Water Licence Inspection Report

☒Original
☐Follow-Up Report

Authorization	Representative
Hamlet of Kugluktuk	**Kevin Niptanatiak**
Authorization No. / Expiry	**Representative's Title**
3BM-KUG2030/December 7, 2030	**SAO**
Inspection Date	**Inspector**
October 08, 2025	**Isaiah James Bolt**
Other Authorization/s	
Activities Inspected	
☒**Municipal** ☐ **Camp, Commercial** ☐ **Drilling** ☐ **Mining** ☐ **Construction** ☐ **Reclamation** ☐ **Fuel Storage** ☐ **Roads/Hauling** ☐ **Winter Hauling** ☐ **Camp, Private** ☐ **Other** Click or tap here to enter text.	

Section 1 Comments

On October 08, 2025 Resource Management Officer Isaiah James Bolt (Inspector) for Crown Indigenous Relations and Northern Affairs Canada (CIRNAC), conducted an inspection of 3BM-KUG2030 (License) issued to Hamlet of Kugluktuk (Proponent) to ensure compliance against their license.

I, James Bolt, had met with the water treatment plant operator Darrell Enogaloak at the treatment plant at 10am.

1. Pictures of the water log was taken. No concerns noted within the treatment plant. The hamlet is well within their daily limit of (299) Cubic metres per day. (Photos #1-2). A photo of the flow metre screen was taken (Photo #3).
2. The water treatment plant is designed to backwash dirty water out of the filters, this water is then pumped into a lined berm outside of the building facility (Photo #4). This water is then supposed to flow over the berm wall and exfiltrate into the environment. The action of the water flowing over the designated berm wall causes erosion and is washing away sand and small rock from the tundra (Photo #5). Inspector Bolt questioned the system and Shaun mentioned that the concern was raised with GN inspectors during a different inspection. The community is planning to riprap the area to mitigate erosion.
3. Inspector Bolt and Darrell went to observe the water intake location, KUG-1 (Photo #6 and #7). Darrell confirmed that there is a screen on the water intake line. The intake pump and screen are placed on a plastic floating dock that help bring the pump further out from the shore. No concerns noted at the intake location.
4. The sewage lagoon was inspected at 10:45am. At the south side sewage truck discharge location, a large rock was observed inside the lagoon, sitting on the liner (Photo #8). The east side sewage truck discharge location was observed. This location is known for its eroding berm under the right side of the blockade (Photo #9). This erosion may be causing the inside of the berm and liner to slump inward seen in (Photo #10). A fuel drum (502L) was observed in the south west corner of the lagoon (Photo #11). Oil staining under the decanting pump shows old oil leaks/spills on the north west corner (Photo #12).
5. The main garbage dump was inspected. Batteries were observed on the ground and open to the elements (Photo #13).
6. A pile of burnt propane tanks and unburnt propane tanks were observed on the ground and exposed to the elements (Photo #14). They are improperly sorted and amongst refuse.
7. The "Landfarm" location was inspected. The landfarm location is being used as a hazardous waste storage area. A large fire on July 16, 2025 caused a lot of the stored drums and propane to catch fire. Drums were exploding which lead to more small fires to ignite. A lot of the drums are burnt and opened. Some of the drums still have product in them. It is uncertain as to how much product was stored and how much may have leaked due to compromised drums (Photo #15).
8. The landfarm area is still being used as a hazardous waste berm as new full waste drums have been placed since the fire (Photo #16).
9. The open Burn area was inspected (Photo #17).

10. Inside the main dump (Open burn area) area are 2 groups of stored drums. Some labelled waste oil but also some containing glycol and many are empty (Photo #18 and #19). A new lined hazardous containment berm should be considered to deal with all the fuel and wastes here and within the Landfarm facility.
11. The metal dump was inspected (Photo # 20, #21). The pile of metals was in the process of being moved and sorted before the inspection. All white wastes (Fridges and freezers) are being segregated (Photo #22).
12. Kug-2 was inspected. All water was stagnant and showed no signs of migration, No concerns noted (Photo #23 and #24).

