

Water Sampling Results – Routine Quarterly Sampling: Amalgamated

THIS WATER IS NOT DISCHARGED. The water which exits the Amalgamated Portal is immediately collected, sent to settling ponds before being utilised in the processing plant and remains in the water recycling circuit from the Sands Dam.

The water sampling data provided below is results collected from routine quarterly sampling. The data is referenced against EPL12008 concentration limits for licensed discharge point 2. We have uploaded this data for continuity with historic water sampling results from the time the mine site was in Care and Maintenance, when water was discharged from this location.

Project: Amalgamated Water September 2025			Monitoring requirements:	Routine Quarterly Sampling	ALS Sample ID	ME2501286-003	
RESULTS OF ANALYSIS - ALS Global Environmental Division Mudgee					Date	04-Sep-25	100 percentile concentration limit
Parameter	Method	Unit	LOR - Limit of Reporting				
EA005: pH							
pH Value	EA005	pH Unit	0.01	8.22			6.5-8.5
EA010: Conductivity							
Electrical Conductivity @ 25°C	EA010	µS/cm	1	855			
EA025: Total Suspended Solids dried at 104 ± 2°C							
Suspended Solids (SS)	EA025	mg/L	1	3140			50
EA065: Total Hardness as CaCO3							
Total Hardness as CaCO3	ED093F	mg/L	1	328			
ED037P: Alkalinity by PC Titrator							
Bicarbonate Alkalinity as CaCO3	ED037-P	mg/L	1	195			
Carbonate Alkalinity as CaCO3	ED037-P	mg/L	1	<1			
Hydroxide Alkalinity as CaCO3	ED037-P	mg/L	1	<1			
Total Alkalinity as CaCO3	ED037-P	mg/L	1	195			
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA							
Sulfate as SO4 - Turbidimetric	ED041G	mg/L	1	126			
ED045G: Chloride by Discrete Analyser							

Chloride	ED045G	mg/L	1	76	
ED093F: Dissolved Major Cations					
Calcium	ED093F	mg/L	1	72	
Magnesium	ED093F	mg/L	1	36	
Potassium	ED093F	mg/L	1	4	
Sodium	ED093F	mg/L	1	55	
EG020T: Total Metals by ICP-MS					
Arsenic	EG020A-T	mg/L	0.001	0.013	
Cadmium	EG020A-T	mg/L	0.0001	0.0002	
Chromium	EG020A-T	mg/L	0.001	0.007	
Copper	EG020A-T	mg/L	0.001	0.015	
Iron	EG020A-T	mg/L	0.05	11.9	
Lead	EG020A-T	mg/L	0.001	0.041	
Nickel	EG020A-T	mg/L	0.001	0.021	
Zinc	EG020A-T	mg/L	0.005	0.214	
EG035T: Total Recoverable Mercury by FIMS					
Mercury	EG035T	mg/L	0.0001	<0.0001	
EN055: Ionic Balance					
Ionic Balance	EN055 - PG	%	0.01	2.18	
Total Anions	EN055 - PG	meq/L	0.01	8.66	
Total Cations	EN055 - PG	meq/L	0.01	9.05	
EP020: Oil and Grease (O&G)					
Oil & Grease	EP020	mg/L	5	<5	<5