



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Kimmirut		Hosea Mpofu	
Licence No. / Expiry		Representative's Title	
3BM-KIM0911 (expired)		Senior Administrative Officer	
Land / Other Authorizations			
None			
Date of Inspection		Inspector	
August 12, 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	Haz/Mat Management		Condition	Comment
Intake/Screen				Water Management Structures				Storage			
Flow Measure. Device				Culverts / Bridges				Spills			
Source:				Drainage				Spill Plan			
Water Use:				Erosion / Sediment							
Recirculation (y /n)				Mitigation Measures				Administrative			
				Reclamation Activities				Records			
				Materials Storage				Reports			
Waste Disposal				Signage				Plans			
Waste Water								Notifications			
Solid Waste				Monitoring				Other			
Hazardous Waste				Sample Collection / Analysis							
*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 12 2015, an inspection was conducted at the Hamlet of Kimmirut, Qikiqtani Region, Nunavut to identify any uses of water and deposits of wastes into the environment. The Hamlet is not authorized to use any water or deposit any wastes that may enter waters.</p> <p>The Hamlet of Kimmirut has been without a valid water licence since January 2011. An Application for a Renewed Water Licence was submitted on August 12, 2013; however, no licence has been issued as of yet.</p> <p>Inspection</p> <p>Unlicensed Water Use:</p> <ol style="list-style-type: none">Fundo Lake<ul style="list-style-type: none">Water is being withdrawn from Fundo Lake via a water pumping station.The quantity of water withdrawn from this lake was being accounted for. No evidence of drawdown from water use was evident at this lake.The jetty entering the reservoir was in good condition. No signs of erosion were evident.The use of water from this lake is not authorized without a valid water licence.Secondary Water Source<ul style="list-style-type: none">A secondary source of raw water has been identified by the Licensee in case of emergencies. This Licensee should consider having this secondary source reviewed for the Nunavut Water Board as a source of Water in case of emergencies.The use of water from this source is not authorized without a valid water licence.Dams<ul style="list-style-type: none">Two dams were built previously for the purpose of sewage retention ponds. These dams are referred to as the Enhanced Sewage Lagoon in the previous licence. At the time of the inspection no sewage was being deposited in the facility; however, water is naturally accumulating behind these structures.There is a small leak at the toe of the lower dam allowing a small stream of water to flow out of the facility.The storage of water by means of dykes of dams is considered a use of water and this use is not permitted without a valid water licence.			



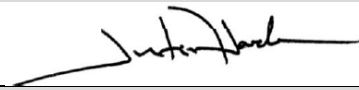
Unlicensed Deposits of Waste (that may trigger the Nunavut Water and Nunavut Surface Rights Tribunal Act, section 12)

- Municipal Wastewater
 - Municipal wastewater is being discharged at a location approximately 300m from the ocean. The wastewater flows over land before it enters the ocean. The ocean acts as the major receiving environment for this discharge.
 - The wastewater does not enter any other streams or lakes before it enters the ocean.
 - Samples were not taken at the time of inspection; however, the Hamlet will want to ensure this effluent meets all relevant legislative requirements before it enters the ocean.
- Municipal Refuse
 - Municipal refuse is stored in the vicinity of the Municipal Waste Water Discharge location.
 - The refuse is stored, burned and covered by cover material as part of the process to manage this refuse.
 - This facility is not lined.
 - Leachate likely runs-off this facility at or near the discharge location of the municipal waste water.
 - Although no signs of leachate were evident at the time of the inspection, the leachate would likely enter the receiving ocean environment 300m downstream of the facility.
 - Again, the Hamlet should ensure that all leachate from this facility meets all legislative requirements before it enters the ocean.

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

The Hamlet of Kimmirut is currently using water without the authorization from a valid water licence. This is in contravention of the Nunavut Waters and Nunavut Surface Rights Tribunal Act, section 11. In order for Kimmirut to be authorized for their current activities they must hold a water licence for the **use of water**. This includes the use of water related to the use of Fundo Lake as a Water Source, the use of a secondary water lake, and the use of water related to the storage of water by means of dams or dykes related to the enhanced storage facility.

Regarding the discharges of the wastewater and leachate into the ocean, the Hamlet should be aware that other legislation, both Federal and Territorial, likely applies to this discharge of effluent into the ocean and should ensure compliance with all other relevant regulations. This will be flagged to Environment Canada and the Government of Nunavut, Department of Health as a possible issue of concern under their jurisdictions.

Inspector's Name	
Justin Hack	
Signature	
	
Date	
October 15, 2015	