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WATER LICENCE INSPECTION FORM

☒ Original  
☐ Follow-Up Report

Licensee	Licensee Representative
Agnico Eagle	Nancy Duquet Harvey
Licence No. / Expiry	Representative's Title
2AM-DOH1323	Environmental superintendent
Land / Other Authorizations	Land / Other Authorizations
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Date of Inspection	Inspector
June 20, 2022	Jonathan MESHER
Activities Inspected	
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Mining	<input type="checkbox"/> Construction
	<input type="checkbox"/> Other:
	<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	NA		Water Management Structures	NA		Storage	C	
Flow Measure. Device	U		Culverts / Bridges	A		Spills	C	
Source:	NA		Drainage	NA		Spill Plan	NI	
Water Use:	NA		Erosion / Sediment	C				
Recirculation ( y /n)	NA		Mitigation Measures	A		Administrative		
			Reclamation Activities	NA		Records	C	
			Materials Storage	NA		Reports	NI	
Waste Disposal			Signage	NI		Plans	NI	
Waste Water	NA					Notifications	A	
Solid Waste	A		Monitoring			Other		
Hazardous Waste	C		Sample Collection / Analysis	A		Follow-up from previous inspection	NI	
*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	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<p>Background:</p> <p>On June 20, 2022, I Jonathan Mesher conducted inspections of the following facilities under the licence 2AM-DOH1323; During this inspection I was accompanied by; Kelli Gillard (NIRB), Guillaume Daoust (NIRB) and Nancy Duquet Harvey (Licensee).</p> <p>a. <b>Waste Storage</b></p> <p>I. The licensee has decommissioned the Reagent pad which previously contained the Hazardous materials required to process the gold on site, while on site the inspector noted approximately 304 barrels of sulfuric Acid and multiple sea cans of expired Jet A (33 barrels in one sea can) outside of containment. The licensee stated that were using a lined pad to store waste currently, while at the lined pad there was no visible berms to prevent waste/contact water from leaving the pad and a liner was not observed during the inspection of the area. See photos 1 and 2 for the concerns noted.</p> <p>II. While inspecting the waste rock stockpile the main containment pond was leaking, the licensee has installed a sump, constructed out of a permeable culvert and a submersible pump, down stream from the leakage to catch the water escaping the Waste rock stockpile. See photo 5 for a sump that is supposed to catch all waste water.</p> <p>III. While inspecting the warehouse storage area the inspector noted 64 drums of gear oil and a sea can full of hydrochloric acid outside of containment, the hydrochloric acid was sitting near the edge of the pad near the receiving environment. See photo 3and 4 for the concerns noted above.</p> <p>IV. The secondary containment for the Aircraft fuel at the helicopter pad was cracked and no longer containment. See photo 6 for the broken secondary containment.</p> <p>V. While on site the Generator oil storage was actively leaking, the building is lined but the liner is leaking and has significant oil within the liner. It appears the licensee was aware of the leak as there is a drip tray below the leak. See photo 7 for the leak noted.</p>			

- VI. Adjacent to the Generator there was multiple totes of glycol and motor oil outside of containment. See photo 8 for the improperly stored glycol.
- VII. Staging area for Madrid portal, the licensee placed aggregate to build a pad and the material used leached chemicals upstream of a creek, while on site there was visible damage for the flora. See photo 9 for the Madrid portal pad, damaged flora and photo 10 for pooling water in the area.

b. **Water Usage**

- I. At the time of the inspection the licensee did not have an operating Flow meter for the withdrawal location at Windy Lake, The licensee is currently calculating water usage by the amount of truck loads. While reviewing the water records there was multiple days recorded as 20,000L, single trucks capacity is approximately 16,000L and the licensee stated they use multiple truck loads a day. This leads the inspector to believe they are not accurately recording water usage. See photos 11 and 12 for the water records.
- II. While at windy camp the inspector noted erosion on the shore line which appears to be a result of a discharge from the camp facility, see photo 13 for the erosion noted.


