

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Clyde River		David Arreak	
Licence No. / Expiry		Representative's Title	
3BM-CLY1419		Forman	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
September 27, 2016		Justin HACK	
Activities Inspected			
<div><input checked="" type="checkbox"/> Camp/Municipality<input type="checkbox"/> Drilling<input type="checkbox"/> Mining<input type="checkbox"/> Construction<input type="checkbox"/> Reclamation<input type="checkbox"/> Fuel Storage</div> <div><input type="checkbox"/> Roads/Hauling<input type="checkbox"/> Other:<input type="checkbox"/> Other:</div>			

Conditions: A - Acceptable C - Concern U - Unacceptable NA – Not Applicable NI – Not Inspected

Water Use			Site Conditions			Haz/Mat Management		
	Condition	Comment		Condit ion	Comme nt		Condition	Comment
Intake/Screen	NI		Water Management Structures	A		Storage	A	
Flow Measure. Device	NI		Culverts / Bridges	A		Spills	NI	
Source:	NI		Drainage	A		Spill Plan	A	
Water Use:	A		Erosion / Sediment	A				
Recirculation (y /n)	NA		Mitigation Measures	A		Administrative		
			Reclamation Activities	A		Records	NA	
			Materials Storage	A		Reports	NA	
Waste Disposal			Signage	A		Plans	NA	
Waste Water	A					Notifications	NA	
Solid Waste	A		Monitoring			Other		
Hazardous Waste	C	17	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
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Inspectors Statement

On September 27 2016, a water licence inspection was conducted at the Hamlet of Clyde River, Qikiqtani Region, Nunavut.

The Hamlet of Clyde River has an active licence. The Licensee is permitted to use of 145 cubic meters of water per day, and is permitted to discharge treated sewage into the environment from the Sewage Disposal Facility. No deposit of wastes into the environment are permitted from the Solid Waste Disposal Facility.

Of note, during the inspection two barrels, full of liquid, were discovered in the stream that flows through town. The SAO and the Forman were informed immediately and within an hour the barrels were removed.

Inspection

Water Use and related structures:

1.

Water is being withdrawn from Water Source Lake as approved in the Water Licence.

2.

No issues were noted at the facility.

3.

Culverts managed in the town should be reinforced using best management practices to mitigate damage.

Waste Water Treatment Facility

4.

At the time of inspection, both sewage lagoon cells were in-use and were in the process of their fall decanting.

5.

Berm walls surrounding the facility did not show signs of slumping or cracking.

6.

Freeboard height was sufficient (greater than 1m).

7.

The Licensee highlighted that the gravity fed effluent decant pipe is frozen shut due to permafrost in the berm. To decant the facility, pumping the effluent through hoses over the berm wall has been required.

8.

No concerns were noted with the operation of this facility.

Solid Waste Facility:

9.

The domestic waste site exists on top of a hill located well away from any streams and lakes. The ocean is approximately 1km down gradient of the domestic waste site.

10.

New fencing was installed around the facility to prevent materials from blowing into waters.

11. The Licensee manages domestic waste through a burning and covering procedure.
12. Culverts installed into the domestic waste site appear to capture and channel small amounts of leachate into the surrounding soil. The leachate does not appear to enter any surface waters.

Metal Storage Area:

13. The community is segregating and storing metals, vehicles, and old sewage tanks in the area designated at the Metal Storage Area.
14. This area also is located on the top of a small hill located well away from any lakes and streams.

Reports/Records:

15. Records for Water Use were in good order.

Hazardous Waste:

16. Hazardous materials and waste are being segregated in a berm near the solid waste disposal facility.
17. The Hazardous waste berm appears to be near its capacity. It is advised that this facility be expanded before it accepts any new hazardous waste.
18. Batteries are being stored in a contained sea can in anticipation for transportation to a southern disposal facility reducing possible risk of this waste entering water.

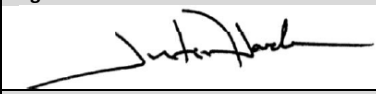
SECTION 2

☐ Comments

☐ Non-Compliance with Act or Licence

☐ Action Required

Click here to enter text.

Inspector's Name	
Justin Hack	
Signature	
	
Date	
October 17, 2016	