

Captains Flat EMP Inspection Checklist

Date:	18/Oct/23	UGL Representative completing inspection:			
Start time:	3:00 PM				
Finish time:	4:00 PM	[REDACTED]			
Weather:	18.9°C, 6.6°C lowest temp, 19.4°C highest temp, 0mm of rain since 9am, 24km/h highest wind gust, ENE 11km/h wind speed, 46% humidity.				
					BoM
Date and volume of maximum rainfall in a 24hr period since last inspection?					
Date:	5-Oct-23				
Max volume (mm) in 24hr period:	33.0mm				
Plan Ref	Control	Inspection		Corrective Action	Implemented?
		Yes	No		
General Observations					
NA	Is airborne dust from site evident?		No	No airborne dust was visible (Photo 1 - 3)	
	Is sediment run-off evident?		No	Evidence of erosion adjacent the former loader (Photos 4 - 5). Erosion and sediment controls should be reviewed in this area.	
	Is surface water discharging from site?	Yes		Coppers Creek flowing through site, no surface water was running off site into Coppers Creek (Photo 6). Small unnamed creek flowing through south-east corner of site fed by upstream mine site (Photo 7).	
	Is there evidence of excavation or other works non-compliant with the EMP?		No	n/a no excavation occurring on site	
Table 3-1					
3.3	Is signage in place adjacent the Copper Creek Road crossing and at other readily accessible areas?	Yes		Multiple signposts on fences along where site is accessible from the roadside (Photos 8 - 9).	
	Is fencing in place to prevent access via the Coppers Creek Road crossing?	Yes		Fencing is placed to restrict access to site from Coppers Creek Road crossing (Photo 8-9).	
	Exclusion Zone fencing and signage undamaged?	Yes		All fencing and signage was in good condition (Photos 8 - 9).	
	Is evidence of unauthorised site access visible?	Yes		An unlocked gate between the site and State Emergency Service (SES) facility was observed at time of inspection (Photo 13-14). It is unclear if SES personnel have been freely entering the site. The open gate is restricted to only the SES facility. The SES front gate was observed closed and padlocked, and not accessible to the public (Photo 15).	
	Has durable erosion resistant capping been applied over the Coppers Creek Road crossing?	Yes		Coppers Creek Road Crossing was covered with a sealed road, there is no evidence of sediment on the road (Photo 10).	
	Is capping over Coppers Creek Road preventing inadvertent access to site materials?	Yes		Copper Creek Road Crossing is a sealed road preventing access to soil underneath (Photo 10).	
	Is excavation occurring onsite?		No	n/a no excavation occurring on site	
Plan Ref	Control	Inspection		Corrective Action	Implemented?
		Yes	No		
	Is the UGL Environment Manager or delegated representative supervising the excavation?			n/a no excavation occurring on site	
	Are excavators operating with closed cabs?			n/a no excavation occurring on site	

3.3	Are excavation exclusion zones in place?		n/a no excavation occurring on site
	Are staff wearing appropriate PPE per Table 3-1 ?		n/a no excavation occurring on site
	Is dust suppression occurring?		n/a no excavation occurring on site
	Is airborne dust visible?		n/a no excavation occurring on site

Other Observations

An unnamed creek off-site and down gradient from Captains Flat State Emergency Service shows cloudy surface water with sediment present. This creek is fed from the mine site upstream and is not expected to contain sediment from site (**Photo 7, 11**).

Some sediment is trapped in rocks on-site from upgradient source off-site. This sediment, having come from off-site, is not expected to be mobilised contaminated sediment from on-site (**Photo 12**).

Significant road upgrade works have been occurring on Captains Flat Road, most notably near the Miners Road and Captains Flat Road intersection (**Photo 16**). Ramboll staff have observed heavy earthmoving machinery being involved in its development. Several silk screens are in place for sediment control into Coppers Creek (**Photos 17-18**). These works are not expected to concern the on-site contamination.



Photo 1: Trainlines behind fence facing north-west. Station Master Cottage on right of photo. No airborne dust was visible on site.



Photo 2: Former Loadout Facility and Weigh Bridge. No airborne dust was visible on site. Facing South-West

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Photo 3: Railway tracks leading to the Former Captains Flat Railway Station. No airborne dust visible on site. Facing North to the northern most site boundary.



Photo 4: Evidence of erosion of soils on site. No evidence of current surface water runoff into Coppers Creek. Located adjacent to Former Loadout Facility and Weigh Bridge. Facing South.

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Photo 5: Evidence of erosion of soils on site. No evidence of current surface water runoff into Coppers Creek. Located south of the State Emergency Service (SES) facility.



Photo 6: Photo taken from the Miners Road and Captains Flat Road intersection showing the southern boundary of site. Copper Creek culvert visible. No evidence of current onsite surface water runoff into Coppers Creek. Facing South-West.

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Photo 7: A small unnamed Creek slowly flowing through the South-Eastern half of the site. No additional surface water from on-site sources appear to currently contribute to the Creek and no evidence of sediment run off from site was visible.



Photo 8: Exclusion zone signage placed periodically along contamination areas which are adjacent to Coppers Creek Road. Fencing in place to demark site.

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Photo 9: Exclusion zone signage placed at north-East boundary of the site with appropriate fencing.



Photo 10: Sealed road over Copper Creek Road crossing, preventing inadvertent access to site materials underneath.

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Photo 11: Unnamed watercourse off site and down gradient from Captains Flat State Emergency Service (SES) unnamed creek, showing cloudy surface water with sediment.



Photo 12: Some sediment visibly trapped in rocks on site from an upgradient off-site location. Material is not expected to be mobilised contaminated sediment from on-site.

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Photo 13: An unlocked and open gate located between the site and State Emergency Service (SES) Facility. The opened gate is located on the south-east boundary of the SES facility.



Photo 14: An unlocked and open gate between the site and State Emergency Service (SES) Facility. An unlocked padlock is visible. The opened gate is located on the south-east boundary of the SES facility.

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Photo 15: State Emergency Service (SES) facility front gate, locked and preventing public access.



Photo 16: Captains Flat Road and Copper Creek Road intersection. Significant road upgrades and resurfacing have occurred on Captains Flat Road.

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Photo 17: Captains Flat Road and Copper Creek Road intersection. Significant road upgrades and resurfacing have occurred on Captains Flat Road. Sediment silk screens are in place.



Photo 18: Captains Flat Road and Copper Creek Road intersection. Significant road upgrades and resurfacing have occurred on Captains Flat Road. Sediment silk screens are in place. A piece of construction signage appears to have fallen off the road towards Copper Creek.

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