2023 to ensure the following concerns are addressed, this plan shall include a timeline for implementation.			
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 to an approved waste management facility due to inability to store the excess of hazardous materials.			
3) The licensee is to ensure all effluent from the landfill is captured in the retention sewage lagoon as required in the licence.			
Inspector's Name			
Jonathan MESHER			
Signature			
			
Date			
September 27, 2022			

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Date	Camera	Inspector	Authorization
June 20, 2022	Sony Cyber-shot	J.Mesher	3BM-CAM
Photo Log			
Photo 1			
			
Description: batteries outside of containment			



Date	Camera	Inspector	Authorization
June 20, 2022	Sony Cyber-shot	J.Mesher	3BM-CAM
Photo Log			
Photo 2			
			
Description: containment cell with space for waste			

Date	Camera	Inspector	Authorization
June 20, 2022	Sony Cyber-shot	J.Mesher	3BM-CAM
Photo Log			
Photo 3			
			
Description: second cell with room for Hazardous material containment			



Date	Camera	Inspector	Authorization
June 20,2022			
	Sony Cyber-shot	J.Mesher	3BM-CAM
Photo Log			
Photo 4			
			
Description: various wastes outside of containment			

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	3BM-CAM
Photo Log			
Photo 5			
			
Description: barrels outside of containment			