



WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
Hamlet of Hall Beach	Johnny Kadlutsiak
Licence No. / Expiry	Representative's Title
3BM-HAL1520	Foreman
Land / Other Authorizations	Land / Other Authorizations
Date of Inspection	Inspector
October 4, 2017	Jonathan Mesher
Activities Inspected	
<div><input type="checkbox"/> Camp<input type="checkbox"/> Drilling<input type="checkbox"/> Mining<input type="checkbox"/> Construction<input type="checkbox"/> Reclamation<input checked="" type="checkbox"/> Fuel Storage</div> <div><input type="checkbox"/> Roads/Hauling<input type="checkbox"/> Other: Water Discharge<input checked="" type="checkbox"/> Other: Municipal</div>	

Conditions:

A - Acceptable

C - Concern

U - Unacceptable

NA – Not Applicable

NI – Not Inspected

Water Use			Site Conditions			Haz/Mat Management		
	Condition	Comment		Condition	Comment		Condition	Comment
Intake/Screen	N		Water Management Structures	U	5	Storage	A	
Flow Measure. Device	A		Culverts / Bridges	C	5	Spills	A	
Source:	C	4, 5	Drainage	NA		Spill Plan	A	
Water Use:	C		Erosion / Sediment	U	5			
Recirculation (y /n)	NA		Mitigation Measures	A		Administrative		
			Reclamation Activities	NA		Records		
			Materials Storage	NA		Reports	NI	
Waste Disposal			Signage	A		Plans	NI	
Waste Water	A					Notifications	NI	
Solid Waste	C		Monitoring			Other		
Hazardous Waste	C		Sample Collection / Analysis	NI		Inspection report compliance	A	
						Compliance with issued Direction	A	
*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

☒ Comments (s.1-2)

☐ Non-Compliance with Act or Licence (s.3)

☐ Action Required (s.4)

Inspectors Statement

On October 4, 2017, a water licence inspection was conducted at the Hamlet of Hall Beach, Oikiqtani Region, Nunavut. The Hamlet of Hall Beach has a water licence that is valid until April 29, 2020. This licence allows for the use of 299 cubic meters of water per day (35,000 cubic meters annually) and the deposit of treated effluent from the Sewage Treatment Facility. The Licensee is not permitted to have any leachate discharges from other waste management areas in the Hamlet.

During the construction of the new sewage disposal facility the consultant who completed the work, exp Services Inc. had discovered old waste buried beneath the previous sewage disposal facility. The consultant constructed 3 berms and used a road as the 4th berm; the waste was then placed into this berm like structure.

This deposit of waste appears to be within 31m from the nearest water body, storing waste within 31m of the ordinary high water mark of any water body in Nunavut requires authorization from the Nunavut Water Board (NWB). The inspector is requesting that the Licensee and/or the Consultant obtain the appropriate approval for this deposit of waste.

Inspection

Water Reservoir:

1.

Water is being withdrawn from Water Supply Lake and discharged into the Water Reservoir for storage.

2.

The berm walls around this water storage structure appeared to be in good condition. No indications of slope instability, ground instability, or seepages were evident from this facility.

3.

Records of water use were available and in good order at the time of inspection.



Water Supply Lake:

4. During the last Inspection the inspector had identified Water Supply Lake as a use of water because, the lake is surrounded by, culverts and has a flood control structure located at the South-West corner of the lake. See figure 1 for a picture of Water Supply Lake.
- i. INAC is requesting that the Licensee obtain the appropriate approval from the NWB for the water management structures surrounding Water Supply Lake.
5. The licensee is in contradiction of PART C, Item 4 of the water Licence 3BM-HAL1520 which states; “The Licensee shall not cause erosion to the banks of any body of water and shall provide necessary controls to prevent such erosion.”
- i. This dam is eroded to the point where it is now unusable as a road.

ii. It does not appear to the inspector that the licensee has implemented the necessary controls to prevent such erosion.

iii. The inspector is requesting that the dams surrounding Water Supply Lake be reviewed and regulated by the NWB.

Waste Water Treatment Facility:

6. The Licensee has recently completed construction of a new sewage disposal facility.
7. Berm walls surrounding this cell appeared to be in good condition, no signs of slope instability, leakage, cracking were evident.
8. Freeboard height was sufficient.

