



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
TMAC Resources	John Roberts
Licence No. / Expiry	Representative's Title
2AM-DOH1323	VP Environmental Affairs
Land / Other Authorizations	Land / Other Authorizations
Date of Inspection	Inspector
July 18 and 19 2015	Eva Paul
Activities Inspected	
<input checked="" type="checkbox"/> Camp <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Mining <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input checked="" type="checkbox"/> Fuel Storage	
<input type="checkbox"/> Roads/Hauling <input checked="" type="checkbox"/> Other: Water discharge <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	2	Storage	A	
Flow Measure. Device	A		Culverts / Bridges	A		Spills	A	5
Source: Windy/Doris	A		Drainage	A		Spill Plan	A	
Water Use:	A		Erosion / Sediment	A	3			
Recirculation (y / n)	A		Mitigation Measures	A		Administrative		
			Reclamation Activities	A		Records	A	
			Materials Storage	A	4	Reports	A	
Waste Disposal			Signage	A		Plans	A	
Waste Water	A					Notifications	A	
Solid Waste	A	1	Monitoring			Other		
Hazardous Waste	A		Sample Collection / Analysis	A				

*The number in the comments field will correspond with specific comments provided below.

Samples taken by Inspector:	Location(s): Monitoring Stations DOH-1, TL-1, ST-8
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

SECTION 1	<input checked="" type="checkbox"/> Comments (s.1)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.2)	<input checked="" type="checkbox"/> Action Required (s.3)
<p>The inspection for Doris North licence 2AM-DOH1323 was carried out over July 18 and 19 2015. I was accompanied by John Roberts and Claire Brown. Overall I am impressed with the state of the site; TMAC has excellent procedures in place which should keep the project in good stead as activity ramps up. Several new site components are in the works: mill pad preparation, a new explosives pad above the TIA, and the portal is reopened. Some preparatory development is being done, and testing of methods for narrow-vein mining. No materials are being brought to surface and drilling in the underground is employing fresh water only (no salt).</p> <ol style="list-style-type: none">1. Empty drums are accumulating at Roberts Bay in large number. They are in a secure location and do not pose a threat, but will have to be dealt with eventually. TMAC's waste management practices are otherwise excellent.2. TMAC has had challenges with water seeping into the newly-re-opened vent raise. A ditch was added to direct water away from the vent raise; it may be appropriate to include this in the Site Water Management Plan.3. The whole site and new activities were inspected for signs of sedimentation or any potential impacts to water. None were noted.4. TMAC is proposing to construct Pad T for waste rock storage above the portal and within the diversion berm. I support this decision as it will reduce the risks involved with hauling to a farther location (and back again afterward), keeps the waste rock that is removed using TMAC's cleaner extraction methods separated from the previously extracted rock, and locates the pad farther from Doris Lake.5. Spills 14-187 and 14-363 were inspected and will be closed with the spill line.			
SECTION 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
No non-compliances were noted as a result of this inspection.			
SECTION 3	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
TMAC's assistance is requested in closing spills open with the Spill Line. I have provided a table of existing spills for the Hope Bay project, and I am hoping to close a number of historic spills next visit, if location information can be found in the internal records.			

Licensee or Representative	Inspector's Name
John Roberts	Eva Paul
Signature	Signature
Date	Date
20/07/2015	20/07/2015