

Tarago Action Plan Routine Inspection Checklist

Date:	20-Nov-24	Ramboll and UGL RL Environmental
Start time:	09:38 AM	Representative completing inspection ¹ :
Finish time:	10:22 AM	

Weather: 19°C (11 - 25 min to max), 13 km/h wind NNE, 0 mm rain since 9AM, 63% humidity, (BOM) partly cloudy.

Date and volume of maximum rainfall in a 24hr period since last inspection?

Date:	18-Oct-24
Max volume (mm) in 24hr period:	14.6 mm

General Site Observations

Is airborne dust from site evident?

No airborne dust was visible (**Photos 1 - 2**).

Is sediment run-off evident that is not captured by sediment controls?

No evidence of sediment run-off observed. Pooled water on site was generally clear with low to no sediment (**Photos 3 and 5**).

Is surface water discharging from site?

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.

Is there evidence of excavation or other works non-compliant with the Action Plan?

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 and majorly damaged logs were replaced (**Photos 11 and 19**). 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 13**). Ramboll recommends replacing ground cover material (ballast) if further erosion occurs or sediment is visible in the downstream surface water.

3. Rock armour in drainage channel between southern and middle culverts previously observed to be in average condition has been replenished (**Photo 10**).

4. The exposure location identified on the concrete capped stockpile in the previous inspection has been patched using a cement mix (**Photo 18**).

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 15 and 19)		
	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.	Yes. Exposure of geofabric observed during previous inspection has been replaced (Photo 18).		
	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.		
	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		
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 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.

Title:	Tarago Rail Yard Inspection	Approved:	Project-Nr.:	Date:
Site:	Tarago, NSW	JA	318001704	20 November 2024
Client:	UGL Regional Linx			



Photo 3: Southern culvert downgradient of railway line with surface water pooled onsite. Green algae present on the surface of water. Surface water was clear with no visible turbidity or suspended solids.



Photo 4: Downgradient of southern culvert off site. No water flowing off site and causeway was dry.

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Photo 5: Downgradient of middle culvert with pooled surface water, not flowing off site. Surface water near culvert was slightly brown with minor visible turbidity.



Photo 6: Downgradient of middle culvert facing south with no surface water flowing off site at fence line.

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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. More vegetation present.



Photo 10: Southernmost culvert upgradient of the railway line. Rock armoury in drainage channel between southern and middle culverts replenished and less sediment and vegetation build up observed.

Title: Tarago Rail Yard Inspection	Approved: JA	Project-Nr.: 318001704	Date: 20 November 2024
Site: Tarago, NSW			
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Photo 11: Damage to sediment control coir logs between southern and middle culverts has been maintained and some logs replaced. Suspected damage caused by birds.



Photo 12: Rock armoury in drainage channel between southern and middle culverts appears to be in good condition.

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Site: Tarago, NSW			
Client: UGL Regional Linx			



Photo 13: Upgradient of the railway line, north of the middle culvert, sediment coir logs in good condition. Minor inadequate ground cover observed during the previous inspections remained in a stable condition.



Photo 14: Rock armoury and sediment coir logs in drainage channel between middle and northern culverts appears to be in good condition.

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Site: Tarago, NSW			
Client: UGL Regional Linx			



Photo 15: Rock armoury in drainage channel between middle and northern culverts appears to be in good condition.



Photo 16: Upgradient of northernmost culvert with no surface water. No sediment build up was noted on rock armoury.

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Client: UGL Regional Linx			



Photo 17: The concrete-capped stockpile is generally in good condition with no new erosion observed.



Photo 18: Exposed geofabric layer marker on stockpile identified in previous inspection has been filled with cement.

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Photo 19: Minor damage to sediment coir logs between southern and middle curvet. Suspected to be caused by birds.



Photo 20: New sediment coir logs stored on site to replace damaged logs if required.

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