



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Qikiqtarjuaq		Geela Kooneeliusie	
Licence No. / Expiry		Representative's Title	
3BM-QIK1419		Senior Administrative Officer	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
July 23 , 2015		Justin HACK	
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"/> 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	A			Water Management Structures		A		Storage		A	
Flow Measure. Device	A			Culverts / Bridges		A		Spills		NI	
Source:	A			Drainage		A		Spill Plan		NI	
Water Use:	A			Erosion / Sediment		C	3				
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	U	13, 14		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
Inspectors Statement			
<p>On July 23 2015, a water licence inspection was conducted at the Hamlet of Qikiqtarjuaq, Qikiqtani Region, Nunavut. Sites inspected included the Sewage Disposal Facility, Landfarm Facility, the Solid Waste Disposal Facility, and the Water Supply Facility.</p> <p>Background</p> <p>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, Landfarm, and Solid Waste Disposal Facilities.</p> <p>Inspection</p> <p>Water Use and related structures:</p> <ol style="list-style-type: none">Water is being withdrawn from the Tulugak River as approved in the Water Licence.In 2014, the Hamlet of Qikitarjuaq withdrew approximately a total of 18,699m³ of water and is withdrawing water at approximately the same rate in 2015.Erosion: The road connecting the water reservoir to the water intake facility runs along Tulugak Creek. The creek is causing erosion to this access road and should be addressed to prevent failure of the road.At the time of inspection, the Licensee was requesting to discharge water from the facility so they could complete scheduled cleaning and conduct maintenance to the facility.Berm walls around the Water Storage Reservoir show no signs of slumping or cracking. <p>Sewage Disposal Facility</p> <ol style="list-style-type: none">Sewage is being collected in the Sewage Disposal Facility as required in the Licence.The Licensee was intending to decant from the facility at the end of August 2015. Once discharged, the effluent travels through approximately 1km of wetland into the ocean. At the time of inspection there was no effluent in the wetland to sample.It was noted that groundwater appeared to be entering the eastern side of the lagoon. In order to mitigate this, the licensee has suggested that ditches up gradient of the facility be deepened.No signs of leakage from the facility were evident as identified in the last inspection report.			



Solid Waste Facility:

- 10. Fencing around the Domestic Waste Disposal Facility was in good order.
- 11. Domestic waste is burned and covered as part of their waste management procedures.
- 12. The site is maintained well and uses an exfiltration system for any leachate that is released from the site.

Hazardous Materials and Waste/Landfarm:

- 13. Berms containing hydrocarbon impacted soils were created haphazardly south of the Solid Waste Facility. These berms are not licenced facilities and do not appear to be acting effectively to contain the materials. As detailed in the Licence, all hydrocarbon-impacted soils are to be directed to the Landfarm Facility. As documented in previous inspection reports, construction on the Landfarm facility has been delayed and no work has been undertaken on it since 2011.
- 14. The licensee is to develop a plan that contains a timeline to be provided to the inspector by September 31, 2015 to commission the Licenced Landfarm by October 31, 2016.
- 15. 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.
- 16. Batteries are being stored and contained within a seacan until such a time they are shipped out of the community.

SECTION 2

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Comments

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Non-Compliance with Act or Licence

☐

Action Required

[Click here to enter text.](#)

Inspector's Name

Justin Hack

Signature

Date

August 15, 2015