



WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Igloolik		Joasai Kublu	
Licence No. / Expiry		Representative's Title	
3BM-IGL1520		Director of Public Works	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
August 9 , 2016		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			Site Conditions			Haz/Mat Management		
	Condition	Comment		Condition	Comment		Condition	Comment
Intake/Screen	A		Water Management Structures	A		Storage	A	
Flow Measure. Device	A		Culverts / Bridges	A		Spills	A	
Source:	A		Drainage	A		Spill Plan	A	
Water Use:	A		Erosion / Sediment	A				
Recirculation (y /n)	NA		Mitigation Measures	A		Administrative		
			Reclamation Activities	A		Records	A	
			Materials Storage	A		Reports	A	
Waste Disposal			Signage	A		Plans	NI	
Waste Water	A					Notifications	NA	
Solid Waste	C	13, 14	Monitoring			Other		
Hazardous Waste	A		Sample Collection / Analysis	NI				
<i>*The number in the comments field will correspond with specific comments provided below.</i>								
Samples taken by Inspector:			Location(s):					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								

SECTION 1 ☒ Comments ☐ Non-Compliance with Act or Licence ☐ Action Required

Inspectors Statement

On August 9 2016, a water licence inspection was conducted at the Hamlet of Igloolik, Qikiqtani Region, Nunavut. Sites inspected included the freshwater lake (South Lake), potential secondary water source (Fish Lake), water storage reservoir, sewage lagoon, hazardous materials storage area.

The water licence was is valid from March 31, 2015 and is to expire on March 30, 2020.

Water Use and related structures:

1.

The licensee is permitted to use up to 299 cubic metres of water per day. Appropriate records of water use were being maintained.

2.

Water is being withdrawn from South Lake using the appropriate Water Supply Facilities which consists of a diesel water pump that pumps water along a pipeline extending from South Lake to the Water Storage Reservoir.

a.

The pump and diesel tank were located approximately 20m within secondary containment from the South Lake. See figure 1

3.

At the time of the inspection, pumping was not occurring because the Hamlet was intending to draw down the reservoir to prepare for an expansion of the facility.

a.

While work is occurring on the facility, water will be withdrawn by water truck directly from South Lake.

4.

Fish Lake was inspected, which is located approximately 30 minutes from the municipality; no water was being used from this lake at the time of inspection.

5.

No concerns with erosion or sedimentation were apparent at the time of inspection at any Water Use Facility or related structure.

Waste Water Treatment Facility

6.

At the time of inspection, the sewage lagoon was in-use, operating as intended, and was retaining the sewage until decanting occurs.

7.

Berm walls surrounding the facility were starting to show signs of minor slumping or cracking; however, this facility is going to be repaired 2016/2017. See figure 3 and 4

8.

Freeboard height was sufficient.

9.

No concerns were noted with the operation of this facility.



Metal Storage Area:

10. Metal and Hazardous Wastes were being segregated in the Metal Storage Area.
11. Hazardous wastes were being stored in sea cans in preparation for southern disposal. No signs of waste entering water were noted at this area.

Domestic Waste Facility

12. The Licensee manages domestic waste through a burning and covering procedure.
13. The Licence requires that all solid wastes be permanently contained within the Solid Waste Disposal Facility.
There were no signs of leachate coming from the facility at the time of inspection; however, considering this is an unlined and unbermed facility, leachate generation during rain events is likely.
14. Since the Domestic Waste Facility in its current form is an approved facility under the water licence, the Water Board and/or Hamlet should address the management of leachate and include its generation and discharge as part of the water licence.

SECTION 2

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Comments

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Non-Compliance with Act or Licence

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Action Required

Click here to enter text.

PHOTO LOG

Date	Camera	Inspector	Authorization
08/08/2016	SONY DSC-HX50V	Justin Hack	3BM-IGL1520



Figure 1 (South Lake water pump)



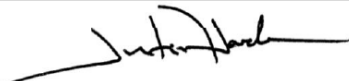
Figure2 (water reservoir)



Figure 3 (Sewage lagoon)



Figure 4 (sewage lagoon)

Inspector's Name	
Justin Hack	
Signature	
	
Date	
September 23, 2016	