



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Kugluktuk		Shawn Fitzgerald	
Licence No. / Expiry		Representative's Title	
3BM-KUG1520		Acting Senior Administrative Officer	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
2020 August 17 & 18		Baba Pedersen	
Activities Inspected			
<input type="checkbox"/> Camp	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Other: Municipal	<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	U	1 & 2	Storage	C	7		
Flow Measure. Device	A		Culverts / Bridges			Spills				
Source:			Drainage			Spill Plan				
Water Use:			Erosion / Sediment	C	4					
Recirculation (y /n)			Mitigation Measures	A	3	Administrative				
			Reclamation Activities			Records	A	13		
			Materials Storage	C	10	Reports	A	14		
Waste Disposal			Signage	A	6&12	Plans				
				C	9&11					
Waste Water	C	5				Notifications	C	15		
Solid Waste			Monitoring			Other				
Hazardous Waste	C	8	Sample Collection / Analysis	A	3					
*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 (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>On Monday August 17 and Tuesday August 18, 2020, I Baba Pedersen, Resource Management and Water Resources Officer with Crown-Indigenous Relations and Northern Affairs Canada, the Writer of this Report, did inspect the holder (Hamlet of Kugluktuk) of Water Licence number 3BM-KUG1520 issued for the Municipal Use of Water and Waste Disposal in the Hamlet of Kugluktuk in the Kitikmeot Region of Nunavut.</p> <p>The Inspector was accompanied by Shah Alam, Municipal Planning Engineer from the GN-CGS and Kevin Klengenberg, Charles Nivingalok, Nick Blais and Shaun Cummins with the Hamlet of Kugluktuk. The Site Inspections were followed by a meeting in the offices of the Hamlet of Kugluktuk that also included Shawn Fitzgerald, Acting Senior Administrative Officer for the Hamlet of Kugluktuk.</p> <p>I also took Aerial Photos during a fly-over on July 2nd and did 2 other Site Visits on my own on September 25th and October 9th. I have incorporated some of these photos and findings into this report.</p>			
SECTION 2	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<p>During the August 16 & 17 Site Inspections, the following was observed by the Inspector;</p> <ol style="list-style-type: none">The 2 ongoing Leakes in the Sewage Lagoon below the Buttress (Photos 1, 2, 3, 4 & 5)The Low Level of Liquid in the Sewage Lagoon (Photos 6, 7 & 8)Sampling of the Sewage Lagoon (Photo 9)Animal/Pest Damage to the Sewage Lagoon Berm Area (Photo 10)Floating Debris within the Sewage Lagoon (Photo 11)Good Signage at the Sewage Lagoon (Photo 12)Temporary Used Battery Storage in the Garbage Dump (Photos 13 & 14)The Bermed Land Farm Area of the Garbage Dump (Photos 15 & 16)Damaged Signage at the Garbage Dump (Photo 17)Product encroaching on the Road Way inside the Metal Dump (Photos 18 & 19)Missing Signage at the Metal Dump (Photos 20 & also 19)Good Signage all around at the Water Plant and Raw Water Intake (Photos 21 & 22)YTD Water Consumption RecordsThe Licence Holder has submitted the Annual Reports to the Nunavut Water BoardThe Water Licence is set to Expire in December of 2020			



SECTION 3	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
<div><div>1. The Licence Holder must work with the Gov't of Nunavut to come up with a permanent solution to the ongoing Leakage of the Sewage Lagoon. Photos 1 through 5 taken over 3 separate Site Visits show the ongoing problem. The length of time it is taking to come up with a permanent solution is unacceptable.</div><div>2. The extremely Low Level of Product within the Sewage Lagoon, with no Decant last year and this year's Decant yet to take place during the July 2 Fly-Over and the August 17 Site Visit, shows the amount of Leakage that is continually taking place. Even after the Decant Program was complete as shown in Photo 8 from October 9th, the Product Levels only went down slightly. The high amounts of ongoing, continual leakage are a major concern that requires a Permanent Solution.</div><div>3. Sampling of the Sewage Lagoon has taken place and the Results have been provided to the Inspector. The Inspector has approved the Decant Program to start at any time. UPDATE: The Licence Holder completed the Decant Program on October 8th and the Inspector has no concerns with the process at this time.</div><div>4. All Animals digging holes into the Sewage Lagoon Berm MUST be permanently removed before Freeze-up and ensure that more Animals do not return in future. All holes dug into the Sewage Lagoon Liner by Animals MUST be filled in and covered to prevent further erosion PRIOR to Freeze-up.</div><div>5. All Debris within the Sewage Lagoon MUST be removed PRIOR to Freeze-up.</div><div>6. Very Nice Signage at the Sewage Lagoon, Thank You</div><div>7. All Used Batteries placed into the Garbage Dump waiting to be properly Crated MUST be stored within a Wooden Crate. UPDATE: As seen in Photo 14 from October 9th, the Proponent has removed all Used Batteries from the ground and provided a Wooden Crate with appropriate Signage for Temporary Storage, Thank You.</div><div>8. The Bermed Land Farm area in the Garbage Dump is only to be used to store Contaminated Soils. The Licence Holder stated that they now have parts for the Used Oil Incinerator and the Inspector has given directions to restart the Used Oil Burn Program right away which will allow for the Removal of all drums from within the Bermed area. The Inspector understands this will be a multi year project in order to complete. Progress MUST be visible PRIOR to Freeze Up. UPDATE: As seen in Photo 16 from October 9th, the Proponent has moved a substantial amount of Drums out of the Bermed Area into another section of the Garbage Dump and started their Used Oil Burn Program. Thank You.</div><div>9. The Damaged Signage at the Garbage Dump entrance MUST be replaced PRIOR to March 31, 2021.</div><div>10. The product encroaching on the Road Way into the Metal Dump MUST be pushed back right away to allow safe access. UPDATE: As seen in Photo 19 from October 9th, the Proponent has completed a major clean up of the Metal Dump and Road Way Access. Thank You.</div><div>11. The missing Signage at the Metal Dump entrance MUST be replaced PRIOR to March 31, 2021. UPDATE: As seen in Photo 19 from October 9th, the Proponent has re-installed appropriate Signage. Thank You.</div><div>12. Thank you for Installing proper Signage at the Water Plant and Raw Water Intake as directed last year</div><div>13. The Licence Holder is within Allowable Limits and the Inspector has no concerns with this at this at this time</div><div>14. The Inspector has no concerns with this</div><div>15. The Licence Holder SHALL submit an Application for Renewal to the Nunavut Water Board giving sufficient time for review and approval of a new Water Licence. UPDATE: The Proponent has submitted their Renewal Application to the Nunavut Water Board. Thank You.</div></div>			

