

# Tarago Action Plan Routine Inspection Checklist

Date:	19-Jul-23	UGL RL Environmental Representative
Start time:	8:10 AM	completing inspection <sup>1</sup> :
Finish time:	9:16 AM	[REDACTED]
Weather:	2°C, 9km/hr wind, 99% humidity, 0mm rain since 9am Tuesday (15th June), high chance of no rain, sunny <span style="float: right;">BoM</span>	
Date and volume of maximum rainfall in a 24hr period since last inspection?		
Date:	23-Jun-23	
Max volume (mm) in 24hr period:	6.6	
<b>General Site Observations</b>		
Is airborne dust from site evident?		
No airborne dust was visible ( <b>Photos 1 - 2</b> )		
Is sediment run-off evident that is not captured by sediment controls?		
No. Minimal evidence of sediment was observed in pooled water on site downgradient of the middle culvert ( <b>Photo 4</b> ), however there was no evidence of run-off of this water from site in between inspections ( <b>Photos 5 - 6</b> ). No evidence of sediment run-off past northern and southernmost rail culverts ( <b>Photos 3, 7, 8, 13, 16</b> ).		
Is surface water discharging from site?		
Yes. Surface water discharging at a slow rate from the southern culvert ( <b>Photo 3</b> ). Some pooled water observed on site and immediately downstream of middle culvert but not discharging off site ( <b>Photos 4 - 6</b> ). No surface water at northern culvert ( <b>Photos 7 - 8</b> ).		
Is there evidence of excavation or other works non-compliant with the Action Plan?		
No		
Other observations?		
<p>Regarding the stockpile, four new marker layer exposure locations were identified (<b>Photos 19 - 21</b>), Ramboll recommends repairing these by patching with sand and cement mixture.</p> <p>Evidence of erosion was noted upgradient of the southern most culvert in previous site inspection and remains on site but stable (<b>Photo 9</b>). However, no evidence of sediment was found in water flowing offsite at southern culvert. Ramboll recommends replacing ground cover material (ballast) if further erosion occurs or sediment is visible in the downstream surface water of the southern culvert.</p> <p>Evidence of build up of sediment in some silt fences upgradient of middle culverts was noted in the previous report. It was recommended to remove silt build up on fences. Fencing appears to have been cleared of sediment (<b>Photo 14</b>).</p>		

<sup>1</sup>Action Plan inspections must be completed by a UGL Representative suitably trained and experienced in application and management of erosion and sediment controls including stockpile management.

Section	Control	Inspection		Corrective Action
		Yes	No	
5.1	Is Exclusion Zone signage present as recommended on Figures 2a - 2e Appendix 1 to demarcate contamination in the rail formation and adjacent soils?	Yes ( <b>Photos 17 - 18</b> )		
	Is Exclusion Zone signage undamaged?	No, single near stockpile ( <b>Photo 8</b> ) was not attached to the stake pole. UGL representatives informed it would be fixed the day of site visit. All other signs were in good condition ( <b>Photo 17</b> ).		
	Are sediment controls present in/adjacent each rail culvert?	Yes, rock checks and rock armour observed upgradient of each culvert. Coir sediment control logs west of former Woodlawn siding and along cess drain feeding the south and middle culverts ( <b>Photos 10 - 16</b> ). Silt fencing between middle and northern culvert.		
	If sediment is present what is the estimated depth of sediment?	Minimal sediment present in pooled water on site downgradient of middle culvert ( <b>Photo 4</b> ). Sediment present on silt fencing and rock checks.		
	Are sediment controls still functional?	Yes.		
	Is the existing stockpile covered securely to prevent surface water infiltration?	Yes		
	Are cracks present in the capping of the existing stockpile? If so record the width and length of cracks in written form and through photographs and consolidate with this checklist.	Yes, minor hairline cracking is present on the stockpile (observed during an inspection 15/03/23), these remain stable and are not expected to adversely affect cap competency in current condition.		
	Are there signs of erosion or sediment run-off on or relating to the existing stockpile? If so record in written form and through photographs and consolidate with this checklist.	No. No erosion of, or sediment from the stockpile was observed.		
	Are there signs of vegetation on the existing stockpile? If so record in written form and through photographs and consolidate with this checklist.	No, weeds previously growing out of stockpile had been removed due to vegetation maintenance.		
Is geofabric marker layer visible beneath capping of the existing stockpile? If so record in written form and through photographs and consolidate with this checklist. If marker layer is visible rectification work is required.	Yes, geofabric marker layer visible in four locations on the western side of the stockpile. Location and size detailed in <b>Photos 19 - 21</b> , refer to 'Other Observations' section for recommendations.			
7.3	Have any additional stockpiles of contaminated material been created?	No		
	Are additional stockpiles placed away from drainage lines, gutters, stormwater pits or inlets?	n/a no additional stockpiles		
	Are stockpiles covered securely to prevent surface water infiltration?	n/a no additional stockpiles		
	Are stockpiles positioned on level surfaces with construction of bunds to control water ingress / egress.	n/a no additional stockpiles		

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**Photo 1: Picture at southern end of railway station facing south west. No airborne dust visible in air or on surfaces.**



**Photo 2: Picture at northern end of railway station facing north west. No airborne dust visible in air or on surfaces.**

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<b>Site:</b> Tarago, NSW			
<b>Client:</b> UGL Regional Linx			



**Photo 3: Southern most culvert downgradient of rail line, showing evidence of surface water run off on site. Water is clear, no turbidity, with no observable sediment, long grass and some algae present.**