Hazardous Waste Facility:

9. In previous inspection reports it was stated that this facility was lined, while on site the licensee informed the inspector that this facility is only partially lined.
10. During the inspection the licensee committed fully lining this facility.
11. No other issues were noted about this storage of waste.

Domestic Waste Facility (unlined):

12. The Licensee manages domestic waste through a burning and covering procedure.
13. This facility is not lined and does not have the ability to capture leachate or run-off; however, no signs of run-off or leachate were evident.
14. The licence does not allow the Licensee to discharge leachate from this facility; however, the Licensee should consider an amendment to the licence for leachate criteria.

PHOTO LOG

Date	Camera	Inspector	Authorization
26/10/2017	SONY DSC-HX50V	Jonathan Mesher	3BM-HAL1520

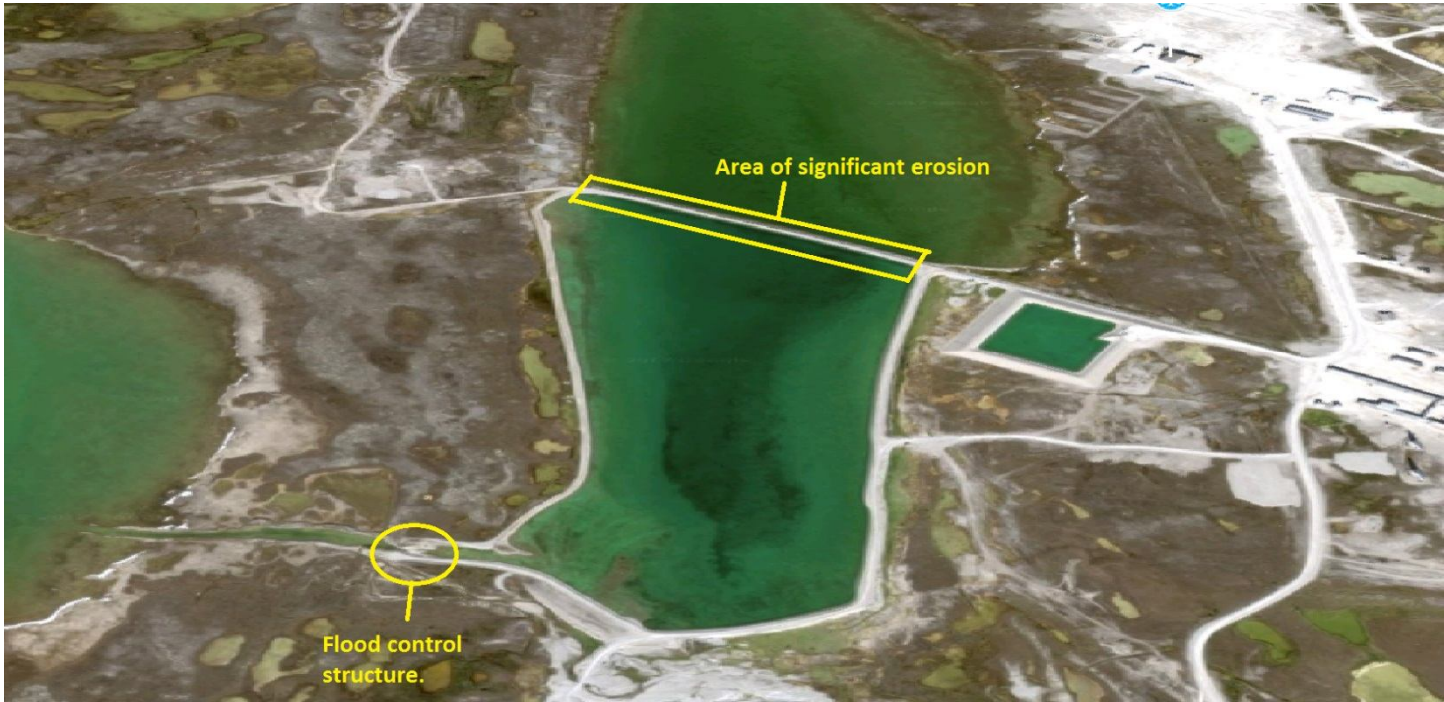


Figure 1: Water Supply Lake



Licensee or Representative	Inspector's Name
	Jonathan Mesher
Signature	Signature
Date	Date
	October 26, 2017