

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, 2021	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			Site Conditions		Hazardous Materials Management		Hazardous Waste Management	
	Condition	Comment		Condition	Comment		Condition	Comment
Intake/Screen	NA		Water Management Structures	NA		Storage	C	
Flow Measure. Device	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	A		Administrative		
			Reclamation Activities	NA		Records	NI	
			Materials Storage	NA		Reports	NI	
Waste Disposal			Signage			Plans	NI	
Waste Water	NA					Notifications	A	
Solid Waste	NA		Monitoring			Other		
Hazardous Waste	C		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	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> 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.”

Section 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> 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.			
5) 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 1			
			
Description: batteries outside of containment			

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

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3BM-CAM
Photo Log			
Photo 3			
			
Description: waste outside of containment near pooling water.			

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

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.