



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
77A/3-1-2	
Date of Inspection	Inspector
26/04/2017	Eva Paul
Activities Inspected	
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling
<input checked="" 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

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		Culverts / Bridges	NI	
Source: Windy Lk	A	1	Drainage	NI	
Water Use:	A		Erosion / Sediment	NI	
Recirculation (y /n)	A		Mitigation Measures	C	4
			Reclamation Activities	NI	
			Materials Storage	A	
Waste Disposal			Signage	A	
Waste Water	A				
Solid Waste	C	2,3	Monitoring		
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):			
<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>An inspection was conducted April 26-27 2017 pursuant to the Nunavut Waters and Nunavut Surface Rights Tribunal Act and TMAC's 2AM-DOH1323 water licence. Since my last visit (November 2016) TMAC has entered into production and is now milling and producing gold. I was accompanied on the inspection by John Roberts and Shelley Potter of TMAC Resources. The following facilities were inspected:</p> <p>Roberts Bay fuel and waste management areas; Roberts Bay road and airstrip; TIA road, tailings line, and tailings discharge location; Windy Road and the water intake; Doris Camp, fuel farm, WWTP; Mill, pad, and storage.</p> <p>New construction since my last inspection includes a catch basin at Doris Creek and the completion of the reagent pad near the TIA's north dam. These will be further inspected during my summer inspection.</p> <p>1. Water use is primarily from Windy Lake (for potable purposes). 1700m³ was drawn from Doris Lake in December to fill the mill facility prior to the completion of the reclaim line from the TIA.</p> <p>2. The current process for dumping and hauling the Filtered Cyanide Leach Residue (detoxified tailings) is unsatisfactory. The licence requires that all detoxified tailings be placed underground, however, tailings are accumulating on the pad around the loading area where they missed the truck, and can be seen all along the road to the underground where they have fallen out of the truck. It is understood that most of the resulting contact water will report to the control ponds, and then to the TIA; however, small quantities may be spread further abroad by vehicle traffic.</p> <p>3. General waste management practices are good and the waste management area is well-run. Some construction waste can still be seen around site as a result of the rapid mill construction.</p> <p>4. The catch basin (containment in case of a tailings line break) on the east side of Doris Creek remains to be built.</p>			
SECTION 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
<p>1. Containment and control of the detoxified tailings is required to ensure compliance with licence conditions G.21 and G.27 (k). Immediate cleanup of the area is required, with confirmation to the Inspector. Please provide a description of the solution to the Inspector within 30 days.</p>			



Licensee or Representative	Inspector's Name
John Roberts	Eva Paul
Signature	Signature
Date	Date
27/04/2017	27/04/2017

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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CC: Licensing Department, NWB
 Erik Allain, Manager of Field Operations, INAC
 Geoff Clark, Kitikmeot Inuit Association

Att: Photos of Inspection



PHOTOS OF INSPECTION – 2AM-DOH1323 APRIL 26-27 2017


Date	Camera	Inspector	Authorization
26 04 2017	SONY DSC-HX50V	Eva Paul	2AM-DOH1323
Photo Log # 1		Location (NAD 83 DD MM SS.SS)	
Photo DSC06523 (cropped)		N68 08 16.1 W106 36 31.1	
			
Description: Chute for loading the filtered cyanide leach residue into trucks for deposit underground. Dark staining in foreground is largely the same detoxified tails tracked around the pad area.			

Photo Log # 2	Location (NAD 83 DD MM SS.SS)
Photo DSC06528	N68 08 15.8 W106 36 16.5
	
Description: Road between mill and ore stockpile. Dark staining from detoxified tailings dropped from trucks.	



Photo Log # 3

Photo DSC06469

Location (NAD 83 DD MM SS.SS)

N68 08 26.9

W106 37 24.1



Description: Construction waste near burn pan remaining to be sorted for proper disposal when time permits.