Section 2 Non-Compliance

1. Backwash pond causing erosion. Part C: #7 of the issued water license states: *"The Licensee shall implement sediment and erosion control measures, prior to and during operations, to prevent entry of sediment into Water."*
2. A rock and a 502L drum in the sewage lagoon. Part D: #6 of the issued water license states: "*The Sewage Disposal Facility shall be maintained and operated, to the satisfaction of an Inspector and in such a manner as to prevent structural failure."*
3. Batteries on the ground out of containment. Propane tanks on the ground. Part D #7 of the issued water license states: *"The Licensee shall manage all solid Waste disposed of at the Solid Waste Disposal Facility in accordance with acceptable standard and practices."*
4. Contaminated soil farm being used as hazardous waste facility. Part D #11 of the issued water license states: *"The Licensee shall segregate and store all hazardous materials and/or hazardous Waste within the Solid Waste Disposal Facility in such a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at an approved facility."*

Section 3 Action Required

1. Mitigate erosion at the backwash pond behind the water treatment facility.
2. Remove the 502L drum from the lagoon.
3. Remove the Rock from the lagoon. Clean oil/fuel spills under the decanting pump.
4. Store all batteries in Poly lined boxes for storage and eventual removal.
5. Sort and segregate all propane tanks.
6. Draft a remedial action plan for the removal, clean up and storage of all Items in the Landfarm facility. (South East corner of the SWDF)

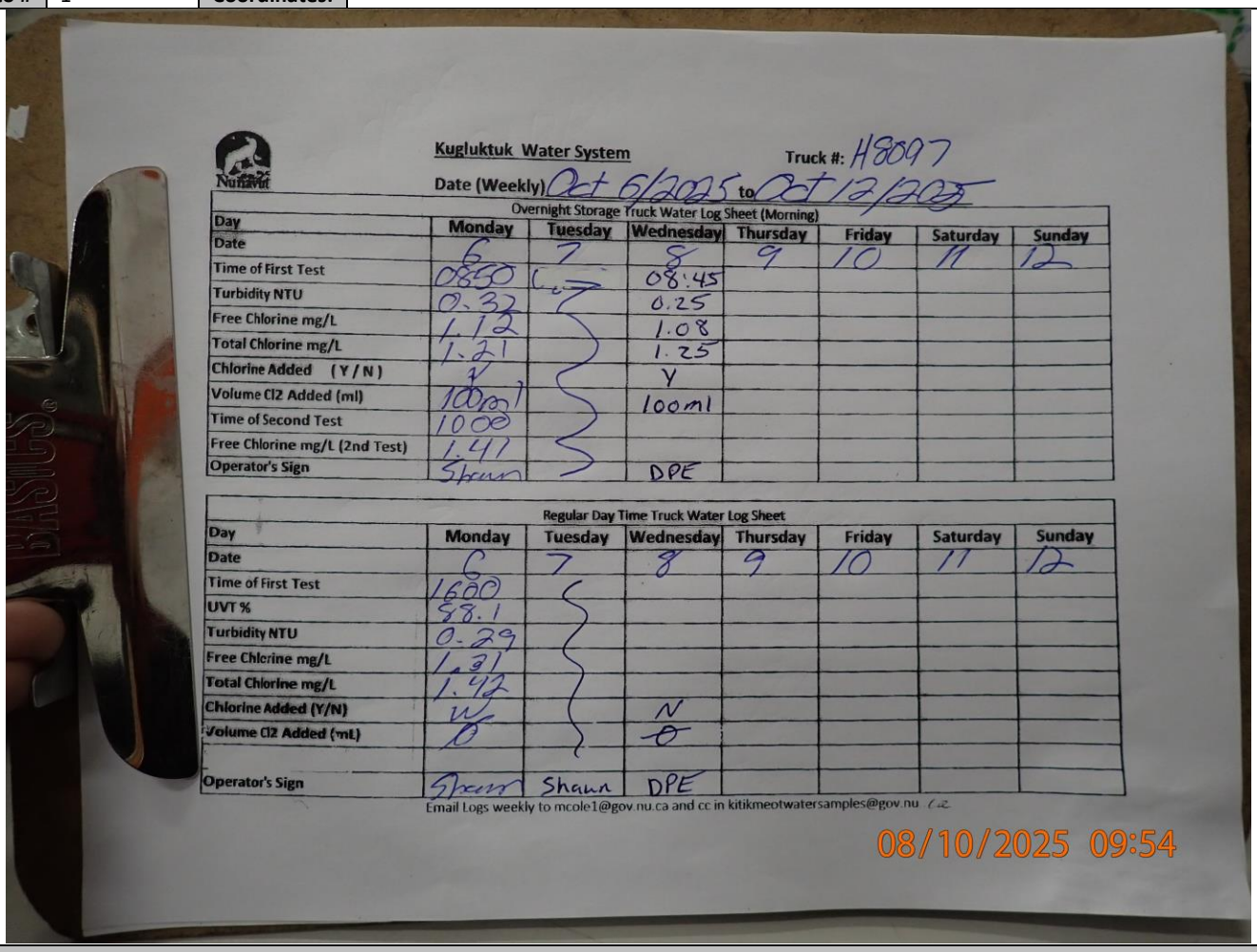
   Please have all Actions Required done by December 31, 2025 and submit the Remedial Action Plan to me.

