



WATER LICENCE INSPECTION FORM

Original
 Follow-Up Report

Licensee		Licensee Representative							
Department of National Defence		Ian Creighton							
Licence No. / Expiry		Representative's Title							
3BC-BAF0919		Major							
Land / Other Authorizations		Land / Other Authorizations							
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Date of Inspection		Inspector							
Sept 7, 2015		Justin HACK							
Activities Inspected									
<input type="checkbox"/> Camp <input type="checkbox"/> Roads/Hauling		<input type="checkbox"/> Drilling <input type="checkbox"/> Other: Culvert		<input type="checkbox"/> Mining <input type="checkbox"/> Other: Culvert		<input type="checkbox"/> Construction <input type="checkbox"/> Other: Bridge		<input checked="" 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		C	3	Storage	A	
Flow Measure. Device	A		Culverts / Bridges		NA		Spills	A	
Source:	A		Drainage		A		Spill Plan	A	
Water Use:	A		Erosion / Sediment		A				
Recirculation (y /n)	N		Mitigation Measures		A		Administrative		
			Reclamation Activities		A		Records	A	
			Materials Storage		A		Reports	A	
Waste Disposal			Signage		A		Plans	A	
Waste Water	C	7					Notifications	C	7
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 (s.1)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.____)	<input type="checkbox"/> Action Required (s.____)
Background			
<p>Nunavut Water Licence 3BC-BAF0919 was issued to the Department of National Defence for the Direct Use of Water and the Deposit of Waste on Brevoort Island, Qikiqtani Region, Nunavut.</p> <p>The licence allows for the use of 1750m³ of water per year, so long as the source water body is not drawn down. It also allows for the deposit of sewage to a sump, and the discharge of effluent from the Landfarm and Contaminated Soil Storage Area. The Licensee must ensure all leachate from the Landfill facility remains contained. No other uses of water or deposits of waste are authorized.</p>			
Observations			
<p>A site inspection was completed on September 7th, 2015 to verify the activities related to the authorized uses of water and deposits of waste at Brevoort Island.</p>			
<p>Direct Water Use</p> <ol style="list-style-type: none"> 1. It was noted that all water for domestic camp purposes was being withdrawn from Water Supply Lake. <ol style="list-style-type: none"> a. No indication of drawdown was evident at Water Supply Lake. b. Water records were available for inspection. 			
<p>Water Management Structures</p> <ol style="list-style-type: none"> 2. <i>Old Tank Farm Secondary Containment</i> - An old secondary containment structure designed to hold water related to the old tank farm near the beach had significant slumping in one section. <ol style="list-style-type: none"> a. After confirmation that the water within the facility was within discharge criteria, the Licence requested on September 17, 2015 to breach this berm so that this structure no longer stores waters. b. Pictures were sent confirming this berm was breached and this facility can no longer store water. 3. <i>Landfarm Containment Structure</i> – Water is contained within the Landfarm footprint. <ol style="list-style-type: none"> a. The liner within the facility requires maintenance and there is limited freeboard. b. There have been no notifications of discharge from this facility in 2014 or 2015. c. I am concerned that this facility is not being managed as intended. This facility is approved under the Water Licence and certain conditions relating to its management are required. Please provide a plan moving forward to be included in your Annual Report due March 31, 2016 regarding this facility so the water liabilities associated with it can be addressed. 4. <i>Spill Contingency Sump</i> <ol style="list-style-type: none"> a. The Licensee constructed a sump as a remediation technique for the spill that occurred on site. There are no concerns with this unlicensed sump but the licensee is reminded to re-contour this location when the spill site is 			



remediated.

Waste Disposal/Discharges

5. *Sewage Outfall*

- a. Sewage is being discharged into a sump as intended and then flows over a significant amount of land before it may enter any water.
- b. This activity is being managed as intended.
- c. No concerns.

6. *Major Spill on Site*

- a. The Licensee is continuing to address the major spill that occurred on site.
- b. No other issues related to water use or waste disposal were observed.

7. *Landfarm Discharge*

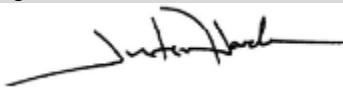
- a. As noted above, there have been no discharges from this facility in the last 2 years.
- b. Again, please provide a plan moving forward regarding this facility so the water liabilities associated with it can be addressed.

8. *Domestic Waste*

- a. It was noted that all domestic waste is being transported offsite.

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SECTION 2 **Comments (s.2_)** **Non-Compliance with Act or Licence, (s.)** **Action Required (s.)**

Licensee or Representative	Inspector's Name Justin Hack
Signature	Signature 
Date	Date November 9, 2015

Office Use Only: Follow-up report to be issued by Inspector

Yes No

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