



Project: Amalgamated Water December 2024		Monitoring requirements:	Quarterly discharge	ALS Sample ID	ME2401471-003
RESULTS OF ANALYSIS				Date	11/09/2024, 9:00:00 AM
Parameter	Method	Unit	LOR		100 Percentile concentration limit
<b>EA005: pH</b>					
pH Value	EA005	pH Unit	0.01	8.4	6.5-8.5
<b>EA010: Conductivity</b>					
Electrical Conductivity @ 25°C	EA010	µS/cm	1	855	
<b>EA025: Total Suspended Solids dried at 104 ± 2°C</b>					
Suspended Solids (SS)	EA025	mg/L	1	8	50
<b>EA065: Total Hardness as CaCO3</b>					
Total Hardness as CaCO3	ED093F	mg/L	1	312	
<b>ED037P: Alkalinity by PC Titrator</b>					
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	186	
Total Alkalinity as CaCO3	ED037-P	mg/L	1	186	
<b>ED041G: Sulfate (Turbidimetric) as SO4 2- by DA</b>					
Sulfate as SO4 - Turbidimetric	ED041G	mg/L	1	124	
<b>ED045G: Chloride by Discrete Analyser</b>					
Chloride	ED045G	mg/L	1	103	
<b>ED093F: Dissolved Major Cations</b>					
Calcium	ED093F	mg/L	1	64	
Magnesium	ED093F	mg/L	1	37	
Potassium	ED093F	mg/L	1	4	

Sodium	ED093F	mg/L	1	67	
<b>EG020T: Total Metals by ICP-MS</b>					
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	< 0.001	
Zinc	EG020A-T	mg/L	0.005	< 0.005	
<b>EG035T: Total Recoverable Mercury by FIMS</b>					
Mercury	EG035T	mg/L	0.0001	< 0.0001	
<b>EG052G: Silica by Discrete Analyser</b>					
Reactive Silica	EG052G	mg/L	0.05	21.7	
<b>EN055: Ionic Balance</b>					
Ionic Balance	EN055 - PG	%	0.01	0.28	
Total Anions	EN055 - PG	meq/L	0.01	9.2	
Total Cations	EN055 - PG	meq/L	0.01	9.26	
<b>EP020: Oil and Grease (O&amp;G)</b>					
Oil & Grease	EP020	mg/L	5	< 5	10