Licensee or Representative	**Inspector's Name**
Hamlet of Kugluktuk	Isaiah James Bolt
Signature	**Signature** James Bolt
Date	**Date** 03/11/2025

Office Use Only: Follow-up report to be issued by Inspector ☐ Yes ☐ No

PHOTO LOG			
Date:	**Authorization Number:**	**Camera/Model:**	**Inspector**

Photo #	1	**Coordinates:**	



Kugluktuk Water System — Truck #: H8097

Date (Weekly) Oct 6/2025 to Oct 12/2025

Overnight Storage Truck Water Log Sheet (Morning)

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date	6	7	8	9	10	11	12
Time of First Test	0850		08:45				
Turbidity NTU	0.32		0.25				
Free Chlorine mg/L	1.12		1.08				
Total Chlorine mg/L	1.21		1.25				
Chlorine Added (Y/N)	Y		Y				
Volume Cl2 Added (ml)	100ml		100ml				
Time of Second Test	1000						
Free Chlorine mg/L (2nd Test)	1.41						
Operator's Sign	Shaun		DPE				

Regular Day Time Truck Water Log Sheet

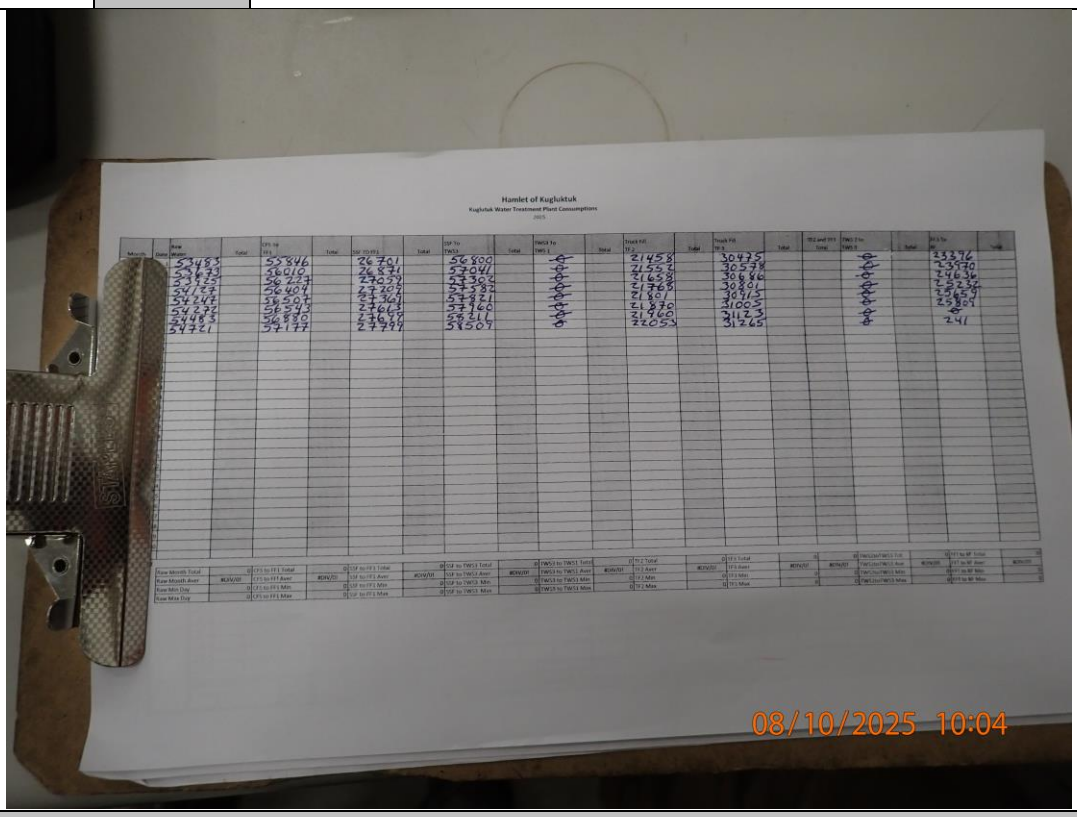
Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Date	6	7	8	9	10	11	12
Time of First Test	1600						
UVT %	98.1						
Turbidity NTU	0.29						
Free Chlorine mg/L	1.31						
Total Chlorine mg/L	1.42						
Chlorine Added (Y/N)	N		N				
Volume Cl2 Added (mL)	0		0				
Operator's Sign	Shaun	Shaun	DPE				

Email Logs weekly to mcole1@gov.nu.ca and cc in kitikmeotwatersamples@gov.nu

08/10/2025 09:54

Description:
Water treatment log

Photo #	2	Coordinates:	



Description:

Water use Log

Photo #	3	Coordinates:	



Description:

Water meter on screen.

Photo #	4	Coordinates:	



Description:

Water filter backwash pond.

Photo #	5	Coordinates:	



Description:

Backwash pond erosion.

Photo #	6	Coordinates:	



Description:

KUG-1 water Intake location.

Photo #	7	Coordinates:	



Description:

KUG-1 water intake pump on the dock.

