



WATER LICENCE INSPECTION FORM

☒ Original  
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Arctic Bay		Sam Willie	
Licence No. / Expiry		Representative's Title	
3BM-ARC1419		Acting Senior Administrative Officer	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
August 07 , 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		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	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<u>Inspectors Statement</u>			
<p>On August 7 2015, a water licence inspection was conducted at the Hamlet of Arctic Bay, Qikiqtani Region, Nunavut.</p> <p>Since the last inspection in 2014, the Hamlet of Arctic Bay has been granted a new licence, active until 2019. The Licensee is permitted to use 299 cubic meters of water per day, and is permitted to discharge treated sewage into the environment from the Waste Water Treatment Facility. The Licence does not grant the right to deposit of wastes into the environment (leachate) for the Solid Waste Disposal Facility.</p> <p><u>Inspection</u></p> <p><b>Water Use and related structures:</b></p> <ol style="list-style-type: none"><li>Water is being withdrawn from Marcil Lake as approved in the Water Licence.</li><li>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. 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 Marcil Lake.</li><li>No issues other issues were noted at the facility.</li><li>A secondary source of raw water has been identified by the Licensee in case of emergencies.</li></ol> <p><b>Waste Water Treatment Facility</b></p> <ol style="list-style-type: none"><li>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.</li><li>Berm walls surrounding the facility did not show signs of slumping or cracking.</li><li>Freeboard height was sufficient.</li><li>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.</li><li>No concerns were noted with the operation of this facility.</li></ol>			



Metal Storage Area:

10. During this inspection, the Licensee has requested to expand their metal storage facility to on top of the reclaimed sewage lagoon (which now exists as a pad of crushed rock). The Metal Storage Area is running out of space and the Hamlet has indicated their desire to use this area.
11. In 2014, Inspector Keim outlined that an option in order for the Hamlet to proceed with the use of the site would be to apply for an amendment to their water licence. Other options exist for the Licensee, whereas the Licensee may ask the Board in writing to use this area, as outlined in Part D, Item 6. Furthermore, the Licensee could also proceed with the activity without it being licenced; however, since this activity would not be licenced, the Licensee would gain no protection or rights as afforded to them by a Licence. The activity would continue to be governed by the Nunavut Water and Nunavut Surface Rights Tribunal, whereas, no person shall deposit waste to water or any other place where waste may enter water.
12. There is a small stream that flows through the existing metal storage area that should be diverted to prevent leachate.

Domestic Waste Facility

13. The Licensee manages domestic waste through a burning and covering procedure.
14. There were no signs of leachate coming from the facility at the time of inspection.
15. In the previous inspection, the Inspector noted that a fence was to be installed prior to the next inspection. No fence was installed at the time of this inspection; however, the Hamlet has taken measures to control windblown material by being diligent by better managing their domestic waste.

Reports/Records:

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

Hazardous Waste:

18. Paints, batteries, and some hazardous materials are being stored and segregated in seacans at the Metal Storage Area.

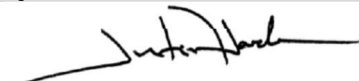
SECTION 2

☐ Comments

☐ Non-Compliance with Act or Licence

☐ Action Required

Click here to enter text.

Inspector's Name	
Justin Hack	
Signature	
	
Date	
August 26, 2015	