



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Hamlet of Kugaaruk		John Ivey	
Licence No. / Expiry		Representative's Title	
3BM-PEL1419		Senior Administrative Officer	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
11 July 2018		Baba Pedersen	
Activities Inspected			
☐ Camp	☐ Drilling	☐ Mining	☐ Construction
☐ Roads/Hauling	☐ Other:	☒ Other: Municipal Water License	☐ Reclamation
☐ 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	A			Water Management Structures		C	8	Storage		C	4&5
Flow Measure. Device	A	1		Culverts / Bridges				Spills		C	8
Source:				Drainage				Spill Plan			
Water Use:	A			Erosion / Sediment							
Recirculation (y /n)				Mitigation Measures		A		Administrative			
				Reclamation Activities		A		Records		A	1
				Materials Storage		A	7	Reports		A	
Waste Disposal				Signage		A	2&3	Plans		A	
Waste Water	C	9						Notifications		A	
Solid Waste				Monitoring				Other			
Hazardous Waste	A	7		Sample Collection / Analysis		A	6				
*The number in the comments field will correspond with specific comments provided below.											
Samples taken by Inspector:			Location(s): Hamlet and GN CGS Staff took Samples at Stations PEL-3-1, PEL-3-2, PEL-4,								
☐ Yes ☒ No			PEL-6, PEL-7 and PEL-8								

SECTION 1	☒ Comments (s. __)	☐ Non-Compliance with Act or Licence (s. __)	☐ Action Required (s. __)
On July 11, 2018 I Inspected the Hamlet of Kugaaruk’s Municipal Water License 3BM-PEL1419. I saw the Raw Water Intake and Pump Station, the Metal Dump, the Garbage Dump and the Sewage Lagoon as well as associated Sample Stations. I was accompanied by Sabrina Karnouk and Laura Kim of Environment Canada, Shah Alam of GN CGS and George, Etienne and Billy with the Hamlet of Kugaaruk.			
SECTION 2	☒ Comments	☐ Non-Compliance with Act or Licence	☐ Action Required
At the Raw Water Intake & Pump Station I saw; 1. The Raw Water Flow Meter (Photo 1) and the Daily Log Sheets, 2. The PEL-1 Interior Sample Station (Photo 2), and 3. The PEL-1 Exterior Sample Station (Photo 3). At the Metal Dump I saw the 3 Celled Lined Berm Area with; 4. 2 Cells filled with Piles of Crushed Drums (Photo 4), and 5. 1 Cell filled with stacked Full Drums of Used Oils on Wooden Pallets (Photo 5), and 6. The Hamlet and GN Staff taking samples at PEL-7 (Photo 6). At the Garbage Dump I found it to be very Clean and Organized, 7. With Sealed Lined Wooden Crates of Discarded Batteries (Photo 7) stored within a Sea Can waiting to be sent South via Sealift for proper disposal. At the Sewage Lagoon; 8. I saw Leaks #1 & #2 (Photos 8 & 9) in the Sewage Lagoon Berm, and 9. That the Sewage Lagoon Level was very high (Photo 10), within 1 meter of the top.			
SECTION 3	☐ Comments	☐ Non-Compliance with Act or Licence	☒ Action Required
1. The Hamlet has used just over 7,000 Cubic Meters of Water in a 2 ½ Month Period which is well within their 45,000 Cubic Meter Annual Allowable Limit. 2. Thank you for installing appropriate Signage as requested in last year’s Inspection Report. 3. Thank you for installing appropriate Signage as requested in last year’s Inspection Report. 4. The 2 Cells of Piled Crushed Drums are to be combined into 1 Cell. 5. In order to minimize the Risk Factor, the 3 rd Empty Cell shall be filled with stacked Full Drums of Used Oils on Wooden Pallets. 6. Samples were taken by Hamlet and GN Staff at multiple locations, Thank You very much. 7. I applaud the Hamlet for this Recycling initiative in order to minimize the risk to the local environment. 8. The Hamlet and GN shall continue to work on and Monitor the 2 Leaks in the Sewage Lagoon Berm to try and find a permanent solution to this long ongoing issue. 9. The Sewage Lagoon MUST be Sampled and Decanted prior to Freeze Up.			

Licensee or Representative	Inspector's Name
	Baba Pedersen
Signature	Signature
	Signed Original on File
Date	Date
	18 October 2018



Office Use Only:	Follow-up report to be issued by Inspector	☐ Yes ☒ 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, Shah Alam, salam@gov.nu.ca



PHOTO LOG

Date	Camera	Inspector	Authorization
11 July 2018	Sony DSC-HX50V	Baba Pedersen	3BM-PEL1419
Photo Log # DSC02717		Location: Raw Water Pump Station	

Photo 1



Description: Raw Water Flow Meter

Photo Log # DSC02718

Location: Raw Water Pump Station

Photo 2



Description: PEL-1 Interior Sample Station when River is Frozen – Nice Signage – Thank You



Photo Log # DSC02721

Location: Raw Water Pump Station

Photo 3



Description: PEL-1 Exterior Sample Station when River is NOT Frozen – Nice Signage – Thank You

Photo Log # DSC02740

Location: Metal Dump

Photo 4



Description: 2 Cells of Crushed Drums in the Lined Berm Area in the Metal Dump to be combined into 1 Cell



Photo Log # DSC02742

Location: Metal Dump

Photo 5



Description: 1 Cell of Stacked Full Drums of Used Oils in the Lined Berm Area

Photo Log # DSC02749

Location: Metal Dump

Photo 6



Description: Hamlet and GN CGS Staff taking Samples at Station PEL-7



Photo Log # DSC02754

Location: Garbage Dump

Photo 7



Description: Lined Wooden Crates of Discarded Batteries to be sent South for Disposal via 2018 Sea Lift Back Haul

Photo Log # DSC02767

Location: Sewage Lagoon

Photo 8



Description: View of Sewage Lagoon Leak #1 from top of Berm



Photo Log # DSC02761

Location: Sewage Lagoon

Photo 9



Description: View of Sewage Lagoon Leak #2 from top of Berm

Photo Log # DSC02776

Location: Sewage Lagoon

Photo 10



Description: Sewage Lagoon showing High Levels requiring Decanting