



Project: Amalgamated Water December 2024		Monitoring requirements:	Quarterly discharge	ALS Sample ID	ME2402022-003
RESULTS OF ANALYSIS				Date	23/12/2024, 9:20:00 AM
Parameter	Method	Unit	LOR		100 Percentile concentration limit
EA005: pH					
pH Value	EA005	pH Unit	0.01	8.4	6.5-8.5
EA010: Conductivity					
Electrical Conductivity @ 25°C	EA010	µS/cm	1	838	
EA025: Total Suspended Solids dried at 104 ± 2°C					
Suspended Solids (SS)	EA025	mg/L	1	< 1	50
EA065: Total Hardness as CaCO3					
Total Hardness as CaCO3	ED093F	mg/L	1	310	
ED037P: Alkalinity by PC Titrator					
Bicarbonate Alkalinity as CaCO3	ED037-P	mg/L	1	< 1	
Carbonate Alkalinity as CaCO3	ED037-P	mg/L	1	7	
Hydroxide Alkalinity as CaCO3	ED037-P	mg/L	1	184	
Total Alkalinity as CaCO3	ED037-P	mg/L	1	191	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA					
Sulfate as SO4 - Turbidimetric	ED041G	mg/L	1	111	
ED045G: Chloride by Discrete Analyser					
Chloride	ED045G	mg/L	1	81	
ED093F: Dissolved Major Cations					
Calcium	ED093F	mg/L	1	65	
Magnesium	ED093F	mg/L	1	36	
Potassium	ED093F	mg/L	1	3	

Sodium	ED093F	mg/L	1	51	
EG020T: Total Metals by ICP-MS					
Arsenic	EG020A-T	mg/L	0.001	0.002	
Cadmium	EG020A-T	mg/L	0.0001	< 0.0001	
Chromium	EG020A-T	mg/L	0.001	< 0.001	
Copper	EG020A-T	mg/L	0.001	0.001	
Iron	EG020A-T	mg/L	0.05	< 0.05	
Lead	EG020A-T	mg/L	0.001	< 0.001	
Nickel	EG020A-T	mg/L	0.001	0.002	
Zinc	EG020A-T	mg/L	0.005	< 0.005	
EG035T: Total Recoverable Mercury by FIMS					
Mercury	EG035T	mg/L	0.0001	< 0.0001	
EG052G: Silica by Discrete Analyser					
Reactive Silica	EG052G	mg/L	0.05	22.8	
EN055: Ionic Balance					
Ionic Balance	EN055 - PG	%	0.01	0.53	
Total Anions	EN055 - PG	meq/L	0.01	8.41	
Total Cations	EN055 - PG	meq/L	0.01	8.5	
EP020: Oil and Grease (O&G)					
Oil & Grease	EP020	mg/L	5	< 5	10