



# WATER LICENCE INSPECTION FORM

Original  
 Follow-Up Report

<b>Licensee</b> Municipality of Cambridge Bay	<b>Licensee Representative</b> Jim MacEachren
<b>Licence No. / Expiry</b> 3BM-CAM2030	<b>Representative's Title</b> Senior Administration Officer (SAO)
<b>Land / Other Authorizations</b>	<b>Land / Other Authorizations</b> --
<b>Date of Inspection</b> July 30, 2024	<b>Inspector</b> Jonathan MESHER
<b>Activities Inspected</b>	
<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 <input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Other: Municipality <input type="checkbox"/> Other:	

**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	NI		Water Management Structures	C		Storage	U	
Flow Measure. Device	A		Culverts / Bridges	A		Spills	U	
Source:	A		Drainage	NA		Spill Plan	NI	
Water Use:	A		Erosion / Sediment	NI				
Recirculation ( y /n)	NA		Mitigation Measures	A		<b>Administrative</b>		
			Reclamation Activities	NA		Records	NI	
			Materials Storage	NA		Reports	NI	
<b>Waste Disposal</b>			Signage			Plans	NI	
Waste Water	NA					Notifications	A	
Solid Waste	A		<b>Monitoring</b>			<b>Other</b>		
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:	<b>Location(s):</b>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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

**Background:**

On July 30,2024 I Jonathan Mesher of CIRNAC conducted inspections of Water Licence facilities under the licence 3BM-CAMB2030. During the inspection I was accompanied by Jim MacEachren (SAO).

As stated in section 4 of the Hamlet of Cambridge Bay Municipal Solid Waste Disposal Facility Operation and Maintenance Manual; “The Senior Administration Officer (SAO) has overall responsibility over all Hamlet Departments, including the Municipal Services/Public Works Department which is responsible for management and operation of the MSW Solid Waste Disposal Facility. His responsibilities in relation to the solid waste facility include:

- Review and allocate operating budget
- Monitor overall operations to confirm compliance with the requirements of the Water License and this manual
- Confirm personnel obtains proper training
- Review emergency response plans and confirm exercises occur on a regular basis
- Coordinate annual audits of the facility
- Liaise with the NWB
- Review and submit reports to the NWB, as required by the Water License
- Respond to public inquiries.”

**Waste Management**

1. During the inspection it was noted the licensee has not been operating the Landfill as approved in the “Hamlet of Cambridge Bay Municipal Solid Waste Disposal Facility Operation and Maintenance Manual” due to the following reasons;
  - a) The licensee has not been covering and compacting the waste as describe in “Figure 5-1: Typical Landfill Operation” see photo 1 for the uncovered and spread out waste at the landfill.





- b) The licensee has not been separating burnable waste from non-burnable waste and is indiscriminately burning waste. Section 5.2 of the operation and maintenance manual states “Materials such as cardboard, untreated wood products and natural fiber textiles should be diverted to the burn pit.” see photos 1 and 2 for the lack of separation between burnable and no burnable waste.
  - c) The licensee has not segregated hazardous materials as described in section 6.3 Hazardous Waste, the majority of hazardous materials is placed outside the hazardous waste berms and outside of sea cans despite there being significant room in the secondary containment berms. See photos 3 and 4 for the secondary containment not being appropriately utilized and photos 5 and 6 for the hazardous materials improperly stored outside secondary containment.
  - d) Section, 6.4 Litter Control, states the following “Limit the size of operating areas so that waste can be compacted and covered at regular intervals;” and “The Landfill Operator shall regularly collect litter from the site, surrounding areas and along access roads.” The licensee is not cover the waste and it does not appear they are collecting litter around the surrounding areas. See photos 1 and 2 for the lack of cover material causing windblow litter.
2. There was significant freeboard in the lagoon at the time of the inspection, no concerns were noted regarding this facility.

**Water Management**

- 3. At the time of the inspection the licensee was changing the filter at the water intake, no concern were noted regarding this facility.
- 4. During the inspection the inspector noted the hamlet has recently installed ditches around the community, some of the ditches appeared to have dead ends while some appear to direct water into peoples property. See photos 6 and 7 for some of the recent water management structures. Part E, item 1 of the licence 3BM-CAM2030 states “The Licensee shall submit to the Board for review, for construction design drawings stamped by a qualified Engineer, sixty (60) days prior to the construction of any dams, dykes or structures intended to contain, withhold, divert or retain Water or Waste.”.

Section 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
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**The licensee is to provide a plan 2 weeks after receiving the report to ensure the following concerns are addressed, this plan shall include a timeline for implementation.**

- a. The licensee is to utilize the secondary containment on site to comply with the requirement to segregate the hazardous waste at the landfill.
- b. The licensee is to stop burning non-burnable waste.
- c. The licensee is to start piling, compacting and covering the waste as described in the Hamlet of Cambridge Bay Municipal Solid Waste Disposal Facility Operation and Maintenance
- d. The licensee is to pick up the windblown litter surrounding the landfill as described in section 6.4 of the Hamlet of Cambridge Bay Municipal Solid Waste Disposal Facility Operation and Maintenance Manual.
- e. The licensee is to provide the design drawings for the recently installed diversion ditches throughout the hamlet as required in Part E, item 1.

Inspector’s Name	Licensee representative name
Jonathan MESHER	
Signature	Signature
Date	Date
September 12, 2024	

Water Resource Officer, Nunavut Region  
 Crown Indigenous Relations and Northern Affairs Canada – CIRNAC  
 Jonathan.mesher@canada.ca  
 Office #: 867-222-0118





Date	Camera	Inspector	Authorization
July 30, 2024	Sony Cyber-shot	J.Mesher	3BM-CAM

Photo Log

Photo 1



Description: Landfill lack of waste segregation.

Date	Camera	Inspector	Authorization
July 30, 2024	Sony Cyber-shot	J.Mesher	3BM-CAM

Photo Log

Photo 2



Description: no separation of burnable and non burnable waste.



Date	Camera	Inspector	Authorization
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Photo Log

Photo 3



Description: under utilized hazardous water secondary containment.

Date	Camera	Inspector	Authorization
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Photo Log

Photo 4



Description: Another secondary containment area not utilized.



Date	Camera	Inspector	Authorization
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Photo Log

Photo 5



Description: batteries improperly stored.

Date	Camera	Inspector	Authorization
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Photo Log

Photo 6



Description: Hazardous waste improperly stored.