Photo #	8	Coordinates:	



Description:

Sewage truck discharge location (South side). Image shows a sewage truck dumping into the lagoon. A rock is seen at the water line that rolled form the berm.

Photo #	9	Coordinates:	



Description:

East side sewage truck discharge location. Erosion of the berm on the right side of the blockade.

Photo #	10	Coordinates:	



Description:

Slumping of the inside of the lagoon. (East side truck discharge location)

Photo #	11	Coordinates:	



Description:

502L drum inside the lagoon.

Photo #	12	Coordinates:	



Description:

Staining under the decanting pump.

Photo #	13	Coordinates:	



Description:

Batteries stored on the ground and exposed to the elements.

Photo #	14	Coordinates:	



Description:

Propane tanks stored improperly. No sorting at all. Some tanks were burnt in the fire.

Photo #	15	Coordinates:	



Description:

Landfarm facility from the entrance.

Photo #	16	Coordinates:	



Description:

Full 502L waste drums stored in the back of the landfarm facility.

Photo #	17	Coordinates:	



Description:

Open Burn area.

Photo #	18	Coordinates:	



Description:

More waste drums, 1000L totes and buckets stored outside of containment.

Photo #	19	Coordinates:	



Description:

Green oil burner and drums of waste to be burned, outside of containment.

Photo #	20	Coordinates:	



Description:

Metal dump as seen from the road.

Photo #	21	Coordinates:	



Description:

Metal Dump view 2 as seen from the road.

Photo #	22	Coordinates:	



Description:

Segregated freezers and fridges.

Photo #	23	Coordinates:	



Description:

Kug-2 sample location at bulk metal facility.

Photo #	24	Coordinates:	



Description:

Kug-2 view 2. Water is stagnant and does not flow.