



INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
City of Iqaluit	NA
Licence No. / Expiry	Representative's Title
3AM-IQA1626	
Land / Other Authorizations	Land / Other Authorizations
Date of Inspection	Inspector
August 20, 2019	Jonathan MESHER
Activities Inspected	
<input type="checkbox"/> Camp	<input type="checkbox"/> Drilling
<input checked="" type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Mining
	<input checked="" type="checkbox"/> Construction
	<input type="checkbox"/> Reclamation
	<input checked="" type="checkbox"/> Fuel Storage
	<input checked="" type="checkbox"/> Other: Municipality

SECTION 1

☒ Comments (s. \_\_)

☐ Non-Compliance with Act or Licence (s. \_\_)

☐ Action Required (s. \_\_)

Inspectors Statement

On August 20, 2019, an inspection was conducted by WRO Jonathan MESHER of the road leading to “Unnamed Lake”, the pipe line from Niaqunguk river to Lake Geraldine. The inspection was to ensure that the City remains in compliance with the Nunavut Waters and Nunavut Surface Rights Tribunal Act and their current license.

Inspection

1. Road to Unnamed Lake and associated water management structures

a.

At the time of the inspection there was approximately 9 construction workers on site, the road was approximately 30m from the water’s edge of the Unnamed Lake, No pumps or generators were located at the lake during the inspection; however, the inspector did note that near the construction site there appeared to be elevated levels of TSS in the water (see photo #1).

b.

Jean Samuel working with Kudlik Construction informed the inspector that the shoreline near the road appeared to be too shallow for the pumps to be installed and that the pumps approximately require 6 feet of water.

c.

At approximately N63.760569 W68.460616 there are 3 small pipes buried in the road, when questioned about the usage of the pipes Matthew Follett of Stantec informed the inspector that this it is outside the scope of the work. The water in this area normally flowed down an ATV trail and pooled next to the previous road. At some point during the construction an excavator had dug a ditch to divert this water away from where it normally pools to the pipes. These pipes are to be replaced by an appropriate sized culvert (See photo # 2 and 3).

d.

As noted in the previous inspection of the area on August 13, 2019 by Justin Hack “There is a pooling of water on the upslope side of the road near the 0+200 survey posting. Given that there has been no rainfall event in Iqaluit recently and there is pooling on the upslope side of the road at this location, there is concern that there will be a significant accumulation of water at this location and may cause instability of the roadway. Refer to Part F for requirements related to building structures that may affect water” (see photo #4).

e.

Also noted in the previous inspection of the area on August 13, 2019 by Justin Hack “Kudlik is storing a fuel truck at the beginning of the construction area. This truck is actively leaking fuel onto the ground. Truck #D-26. A spill report must be filled with the NT-NU Spill Line (Part H, Item 2).” Along with the submission of a spill report the inspector is requesting that the licensee provide documentation of the proper clean up and disposal of the affected soils (see for the current leaking fuel truck, Photo #5).

2. Pipeline from Niaqunguk River to Lake Geraldine

a.

During the inspection of the pipeline the inspector noted plastic shavings inside and at the end of the pipe. The licensee is to provide plan to prevent this plastic from being deposited into




Lake Geraldine (See photo 6).

- b. During the inspection it was noted that there is significant soil at the end of the pipe leading into Lake Geraldine and it may cause erosion and elevated levels of TSS. The inspector is requesting that the licensee install the appropriate erosion control measures at the end of the pipe to disperse the flow out if the end of pipe (see photo 7 for the area of concern).
- c. While at the pumping location it was noted that the there is a cache of sand bags near the Niaqunguk River shoreline, the inspectors questioned 2 people on site about the purpose of the sand bags, one answer was that they will be damming the river and the second answer was that they will be constructing a weir (partially damming the river). The inspector is requesting that the licensee provide the approval to conduct this activity, as it does not appear to be mentioned in the City of Iqaluit’s Request for Immediate Approval to Supplement Drinking Water Supply.

Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
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**The following is a list of non-compliance and actions required by the Licensee:**

1. Due to the lack of implemented measures to mitigate sediment release into water, the licensee is out of compliance with Part F, Item 8 of the Water Licence 3AM-IQA1626 which states, “The Licensee shall develop and implement measures necessary to prevent and mitigate erosion and/or the release of sediment into Water during the construction of the Upgraded Wastewater Treatment Plant or during any construction activities associated with the Undertaking.”
2. The licensee shall implement measures to prevent or mitigate erosion and/or the release of sediment into Water as required in Part F, Item 8. Therefore the inspector is requesting that culverts be considered at approximately N63.760569 W68.460616, near survey post 0 +200, or any other location that may be affected.
3. The licensee is to file a spill report to the NT-NU spill line and the inspector as required in Part H, Item 2b, which states; “Report the incident immediately via the NWT/NU 24-Hour Spill Reporting Line (867) 920-8130 and to the Inspector at (867) 975-4295; and”.
4. The licensee is to provide a plan to ensure the plastic shavings from within the pipe do not enter Lake Geraldine.
5. The licensee is to provide the approvals to dam or partially dam the Niaqunguk River.
6. The inspector is requesting that the licensee install the appropriate erosion control measures at the end of the pipe to disperse the flow out of the end of pipe.

Licensee or Representative	Inspector's Name Jonathan Mesher
Signature	Signature 
Date	Date August 22, 2019

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input type="checkbox"/> No
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CC:

Licensing Department, NWB  
Justin Hack, Manager of Field Operations, CIRNAC






PHOTO LOG

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA1626
Photo Log		Location Iqaluit	
Photo 1			
			
Description: Elevated TSS near construction site.			

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA1626
Photo Log		Location Iqaluit	
Photo 2			
			
Description: Recently excavated drainage			





Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA1626
Photo Log		Location Iqaluit	
Photo 3			
			
Description: Three pipes being used as a culvert			

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA1626
Photo Log		Location Iqaluit	
Photo 4			
			
Description: Water accumulation near survey post 0+200			





Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA1626
Photo Log		Location Iqaluit	
Photo 5			
			
Description: Fuel Leaking under from Kudlik Fuel truck D-26			

Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA1626
Photo Log		Location Iqaluit	
Photo 6			
			
Description: Visible shavings at the end of the pipe.			





Date	Camera	Inspector	Authorization
	Sony Cyber-shot	J.Mesher	3AM-IQA
Photo Log		Location Iqaluit	
Photo 7			
			
Description: Lack of erosion control measures in place.			