



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Pond Inlet		Jona Koonark	
Licence No. / Expiry		Representative's Title	
3BM-PON1520		Public Works Supervisor	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
August 06 , 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"/> 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
Intake/Screen	A			Water Management Structures		A	
Flow Measure. Device	A			Culverts / Bridges		A	
Source:	A			Drainage		A	
Water Use:	A			Erosion / Sediment		A	
Recirculation (y / n)	NA			Mitigation Measures		A	
				Reclamation Activities		A	
				Materials Storage		A	
Waste Disposal				Signage		A	
Waste Water	A						
Solid Waste	A			Monitoring			
Hazardous Waste	U	21		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 August 6 2015, a water licence inspection was conducted at the Hamlet of Pond Inlet, Qikiqtani Region, Nunavut.</p> <p>Since the last inspection in 2014, the Hamlet of Pond Inlet has been granted a new licence. This new licence is active until 2020 and allows for the withdrawal of water from Salmon River, the storage of water in the Water Lake Reservoir, the discharge of effluent from the sewage treatment facility, the discharge of effluent from the Landfarm facility, and the construction of a water crossing at the Salmon River. The Licence does not give the Hamlet authority to discharge leachate (treated or untreated) from any waste disposal areas not mentioned above.</p>			
Inspection			
Water Use and related structures:			
<ol style="list-style-type: none">Water is being withdrawn from Salmon River and discharged into the Water Reservoir for storage.Overflow culverts are in good condition. No indications of slope instability, ground instability, leakage or its manifestations.Concern was noted about the proximity of the back-up diesel tank at the Water Pumping Station during the previous inspection in 2014. This issue will be flagged to Government of Nunavut, Department of Health to determine whether this is an appropriate location. During this inspection, the Licensee has outlined that removing this tank is impractical because its use may be required during a power outage. There is no requirement in the Licence that requires this tank to be moved and one does not need a water licence for the storage of fuel. However, considering the proximity of the tank to the Raw Water Intake, the Licensee should remain diligent ensuring that no spills or leaks from this tank enter the environment.No issues other issues were noted at the facility.A secondary source of raw water has been identified by the Licensee in case of emergencies.			
Waste Water Treatment Facility			
<ol style="list-style-type: none">At the time of inspection, the sewage lagoon was in-use, operating as intended, and was retaining the sewage until decanting occurs. The Licensee has notified the Inspector this year about their intention to decant.Berm walls surrounding the facility did not show signs of slope instability, leakage, cracking or its manifestations.Freeboard height was sufficient.The Licensee highlighted that the gravity fed effluent decant pipe is frozen shut due to permafrost in the berm.			



To decant the facility, the Licensee siphons the effluent through hoses over the berm wall. I have no concern with this practice.

10. No concerns were noted with the operation of this facility.

Lardfarm Facility

- 11. The Landfarm is a lined facility that appears to be functioning properly.
- 12. No slope instability, ground instability, leakage or its manifestations are evident.
- 13. The facility does not appear to be actively used and tracked vehicles marks appear on the side walls.
- 14. It is recommended that this facility is secured with a fence to ensure the integrity of the liner.
- 15. No discharges from this facility have occurred in 2015.

Domestic Waste Facility

- 16. The Licensee manages domestic waste through a burning and covering procedure.
- 17. There were no signs of leachate coming from the facility at the time of inspection.

Reports/Records:

- 18. Records for Water Use were in good order.
- 19. Issues related to Part H (Monitoring Program) of the Licence will be addressed during the next Water Licence Compliance Working Group.

Hazardous Waste:

- 20. Paints, batteries, and some hazardous materials are being stored and segregated in seacans near to the sewage disposal facility.
- 21. Another facility, labelled as the ‘Waste Oil cell’ has a sump containing water. Waste oil barrels are dumped beside the sump. There is no outside catchment feeding into this pond, however, it is unlikely this pond is lined preventing contamination from leaching out.
 - Considering this facility was designed to be a storage or water, which constitutes a use under the Act, it should be licenced by the Nunavut Water Board.

SECTION 2 ☐ **Comments** ☐ **Non-Compliance with Act or Licence** ☐ **Action Required**

Click here to enter text.

Inspector’s Name

Justin Hack

Signature

Date

September 23, 2015