

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Taloyoak		Ashoona Irqquit	
Licence No. / Expiry		Representative's Title	
3BM-TAL1926		Foreman	
Land / Other Authorizations		Land / Other Authorizations	
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Date of Inspection		Inspector	
July 31, 2024		Jonathan MESHER	
Activities Inspected			
<input 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 type="checkbox"/> Reclamation	
		<input type="checkbox"/> Fuel Storage	
		<input checked="" type="checkbox"/> Other: Hamlet waste storage.	

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	U			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	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<div><div>Deposits of waste:</div><div><div>1.</div><div>At the time of the inspection the landfills Perimeter Fence was broken in multiple areas and did not appear to be 8 feet in height as described in section 4.3.2 Windblown protection of the Solid Waste Facility Hamlet of Taloyoak, Nunavut Operation and Maintenance (O&M) Manual. Section 4.3.2 states; “The perimeter wire mesh fence to a height of 8 ft. to retain garbage inside and protect the facility from debris coming inside shall be maintained with proper maintenance of fence. Plan and provision of debris collection from inside and close proximity to the fence outside, shall be maintained using manual labour or garbage pick-up and place them either inside burn pit or as allocated pile. Provision of facility surface drainage inside the fence for water runoff to retention sump of the waste site shall be maintained.” See photo 1 for the missing fence at the landfill.</div></div><div><div>2.</div><div>Due to the abundance of waste at the time of the inspection the inspector was unable to see the see the landfills sump mentioned in Section 4.3.2 of the Solid Waste Facility Hamlet of Taloyoak, Nunavut Operation and Maintenance (O&M) Manual.</div></div><div><div>3.</div><div>At the time of the inspection the landfill appeared to be predominantly covered with waste and appeared to have minimal cover material, section 3.1.1 of the Solid Waste Facility Hamlet of Taloyoak, Nunavut Operation and Maintenance (O&M) Manual states; “ Intermediate cover will also be required over areas that will be exposed for long periods, to reduce odor, and/or the amount of wind-blown debris, minimize leachate production, and provide temporary driving surfaces” See photos 1 & 2 for images of the landfill.</div></div><div><div>4.</div><div>At the time of the inspection the licensee was storing Hazardous waste a fenced area, no concerns were noted with the temporary storage of this Hazardous materials.</div></div></div>			

Water intake

1. During the inspection no concerns were noted regarding the usage of water, there was a flow meter installed during the inspection and the usage records appeared to be up to date. See photos 3 for the flow meter.

Section 2

☐ Comments

☐ Non-Compliance with Act or Licence

☒ Action Required


Action required; The licensee is to provide a plan to address the concerns mentioned below, this plan shall include a timeline for implementation and photographs of the area before and after the work is complete.

a. During the review of the licence and associated documents the Inspector noticed a contradiction between the Water Licence and the Solid Waste Facility Hamlet of Taloyoak, Nunavut Operation and Maintenance (O&M) Manual. PART D, Item 12 of the licence 3AM-TAL1926 states; “The Licensee shall implement measures to prevent hazardous materials and/or leachate from the Solid Waste Disposal Facility from entering Water.” On the contrary Section 4.3.5 of the landfill O&M Manual states; “The Water collecting in the control ditch can be overflowed onto wetland and sample taken for contamination test.” The inspector is requesting the Licensee implement the appropriate measures to prevent Leachate from leaving the Landfill.

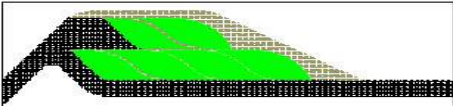
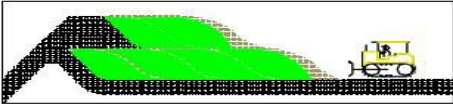
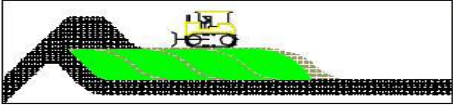



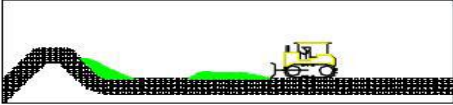
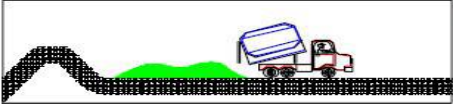
b. The licensee is to repair the fence surrounding the Landfill and ensure it is consistent with the Landfill Operations and Maintenance Manual.

c. The licensee is to ensure the Landfill is covered to prevent the spread of windblown litter.

d. The licensee is to provide information on the last time Hazardous Waste was removed from the Hamlet and when the plan to ship hazardous waste to an approved waste disposal facility.

Inspector’s Name	
Jonathan MESHER	
Signature	
	
Date	
November 11, 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
	Sony Cyber-shot	J.Mesher	3BM-TAL
Photo Log			
Photo 1			
<div><div></div><div><div>1. Build berm, 2 m high. Dump garbage near the berm.</div><div>2. Drive over the garbage 3 to 5 times. Work the garbage up the berm a little at a time to pack it. Do this once per week.</div><div>3. Alternate between dumping and packing garbage until packed garbage is 2 m high.</div><div>4. In spring or fall, or when garbage is 3 m wide, cover garbage with 0.3 m of granular material to make a cell.</div><div>5. Repeat steps 1 to 4 until site is full. Then cover all garbage with 0.3 m of granular material. Pack and add more granular material until top is level.</div><div>6. Build new 2 m berm on top of cells.</div><div>7. Repeat steps 1 to 5.</div><div>8. To close out site, put 0.6 m of granular material on cells then pack with bulldozer so that water runs off.</div></div></div>			
Description: description on how landfill should operate.			

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3BM-TAL
Photo Log			
Photo 2			
<div><div></div></div>			



Description: landfill with no defined working face and limited fill.

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3BM-TAL

Photo Log

Photo 3



Description: current lagoon.

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3BM-TQL

Photo Log

Photo 4



Description: new lagoon under construction at the time of the inspection.

