



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Tundra Copper		Zach Flood, Kaizen Discovery	
Licence No. / Expiry		Representative's Title	
2BE-COP1416		Project Development Geologist	
Land / Other Authorizations		Land / Other Authorizations	
N2014C0015			
Date of Inspection		Inspector	
16/07/2015		Eva Paul	
Activities Inspected			
☒ Camp	☐ Drilling	☐ Mining	☒ Construction
☐ Roads/Hauling	☐ Other:	☐ Other:	☐ Reclamation
☒ Fuel Storage			

Conditions:		A - Acceptable	C - Concern	U - Unacceptable	NA – Not Applicable	NI – Not Inspected	
Water Use		Condition	Comment	Site Conditions		Condition	Comment
Intake/Screen	A			Water Management Structures		A	
Flow Measure. Device	A	1		Culverts / Bridges		NA	
Source: unnamed lake	A	1		Drainage		A	
Water Use:	A			Erosion / Sediment		A	
Recirculation (y / n)	A			Mitigation Measures		A	
				Reclamation Activities		NA	
				Materials Storage		A	
Waste Disposal				Signage		NA	
Waste Water	A	2					
Solid Waste	A	3		Monitoring			
Hazardous Waste	A	3		Sample Collection / Analysis		NA	
*The number in the comments field will correspond with specific comments provided below.							
Samples taken by Inspector:			Location(s):				
☐ Yes ☒ No							

SECTION 1	☒ Comments (s.1)	☐ Non-Compliance with Act or Licence (N/A)	☐ Action Required (N/A)
Camp construction was just completed at the time of my inspection. Upon arrival, Zach and I went through the water licence in detail to ensure that Kaizen’s responsibilities are understood. Zach took notes during the inspection and his attention to the recommendations was appreciated. 1. Drilling had not yet started at the time of the inspection. The pump was just put out the day prior to the inspection to begin pumping water to camp. I requested that the pump be set back 30m from the water. Zach indicated that they would not use Hope Lake as was described in the application, as there is a closer water body of sufficient size. I advised to record and report the coordinates (NAD83, dd°mm’ss.s”), and to discuss with the NWB whether an amendment would be necessary. No meter is installed, but Kaizen was marking the 1136 L tanks to demonstrate gradations, and Zach indicated that water would be pumped as needed and that the tank-fills would be recorded daily. 2. Separate sumps have been constructed for the dry and for the kitchen. They are pits that have been dug, and piled with rocks. The sumps are located close to the facilities, and between the kitchen and the outhouse. I advised that the GPS locations are to be submitted in the annual report, and if the location is not found to be suitable long term, then changes can be made and reported in the future. 3. Kaizen is currently crushing all non-hazardous waste in barrels and backhauling it. Human waste is being backhauled in barrels. Excess empty fuel drums are being crushed for backhaul. Zach was advised to ensure storage and handling procedures for the empties to prevent leakage of any residue from the barrels. Please also be advised that as per Part D Item 7, records of all Waste backhauled and records of confirmation of proper disposal of backhauled waste are required. 4. As discussed during the inspection, hazardous materials (salts, drill fluids, hydrocarbons) are to be managed to minimize the potential for spills and contamination. Regular inspection of berms is required and protocols to manage contact water. Spill kits were evident throughout the site. Overall I was pleased with the inspection and look forward to future visits to site.			
Licensee or Representative		Inspector's Name	
		Eva Paul	
Signature		Signature	
		Sent electronically	
Date		Date	
		30/07/2015	

Office Use Only:	Follow-up report to be issued by Inspector	☐ Yes ☒ No
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