Licensee or Representative	Inspector's Name
	Baba Pedersen
Signature	Signature
	Signed Original on File
Date	Date
	2020 November 5

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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cc. CIRNAC, Manager Field Operations, Iqaluit, justin.hack@canada.ca

Nunavut Water Board, Manager of Licensing, Gjoa Haven, licensing@nwb-oen.ca

Gov't of Nunavut, Municipal Engineer, Cambridge Bay, salam@gov.nu.ca



PHOTO LOG

Date	Camera	Inspector	Authorization
2020 August 17 & 18	Sony DSC-HX50V	Baba Pedersen	3BM-KUG1520
Photo Log # DSC06366			
Photo 1			
			
Description: Sewage Lagoon Leak Area #1 as seen on 2020 August 17			
Photo Log # DSC06368			
Photo 2			
			
Description: Sewage Lagoon Leak Area #2 as seen on 2020 August 17			

Photo Log # DSC01750

Photo 3



Description: Holes appearing in Buttress due to Leakage Flow underneath from Sewage Lagoon, View 1 as seen on 2020 September 25

Photo Log # DSC01759

Photo 4



Description: Holes appearing in Buttress due to Leakage Flow underneath from Sewage Lagoon, View 2 as seen on 2020 September 25



Photo Log # DSC00932

Photo 5



Description: Leak Area 1 in the Foreground and Leak Area 2 in the Background as seen on 2020 October 9

Photo Log # DSC05850

Photo 6



Description: Aerial View of the Sewage Lagoon as seen on 2020 July 2 showing the Low Level of Product within the Lagoon



Photo Log # DSC06369

Photo 7



Description: Low Level of Product within the Sewage Lagoon BEFORE the Decant Program started, as seen at 2020 August 17

Photo Log # DSC00833

Photo 8



Description: View of Sewage Lagoon showing Level of Product taken 1 Day after the Decant Program was completed on 2020 October 9



Photo Log # DSC06378

Photo 9



Description: Gas Pump used in the Decant Program

Photo Log # DSC06372

Photo 10



Description: 1 of a number of Animal Burrow Holes found in the Sewage Lagoon Berm



Photo Log # DSC06391

Photo 11



Description: Floating Debris within the Sewage Lagoon that requires Removal

Photo Log # DSC06398

Photo 12



Description: Very Nice Signage at the Sewage Lagoon, Thank You

Photo Log # DSC06401

Photo 13



Description: Temporary Used Battery Storage Area within the Garbage Dump as seen on 2020 August 17

Photo Log # DSC01119

Photo 14



Description: Temporary Used Battery Storage Area within the Garbage Dump as seen on 2020 October 9



Photo Log # DSC06406

Photo 15



Description: Bermed Land Farm Area within the Garbage Dump as seen on 2020 August 17

Photo Log # DSC01140

Photo 16



Description: Drums from the Bermed Land Farm Area within the Garbage Dump moved and stored awaiting Burn Off in 2021 as at 2020 Oct 9



Photo Log # DSC06409

Photo 17



Description: Damaged Signage at the Entrance to the Garbage Dump that requires Replacement

Photo Log # DSC06412

Photo 18



Description: Product Encroaching onto the Roadway Entrance to the Metal Dump required to be Pushed Back as at 2020 August 17



Photo Log # DSC01326

Photo 19



Description: Metal Dump Entrance Roadway nicely Cleaned up AND new Signage as seen on 2020 October 9

Photo Log # DSC06410

Photo 20



Description: Metal Dump Signage missing at Entrance as seen on 2020 August 17



Photo Log # DSC06435

Photo 21



Description: Very good Signage at Sample Station KUG-1A, Thank you

Photo Log # DSC06439

Photo 22



Description: Very good Signage on Portable Sample Station KUG-1D, Thank you