



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Department of Community Government and Services Government of Nunavut		Bhabesh Roy	
Licence No. / Expiry		Representative's Title	
3BM-RUT1520		Regional Engineer	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
June 23,2017		Jonathan Mesher	
Activities Inspected			
<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: Water Discharge <input checked="" type="checkbox"/> Other: Municipal			

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		NA		Storage		NA	
Flow Measure. Device	A			Culverts / Bridges		NA		Spills		NI	
Source: Char Lake	A			Drainage		NA		Spill Plan		A	
Water Use:	C			Erosion / Sediment		NA					
Recirculation (y /n)	A			Mitigation Measures		NA		Administrative			
				Reclamation Activities		NA		Records		A	
				Materials Storage		NA		Reports		A	
Waste Disposal				Signage		A		Plans		A	
Waste Water	A							Notifications		NA	
Solid Waste	NA			Monitoring				Other			
Hazardous Waste	NA			Sample Collection / Analysis		A					
*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 (s.__)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.__)	<input type="checkbox"/> Action Required (s.__)
Inspectors Statement			
<p>On June 23, 2017, a water licence inspection was conducted at the Hamlet of Resolute Bay, Qikiqtani Region, Nunavut. Sites inspected included the Char Lake and the community's effluent discharge point.</p> <p>The Licence 3BM-RUT is one of 3 licences in the community, this licence allows the community to use 126,020 cubic metres of water per year and sets conditions regarding the deposit of waste. While conducting the inspection, the inspector observed that the marine environment was the final point of discharge for municipal sewage. Sewage discharged in this area flows straight to the ocean and does not cross any inland waters.</p> <p>As per Section 12 of the Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSTRTA) states;</p> <p><i>12.(1) Subject to subsection (2) and except in accordance with the conditions of a licence, no person shall deposit or permit the deposit of waste</i></p> <p><i>(a) in waters in Nunavut; or</i></p> <p><i>(b) in any other place in Nunavut under conditions in which the waste, or any other waste that results from the deposit of that waste, may enter waters in Nunavut.</i></p> <p>And water is defined in the NWNSTRTA as;</p> <p><i>"waters" means, except for the purposes of subsection 41(2), inland waters, whether in a liquid or solid state, on or below the surface of land.</i></p> <p>With this information in mind, during subsequent inspections, the inspector will be addressing this discharge to the marine environment under the Arctic Waters Pollution Prevention Act.</p>			



Inspection

Char Lake

- 1. During the inspection Char Lake was still frozen making it difficult to determine if the water level has changed.
- 2. Records were in good order and made available to the inspector during the inspection.
- 3. The Hamlets allowable water usage is 126 020 000 litres a year. With the need to have a constant flow of water through the pipe lines the hamlet had used 326 439 020 litres in 2016.

Effluent Discharge to the Arctic Ocean

- 1. Discharge point was identified by signage.
- 2. This is a discharge to the Arctic Ocean and does not appear to the inspector to effect inland waters. Figure 1 shows the effluent pipe leading directly to the Ocean

SECTION 2	<input type="checkbox"/> Comments (s.__)	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence (s.__)	<input checked="" type="checkbox"/> Action Required (s.__)
The Licensee is currently in contradiction of the water licence's allowable water usage, The need for a constant flow of water through the pipelines has more than doubled the hamlets water usage limit. It is recommended the hamlet modify the Water Licence 3BM-RUT1520 in order to stay in compliance.			

Photo Log			
Date	Authorization	Camera	Inspector
June 23, 2017	3BM-RUT1520	Sony Cyber shot	Jonathan Mesher



Figure 1: Ocean discharge

Licensee or Representative	Inspector's Name
	J. Mesher
Signature	Signature
	Original On File
Date	Date
	August 15 2017