Section 2	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
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**The licensee is to provide a plan 3 weeks after receiving the report to ensure the following concerns are addressed, this plan shall include a timeline for implementation.**

1. The inspector is requesting the licensee explain where the “lined containment at the waste at the waste storage facility is and ensure all waste is managed and contained in a way approved by the NWB. The licensee appears to have failed to properly store Waste fuels, Glycol and Consumable Chemicals, based upon the information in “**Table 4.0-1, of the Hope Bay Project Hazardous Waste Management Plan**” which states the following;
- Waste Fuels will be stored in “Steel containers stored within lined containment at Waste Management Facility.

• Glycol(antifreeze) will be stored in “stored within lined containment at the Waste Management Facility.

• Consumable Chemicals and Packaging (e.g. Process Plant chemicals, Wastewater Treatment Plant chemicals) will be stored in “Waste chemicals and plastic packaging stored within sea cans or lined containment at Waste Management facility”
2. PART D, Item 27. Of the licence 2AM-DOH states that; “The Licensee shall direct all runoff and seepage from the Temporary Waste Rock Pad to the Pollution Control Pond for collection and transfer to the Tailings Impoundment Area. The licensee is to show what work is being done to ensure all waste water from the Waste Rock Stockpile is being contained and no waste is flowing past the installed sumps.
3. The licensee is to submit a spill report for the leaking containment at the generator oil storage.
4. Based upon discussions with the licensee and the visible damage to the flora at the Madrid portal laydown from the construction material used it appears that the licensee has failed to follow the condition PART D, Item 1, of the licence 2AM-DOH which states; “The Licensee shall use fill material for construction from an approved source that shall be free of contaminants.” The licensee is to provide evidence that the construction material was approved and free of contaminants.
5. PART J, item 1 of the licence 2AM-DOH states; “The Licensee shall install and maintain flow meters or other such devices, or implement suitable methods required for the measuring of water use and Effluent discharge volumes, to be operated and maintained to the satisfaction of an Inspector.” The licensee it to install a flow meter at all water intakes, the current method does not appear to be accurately recording water usage.
6. PART E, Item 7 of the licence 2AM-DOH states; “The Licensee shall provide the controls necessary to prevent erosion to the banks of any body of water. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into water.” The inspector is requesting the licensee implement sediment and erosion controls to prevent entry of sediment in the water.

Inspector's Name	
Jonathan MESHER	
Signature	
	
Date	

August 10, 2022

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Crown Indigenous Relations and Northern Affairs Canada – CIRNAC  
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Date	Camera	Inspector	Authorization
June 20, 2022	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 1



Description: sulfuric acid outside of containment.

Date	Camera	Inspector	Authorization
June 20, 2022	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 2



Description: one of the sea cans full out expired JET A outside of containment.



Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 3



Description: hydrochloric Acid outside of containment, near the edge of a storage pad.

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-doh

Photo Log

Photo 4



Description: Hazardous material outside of secondary containment

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 5



Description: well to designed to capture the leak from the Waste Rock Stockpile

Date	Camera	Inspector	Authorization
June 20, 2022	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 6



Description: Helicopter Pad fuel broken secondary containment.

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 7



Description: Leaking Motor oil storage for generator.

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 8



Description: glycol outside of containment.

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH

Photo Log

Photo 9



Description: damaged flora from chemical leaching rock used as fill.

Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH

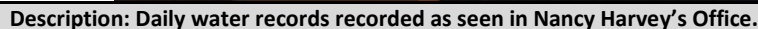
Photo Log

Photo 10



Description: pooling water in the area where the chemical leaching aggregate was used.

**Photo Log**  
Photo 11




## Photo Log

### Photo 12





Date	Camera	Inspector	Authorization
June 20, 2022			
	Sony Cyber-shot	J.Mesher	2AM-DOH
Photo Log			
Photo 13			
			
Description: Erosion on the banks of windy lake which appear to be a result of a discharge from the camp discharge.			