



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

May 2022

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	31
Ammonia	mg/L	48
Calcium	mg/L	140
Chloride	mg/L	420
Electrical conductivity	$\mu\text{S/cm}$	3450
Fluoride	mg/L	1.9
Iron	mg/L	1800
Magnesium	mg/L	74
Manganese	mg/L	0.27
Nitrogen	mg/L	86.3
pH	pH	8.19
Phosphorus	mg/L	7.2
Polycyclic aromatic hydrocarbons	mg/L	<1.0
Potassium	mg/L	260
Sodium	mg/L	290
Sulfate	mg/L	630
Total organic carbon	mg/L	230
Total petroleum hydrocarbons	mg/L	0.3
Total phenolics	mg/L	<0.05
Total suspended solids	mg/L	401

POINT 3 PROCESS WATER TANK

Pollutant	Unit of measure	Result
Boron	mg/L	1600
Cadmium	mg/L	0
Copper	mg/kg	3
Electrical conductivity	$\mu\text{S/cm}$	6410
Iron	mg/L	490
Molybdenum	mg/L	0.23
Nickel	mg/L	9
pH	pH	8.41
Silver	mg/L	0
Total suspended solids	mg/L	23



POINT 2 SPILLWAY

Nil discharge from this POINT during the month of May 2022

Pollutant	Unit of measure	Concentration limit/Range	Result	Exceedances
Alkalinity	mg/L	-		
Ammonia	mg/L	0.9		
Calcium	mg/L	-		
Chloride	mg/L	-		
Electrical conductivity	µS/cm	-		
Fluoride	mg/L	-		
Iron	mg/L	-		
Magnesium	mg/L	-		
Manganese	mg/L	-		
Nitrogen	mg/L	-		
pH	pH	6.5-8.5		
Phosphorus	mg/L	-		
Polycyclic aromatic hydrocarbons	mg/L	-		
Potassium	mg/L	-		
Sodium	mg/L	-		
Sulfate	mg/L	-		
Total organic carbon	mg/L	-		
Total petroleum hydrocarbons	mg/L	-		
Total phenolics	mg/L	-		
Total suspended solids	mg/L	50		

POINT 4 SEDIMENT BASIN

Nil discharge from this POINT during the month of May 2022

Pollutant	Unit of measure	Concentration limit/Range	Result	Exceedance
Ammonia	mg/L	-		
Electrical conductivity	µS/cm	-		
Nitrogen	mg/L	-		
pH	pH	6.5-8.5		
Total organic carbon	mg/L	-		
Total petroleum hydrocarbons	mg/L	-		
Total suspended solids	mg/L	50		