



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

November 2022

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	232
Ammonia	mg/L	7
Calcium	mg/L	150
Chloride	mg/L	370
Electrical conductivity	$\mu\text{S/cm}$	2830
Fluoride	mg/L	0.14
Iron	mg/L	15
Magnesium	mg/L	72
Manganese	mg/L	0.00034
Nitrogen	mg/L	32
pH	pH	7.2
Phosphorus	mg/L	5
Polycyclic aromatic hydrocarbons	mg/L	2
Potassium	mg/L	230
Sodium	mg/L	240
Sulfate	mg/L	620
Total organic carbon	mg/L	180
Total petroleum hydrocarbons	mg/L	3.1
Total phenolics	mg/L	0.05
Total suspended solids	mg/L	31

POINT 3 PROCESS WATER TANK

Pollutant	Unit of measure	Result
Boron	mg/L	2.5
Cadmium	mg/L	<0.00001
Copper	mg/kg	0.002
Electrical conductivity	$\mu\text{S/cm}$	6810
Iron	mg/L	0.27
Molybdenum	mg/L	0.16
Nickel	mg/L	0.009
pH	pH	8.46
Silver	mg/L	<0.001
Total suspended solids	mg/L	29



POINT 2 SPILLWAY

Nil discharge from this POINT during the month of November 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 November 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		