



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
TMAC Resources	John Roberts
Licence No. / Expiry	Representative's Title
2AM-DOH1323	VP Environment
Land / Other Authorizations	Land / Other Authorizations
2BE-HOP1222	Crown Lease 77A/3-1-2
Date of Inspection	Inspector
4-5/11/2016	Eva Paul
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 checked="" type="checkbox"/> Construction
	<input type="checkbox"/> Reclamation
	<input checked="" type="checkbox"/> Fuel Storage
	<input type="checkbox"/> Other:

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	A		Storage	A	2
Flow Measure. Device	A		Culverts / Bridges	A		Spills	A	2
Source: Windy Lake	A		Drainage	A		Spill Plan	A	
Water Use:	A		Erosion / Sediment	A				
Recirculation (y /n)	A		Mitigation Measures	A		Administrative		
			Reclamation Activities	A		Records	A	
			Materials Storage	A		Reports	A	
Waste Disposal			Signage	A		Plans	A	
Waste Water	A					Notifications	A	
Solid Waste	C	1	Monitoring			Other		
Hazardous Waste	C	1	Sample Collection / Analysis	A		Construction	A	3
						Jetty Lease	A	4
*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 (s.1)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.)	<input checked="" type="checkbox"/> Action Required (s.2)
<p>I attended site November 4-5, 2016 for the purposes of verifying compliance with the water licences as listed above. No activities are currently being conducted under the Windy licence, 2BE-HOP1222. Water drawn from Windy Lake is licenced under the Doris licence, 2AM-DOH1323. Doris camp is at full capacity, around 180 people, with the mill construction well underway. John Roberts, VP of Environment, joined me at site, and we were accompanied by the site environmental coordinators Sarah Warnock and Kyle Conway. Facilities inspected included:</p> <p>Water intake at Windy Lake Works under Construction: Reagent Pad, Road to TIA, Tailings line, Mill Tank farm and generators at Doris Camp Roberts Bay Jetty Waste management areas at Roberts Bay, Burn Pan, Landfarm</p> <p>Site conditions and practices are found to be generally excellent, even with the increased levels of activity and personnel.</p> <ol style="list-style-type: none">Due to the large volume of materials brought in for the construction of the mill, there is a marked increase of construction waste at this time. Waste is still generally well organized and well managed; however, no backhaul was conducted during the sealift. Mr. Roberts has indicated that TMAC will begin to utilize backhaul opportunities on the weekly flights to start moving waste off-site.TMAC demonstrates excellent spill prevention and management, with only 5 reportable spills in 2015-2016, all of small quantities, and follow-up reports to regulators were filed promptly as per licence requirements. Internal reporting procedures are well established. Spill kits were highly visible around site, including along the road construction to the TIA. Recent snowfalls have accumulated some snow in containment berms.The reagent pad is under construction, and has been situated on the down-slope of the road to the TIA; and effluent from the reagent pad will report to the TIA. The facility was designed to be lined, and will hold the cyanide required in the gold extraction process. The tailings line is being laid out and installed along the road. It is insulated and will be heat-traced. The line passes through a culvert at the road junction, and will be passed through a raised culvert where it crosses Doris Creek, which, in the event of a line break, will direct any spilled tailings to containment ponds on each side of the bridge. Mill construction is advancing quickly, and TMAC anticipates completion in December. Construction monitoring records are thorough.No items of concern were noted at the Roberts Bay Jetty, crown lease 77A/3-1-2. The Jetty is inspected annually by a geotechnical inspector, and the report is provided to the Board.			



SECTION 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
1. Notify Inspector with confirmation when waste backhaul begins.			
2. Ensure that secondary containment capacity is maintained by removing snow regularly throughout the winter.			

Licensee or Representative	Inspector's Name
John Roberts	Eva Paul
Signature	Signature
Date	Date
November 6, 2016	November 6, 2016

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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