**Photo 4: Downgradient of middle culvert showing mostly clear water on site. Majority of sediment has settled to the bottom of the water body. No surface water running off site at middle culvert.**

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**Photo 5: Downgradient of middle culvert. Dry beyond the pooled water and no evidence of current surface water run off on site.**



**Photo 6: Causeway downgradient of middle culvert showing no evidence of current surface water run off on site. No visible sediment on road or vegetation nearby from sediment water was running off site in between inspections.**

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**Photo 7: Downgradient of northernmost culvert showing evidence of no surface water runoff from site to neighbouring property.**



**Photo 8: Upgradient of northernmost culvert showing evidence of no surface water surrounding.**

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**Photo 9: Visible evidence of erosion due to loss of ground cover (ballast material) upgradient of southernmost culvert. Remaining stable and no major further erosion since last inspection. Facing north.**



**Photo 10: Upgradient of southernmost culvert showing previous silt fencing replaced by Coir sediment control logs, used as control measures for sediment control. Facing north.**

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**Photo 11: Rock checks running along former Woodlawn siding and between southern and middle culverts. Silt fencing replaced by Coir sediment control logs.**



**Photo 12: Rock checks running alongside former Woodlawn siding towards the middle culvert. Previous silt fencing with major damage replaced by Coir sediment control logs as recommended in previous inspections. No evidence of sediment build-up in rock armoury.**

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**Photo 13: Middle culvert showing no flowing or pooled water. No evidence of sediment build-up in culvert.**



**Photo 14: Upgradient of trainline culvert facing north, showing minimal pooling on site near rock checks. Silt fencing appears to have been recently cleared and no sediment was visible.**

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**Photo 15: Rock armour upgradient of trainline running from the middle to the north culvert. Some sediment visible on rock armour. Facing South West.**



**Photo 16: Upgradient of northernmost culvert. No evidence of surface water run off on site. No evidence of sediment buildup on rocks. Rock armour and natural vegetation allow for sediment control in surface water.**

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Photo 17: Exclusion zone signing placed periodically along contamination areas. Undamaged and in good condition.



Photo 18: Damaged exclusion zone signage. UGL staff assisting on site reported it was fixed on the same day as site visit (19/07/2023).

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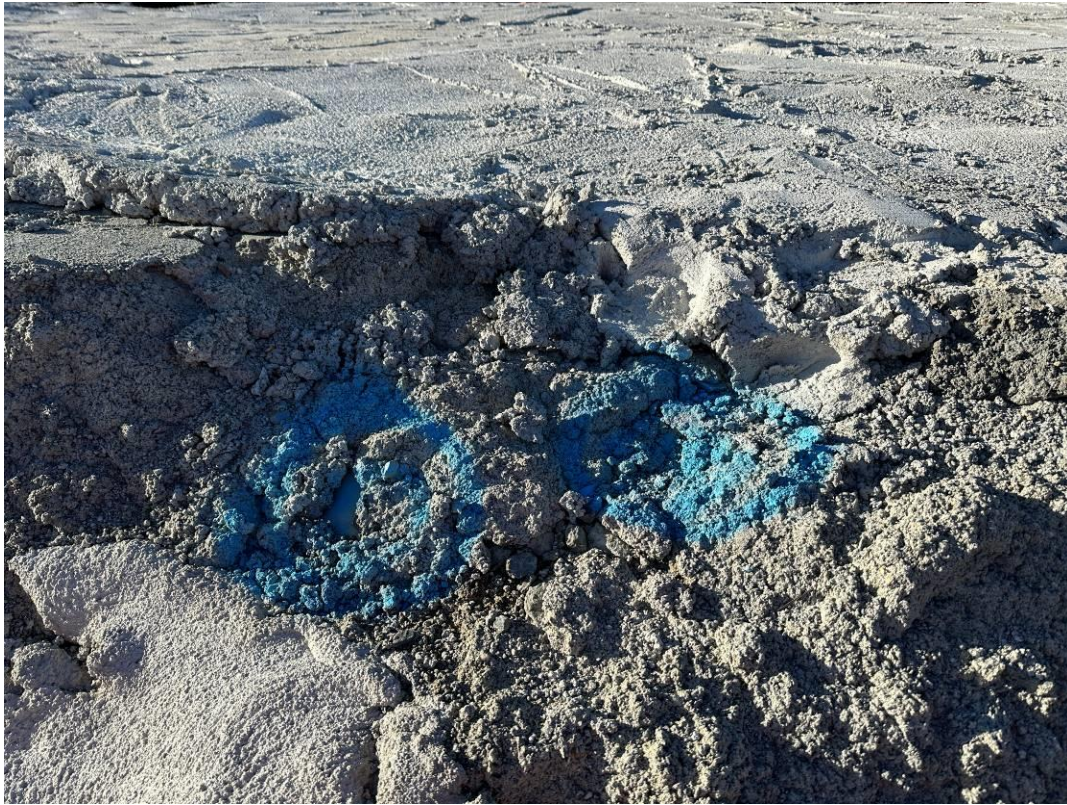


**Photo 19: New Geofabric marker layer visible in stockpile capping, on western side, marked with blue paint. Approximately 4cm x 3cm.**



**Photo 20. New Geofabric marker layer visible in stockpile capping, on western side, marked with blue paint. Approximately 4cm x 5cm.**

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**Photo 21. Two new Geofabric marker layer visible in stockpile capping, on western side, marked with blue paint. Approximately 3cm x 5cm (left) and 3cm x 2cm (right).**

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