

Tarago Action Plan Routine Inspection Checklist

Date:	10-Dec-24	Ramboll and UGL RL Environmental
Start time:	09:10 AM	Representative completing inspection ¹ :
Finish time:	09:40 AM	[REDACTED]
Weather:	17.9°C (12 - 27 min to max), 7 km/h wind SE, 0 mm rain since 9AM, 56% humidity, (BOM) mostly sunny.	
<u>Date and volume of maximum rainfall in a 24hr period since last inspection?</u>		
Date:	30-Nov-24	
Max volume (mm) in 24hr period:	22 mm	
General Site Observations		
<u>Is airborne dust from site evident?</u>		
No airborne dust was visible (Photos 1 - 2).		
<u>Is sediment run-off evident that is not captured by sediment controls?</u>		
No sign of sediment run-off seen in surface water flowing off-site at southern or middle culverts (Photos 3 - 6). No evidence of sediment run-off from northern culverts observed (Photos 7 - 8).		
<u>Is surface water discharging from site?</u>		
No surface water was observed flowing offsite from the southern, middle and northern culverts. Pooled, not flowing, surface water observed at southern and middle culverts (Photos 3 - 8). No flowing surface water was observed onsite during the inspection.		
<u>Is there evidence of excavation or other works non-compliant with the Action Plan?</u>		
No		
Other observations?		
1. Damages to sediment control coir logs located between middle and southern culverts were observed in previous and current inspections. It is suspected the damage has been caused by birds. This was observed to be appropriately maintained (Photo 12). New coir logs are available on-site, and Ramboll recommends replacing any damaged coir logs that are no longer effective in controlling sediment. 2. Evidence of erosion noted upgradient of the southern most culvert in previous site inspections remains on site but in a stable condition (Photo 9). No evidence of sediment was observed in water pooled downgradient onsite at southern culvert during this site inspection. In addition, some minor erosion due to inadequate ground cover was also observed upgradient of the railway line, to the north of the middle culvert (Photo 15). Ramboll recommends replacing ground cover material (ballast) if further erosion occurs or sediment is visible in the downstream surface water.		

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.

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 (Photos 16 - 17)		
	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 with additional layer of sediment coir logs between middle and northern culvert.		
	If sediment is present what is the estimated depth of sediment?	Minor sediment is present on-site built up in some rock checks (<5mm).		
	Are sediment controls still functional?	Yes. Sediment controls in place were in good condition and no sediment was observed migrating off site. Recommendations included in 'Other Observations' section.		
	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, 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		
	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 (Photo 20) 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.	No		
	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 facing north towards Tarago railway station, no airborne dust visible.

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Photo 3: Southern culvert downgradient of railway line with slow moving surface water flowing offsite. Surface water was clear with no visible turbidity or suspended solids.



Photo 4: Downgradient of southern culvert off site. Slow water flowing (left to right) off site underneath roadway.

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Photo 5: Downgradient of middle culvert with slow moving surface water flowing off site. Surface water near culvert was brown.



Photo 6: Downgradient of middle culvert facing south with slow moving surface water flowing off site at fence line. Surface water was clear with a brown tint and no visible turbidity.

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Photo 7: Downgradient of northernmost culvert with no observed surface water. Trench line had been dug on adjacent property.



Photo 8: Property downgradient of northernmost culvert with no observed surface water.

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Photo 9: Southernmost culvert upgradient of the railway line. The erosion due to lack of ground cover observed during multiple previous inspections is still present.



Photo 10: Sediment controls at southernmost culvert upgradient of the railway line.

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Photo 11: Rock armoury in drainage channel between southern and middle culverts replenished and less sediment and vegetation build up observed.



Photo 12: Damage to sediment control coir logs between southern and middle culverts maintained appropriately. Suspected damage caused by birds.

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Photo 13: Rock armoury in drainage channel between southern and middle culverts appears to be in good condition.



Photo 14: Sediment controls at the middle culvert upgradient of the railway line in good condition.

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Photo 15: Sediment controls north of middle culvert, upgradient of railway line in good condition. Minor inadequate ground cover observed during the previous inspections remained in a stable condition.



Photo 16: Sediment controls in drainage channel between middle and northern culverts appears to be in good condition.

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Photo 17: Rock armoury in drainage channel between middle and northern culverts appears to be in good condition.



Photo 18: Upgradient of northernmost culvert with no surface water. No sediment build up was noted on rock armoury.

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Photo 19: The concrete-capped stockpile is generally in good condition with no new erosion observed.



Photo 20: Minor vegetation and weeds growing out of stockpile capping.

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Photo 21: Surface water pooled on site appeared to be clear.

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