

Tarago Action Plan Routine Inspection Checklist

Date:	19-Jan-24	Ramboll and UGL RL Environmental	
Start time:	9:30 AM	Representative completing inspection ¹ :	
Finish time:	10:20		
Weather: 19.5°C (12-22 min to max), W 30 km/h wind, 43 km/h gust, 76% humidity, 0 mm (BOM) rain since 9AM, 90% chance of no rain, partly cloudy, winds westerly 25 - 40 km/h.			
<u>Date and volume of maximum rainfall in a 24hr period since last inspection?</u>			
Date:	19-Jan-24		
Max volume (mm) in 24hr period:	0 mm		
General Site Observations			
<u>Is airborne dust from site evident?</u>			
No airborne dust was visible (Photos 1 - 2). Train in station and no airborne dust generated during transit.			
<u>Is sediment run-off evident that is not captured by sediment controls?</u>			
Some sediment run-off seen in surface water flowing off-site at southern culvert (Photo 3). No evidence of sediment run-off from northern culvert with no flowing surface water observed. Minor observed sediment buildup of sediment on rocks was observed upgradient of railway line at middle culvert (Photos 7 and 8).			
<u>Is surface water discharging from site?</u>			
Surface water was observed discharging from the site at the southern and middle culvert (Photos 3, 5, 6, 11). Surface water was observed between the middle and northern culvert pooled both on and off site (Photos 8 and 10). Pooled water was observed in multiple locations on site (Photos 4, 8, 9). No other flowing surface water was observed onsite during the inspection. Surface water with light to dark-red-brown colour was discharging across road causeway downgradient of middle culvert (Photo 6).			
<u>Is there evidence of excavation or other works non-compliant with the Action Plan?</u>			
No			
<u>Other observations?</u>			
1. Several damages observed in the concrete-capped stockpile (Photo 12, 13). 2. Minor damage of geofabric silt curtain (sediment fencing) was observed upgradient of middle trainline culvert (Photo 9). UGL representative mentioned that repair of silt curtain will be undertaken.			
Section	Control	Inspection Corrective Action Yes No	

¹Action 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.

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
	Is Exclusion Zone signage undamaged?	Yes, exclusion zone signage appeared in good condition
	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. Silt fencing between middle and northern culvert.
	If sediment is present what is the estimated depth of sediment?	Minor sediment present on-site (<5mm).
	Are sediment controls still functional?	Yes. Sediment controls in place with some minor damages. Refer to 'additional observations' section points 3 and 4 for comment'.
	Is the existing stockpile covered securely to prevent surface water infiltration?	Yes. Minor damages were observed.
	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, minor damages were observed (Photos 12 and 13)
	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.	Yes, several small-medium sized weeds were identified growing out from the stockpile from previous inspections. These are not expected to affect stockpile capping effectiveness.
7.3	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 (Photos 12 and 13)
	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 northern end of Tarago railway station platform facing south. No airborne dust visible.



Photo 2: Picture at northern end of Tarago railway station facing north. No airborne dust visible.

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Photo 3: Southern culvert downgradient of railway line with surface water flowing offsite. Surface water is brown with high turbidity.



Photo 4: The on-site surface water exhibited a red-brown coloration with minor turbidity.

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Photo 5: Downgradient of middle culvert with pooled surface water. Surface water was dark red-brown with minor turbidity.



Photo 6: Downgradient of middle culvert facing south with flowing surface water. Surface water across road causeway appeared dark red-brown with low to intermediate turbidity.

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Photo 7: Middle culvert upgradient of the railway line with no flowing surface water. Minor observed build-up of sediment on rocks.



Photo 8: Middle culvert upgradient of the railway line with no flowing surface water. Observed build-up of sediment fencing.

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Photo 9: Sign of damaged sediment fencing at the diddle culvert upgradient of the railway line.



Photo 10: Water flowing out downgradient of the site, light brown and turbid.

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Photo 11: Sign of surface water flowing in the upgradient of the site.



Photo 12: Concrete capped stockpile. New signs of damage (1). Facing north.

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Photo 13: Concrete capped stockpile. New signs of damage (2). Facing north.



Photo 14: Concrete capped stockpile. Top surface, undamaged, no sign of cracks.

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Photo 14: Rock checks and rock armour appeared in good condition.

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