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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-DOH1335	Environmental superintendent
Land / Other Authorizations	Land / Other Authorizations
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Date of Inspection	Inspector
February 28, 2023	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	A		Culverts / Bridges	NI		Spills	NI	
Source:	NA		Drainage	NA		Spill Plan	C	
Water Use:	NA		Erosion / Sediment	NI				
Recirculation ( y /n)	NA		Mitigation Measures	A		Administrative		
			Reclamation Activities	NA		Records	NI	
			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
Background: On February 28, 2023, I Jonathan Mesher of CIRNAC conducted inspections of the facilities licenced under the Water licence 2AM-DOH1335.			
a. Waste Storage			
I. During the inspection there did not appear to be any drip trays under any heavy equipment at the following locations; windy lake Nuna shop, Major drilling at KM8 and the mobile and the heavy equipment mobile yard.			
II. GeoTech drill #4, during the inspection the licensee was remediating a spill and while on site there was significant amounts drill slurry on the drill pad, drill #12 was in similar condition with significant staining around the drill. See photo 1 and 2 for concerns at the drill sites.			
III. During the inspection the inspector noted a leak from the line leading into the Tailings impoundment area adjacent to the new water treatment plant. See photo 3 for the leak noted.			
IV. During the inspection the licensee had placed a full totes of hazardous material on top of sea cans not in a lined facility. See photos 4 and 5 for the totes stored on top of the seacans.			
V. On Page A-5 and A-6, of the “Hope Bay Spill Contingency Plan March 2022” the licensee states that the following chemicals are stored at the “Upper Laydown TIA Reagent Berm”; Collector, Promoter, Frother , Flocculant, Sodium, Cyanide, Caustic Soda, Flocculant, Sodium Metabisulphate, Copper Sulphate, Hydrochloric Acid, Sodium Benzoate, Silica Sand , Borax, Soda Ash, Potassium Nitrate. The Upper Laydown TIA Reagent Berm has been decommissioned since 2021.			
VI. Table 4.0-1. Hazardous Waste Stream, Handling, Storage and Disposal Methods within the document “HOPE BAY PROJECT HAZARDOUS WASTE MANAGEMENT PLAN” the licensee states that multiple types of waste will be “stored within lined containment at Waste Management facility” while on site there does not appear to be a specific are that has “lined containment”.			



b. **Water Usage**

- I. During the inspection it appeared the flow meter at windy lake was installed and operational.
- II. While inside the windy lake pump house there was a strong smell of diesel, absorbent pads on the floor and what appeared to be a food container under the fuel filter full of diesel. See photo 6.

Section 2	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
<p><b><u>The licensee is to provide a response 3 weeks after receiving the report to ensure the following concerns are addressed.</u></b></p> <ul style="list-style-type: none"><li>a) The licensee is to provide photos of the “Lined containment” at the waste storage facility.</li><li>b) PART I, Item 19 states the following “ Additional monitoring may be imposed by the Inspector.”. Due to the staining around the drill sites the inspector is requesting the licensee provide before and after photos of all the drill sites on ice.</li><li>c) The licensee is to update their Spill contingency plan to reflect the factual location of the items listed to be stored at the Upper Laydown TIA Reagent Berm and provide justification/approval for storing these chemicals in a unapproved manner/location.</li><li>d) Update their spill contingency plan to include the storage of glycols, motor oils and any other toxic and poisonous substances.</li><li>e) During the last 3 inspection the inspector noted the significant amount of Hazardous materials outside of containment, the licensee has submitted a plan to ship out hazardous materials not in use while the project is in care and maintenance. The licensee has not provided a plan for the storage of required hazardous materials such as lubricants and glycols, The licensee also stated that if the Hazardous materials is not shipped off site it will be stored on the Doris Camp Pad. Please provide the lined and contained location were the licensee intents to store this hazardous materials on the Doris camp pad and where the licensee intends to store all other Hazardous materials not being shipped off site.</li><li>f) The inspector is requesting the licensee provide a inventory list of all hazardous materials, their storage location and weather or not it is in secondary containment.</li><li>g) PART I, item 3 of the licence 2AM-DOH states; “The Licensee shall provide secondary containment for fuel and chemical storage as required by applicable standards and acceptable industry practice.” And Section 4.3.7 of the Environmental Code of Practice for metal mines: chapter 4 states the following; R 326:“ The chemical storage and containment facilities used at each mine should be designed and constructed to meet the appropriate standards, regulations and guidelines of pertinent regulatory agencies and the owner/operator's environmental policy, objectives and targets. As a minimum, chemical storage and containment facilities should:  <u>-be managed to minimize the potential for spills;</u> <u>-provide containment in the event of spillage and be managed to minimize opportunities for spillage;</u></li></ul> <p>With the above information and the fact that the licensee has been storing hazardous materials on top of seacans and not in a lined contained facility it appears the licensee has failed to minimize the potential for spills and comply with PART I, Item 3 of the licence 2AM-DOH1335.</p>			
Inspector's Name			
Jonathan MESHER			
Signature			
			
Date			
April 17, 2023			

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Crown Indigenous Relations and Northern Affairs Canada – CIRNAC  
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Date	Camera	Inspector	Authorization
February 28, 2023	Sony Cyber-shot	J.Mesher	2AM-DOH
Photo Log			
Photo 1			
			
Description: Staining near drill rig #4			



Date	Camera	Inspector	Authorization
February 28, 2023	Sony Cyber-shot	J.Mesher	2AM-DOH
Photo Log			
Photo 2			
			
Description: significant staining under drill rig.			

Date	Camera	Inspector	Authorization
February 28, 2023	Sony Cyber-shot	J.Mesher	2AM-DOH
Photo Log			
Photo 3			
			
Description: Spill near TIA			



Date	Camera	Inspector	Authorization
February 28, 2023			
	Sony Cyber-shot	J.Mesher	2AM-doh

Photo Log

Photo 4



Description: Motor oil stored on top of seacans.

Date	Camera	Inspector	Authorization
February 28, 2023			
	Sony Cyber-shot	J.Mesher	2AM-DOH


Photo Log

Photo 5



Description: Glycol stored on top of seacans.



Date	Camera	Inspector	Authorization
February 28, 2023			
	Sony Cyber-shot	J.Mesher	2AM-DOH
Photo Log			
Photo 5			
			
Description: spill within 31m of water at windy lake pump house.			