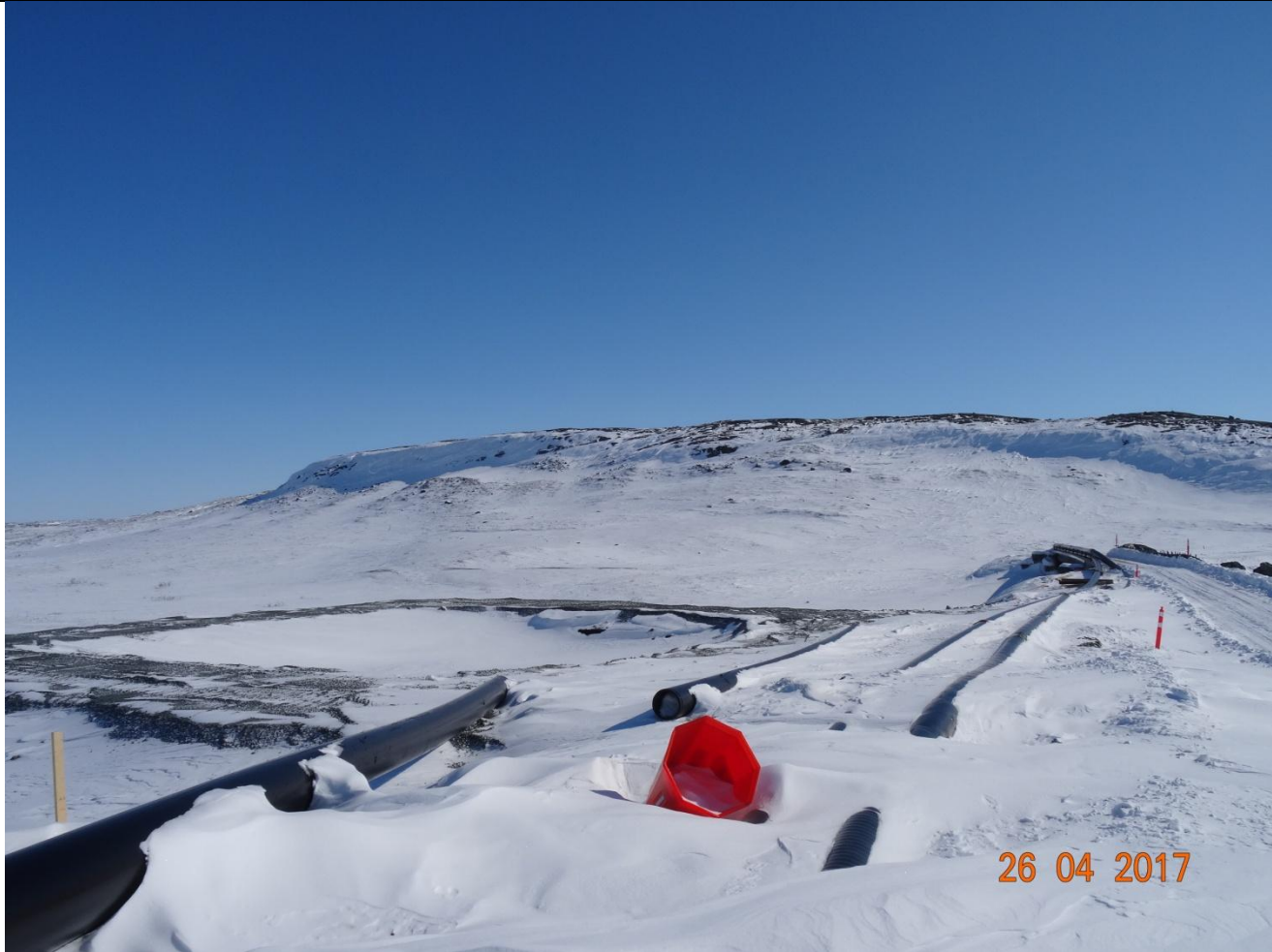
Photo Log # 4

Photo DSC06474

Location (NAD 83 DD MM SS.SS)

N68 08 30

W106 35 21.4



Description: One of two catch basins (tailings line spill containment) anticipated at Doris Creek.

Photo Log # 5

Location (NAD 83 DD MM SS.SS)



Photo DSC06493

N68 07 11.3

W106 32 57.4



Description: Current tailings discharge into TIA.