



WATER LICENCE INSPECTION FORM

☒ Original  
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Qikiqtarjuaq		Philip Sanguya	
Licence No. / Expiry		Representative's Title	
3BM-QIK1419		Forman	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
October 3, 2017		Jonathan Mesher	
Activities Inspected			
<input checked="" type="checkbox"/> Camp/Municipality	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Reclamation
			<input type="checkbox"/> Fuel 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		A		Storage		A	
Flow Measure. Device	C	2		Culverts / Bridges		A		Spills		NI	
Source:	C	2		Drainage		A		Spill Plan		NI	
Water Use:	A			Erosion / Sediment		A					
Recirculation ( y /n)	NA			Mitigation Measures		A		Administrative			
				Reclamation Activities		A		Records		NI	
				Materials Storage		A		Reports		NI	
Waste Disposal				Signage		A		Plans		NI	
Waste Water	A							Notifications		A	
Solid Waste	A			Monitoring				Other			
Hazardous Waste	A			Sample Collection / Analysis		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
<b>Background</b>			
The Hamlet of Qikiqtarjuaq has an active licence for the use of 299 cubic meters of water per day and is permitted to dispose of waste in its Sewage Disposal Facility, soil treatment facility, and Solid Waste Disposal Facilities.			
<b>Inspectors Statement</b>			
On October 3, 2017, a water licence inspection was conducted at the Hamlet of Qikiqtarjuaq, Qikiqtani Region, Nunavut. Sites inspected included the Sewage Disposal Facility, soil treatment Facility, the Solid Waste Disposal Facility, and the Water Supply Facility. Recent snowfall made it difficult to identify potential issues on Waste and water management structures.			
<b>Inspection</b>			
<b>Water Use and related structures:</b>			
<div>1. Water is being withdrawn from the Tulugak River as approved in the Water Licence and stored in the reservoir.</div> <div>2. The Inspector is requesting that the licensee accounts for its water usage at the point where it is withdrawn from Tulugak River. This will provide the Nunavut Water Board and the Inspector with An accurate reading of water usage.</div> <div>3. The Licensee must use an excavator and build a temporary dam in a section of the river to create enough water depth to pump water.<div><div>i. This activity does not appear authorized.</div><div>ii. This activity must be approved by the Nunavut Water Board and it is required that the Licensee submit for construction drawings stamped and signed by a qualified Engineer registered in Nunavut, sixty (60) days prior to the construction of any dams, dykes or structures intended to contain, withhold, divert or retain water or wastes as stated in; PART E: CONDITIONS APPLYING TO MODIFICATION AND CONSTRUCTION, Item 1.</div><div>iii. If the construction of a dam is required by the licensee, it is advised that the licensee obtain the appropriate approval prior constructing this water management structure in the future.</div></div></div>			



4. During the 2016 inspection, there were three incident of erosion from rain in the berm walls of the reservoir facility. During the 2017 inspection recent snowfall made it difficult to determine if the erosion issues had been remediated. This issue should be addressed in the 2018 Water Licence inspection.

Sewage Disposal Facility

5. Sewage is being collected in the Sewage Disposal Facility as required in the Licence.
6. During the inspection snow cover made it difficult to determine the condition of this facility.
7. No issues were noted about the operation of this facility.

Solid Waste Facility:

8. Domestic waste is burned and covered as part of their waste management procedures.
9. The site is maintained well and uses an exfiltration system for any leachate that is released from the site.
10. No issues were noted about this site.

Hazardous Material:

11. There is a soil treatment facility in Qikiqtarjuaq that has not yet been commissioned. As documented in previous inspection reports, construction on the soil treatment facility has been delayed and no work has been done since 2011. This facility does not appear to be using water or depositing waste to the environment. No concerns were noted.
12. Hazardous materials and waste are being segregated in different areas around the Hamlet. The Licensee is reminded to remain diligent to prevent these wastes from entering water and the environment.
13. Batteries are being stored and contained within a seacan near the Solid waste disposal facility until such a time they are shipped out of the community.

SECTION 2	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Require
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The licensee is in contradiction of PART E, Item 1, of the water licence 3BM-QIK1419 for the construction of the temporary dam in Tulugak River.

PART E: CONDITIONS APPLYING TO MODIFICATION AND CONSTRUCTION

1.The Licensee shall submit to the Board for approval, for construction drawings stamped and signed by a qualified Engineer registered in Nunavut, sixty (60) days prior to the construction of any dams, dykes or structures intended to contain, withhold, divert or retain water or wastes.

If the construction of a dam is required by the licensee, it is advised that the licensee obtain the appropriate approval prior constructing this water management structure in the future.

Inspector's Name	
Jonathan Mesher	
Signature	
Signature on original report.	
Date	
October 13, 2017	