



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

MAY 2023

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	320
Ammonia	mg/L	4.2
Calcium	mg/L	150
Chloride	mg/L	440
Electrical conductivity	μ S/cm	3540
Fluoride	mg/L	0.36
Iron	mg/L	0.34
Magnesium	mg/L	96
Manganese	mg/L	0.25
Nitrogen	mg/L	25
pH	pH	8.92
Phosphorus	mg/L	4.5
Polycyclic aromatic hydrocarbons	mg/L	<1
Potassium	mg/L	230
Sodium	mg/L	310
Sulfate	mg/L	750
Total organic carbon	mg/L	140
Total petroleum hydrocarbons	mg/L	0.74
Total phenolics	mg/L	<0.05
Total suspended solids	mg/L	95

POINT 3 PROCESS WATER TANK

Pollutant	Unit of measure	Result
Boron	mg/L	2.5
Cadmium	mg/L	0
Copper	mg/kg	0.002
Electrical conductivity	μ S/cm	7710
Iron	mg/L	0.14
Molybdenum	mg/L	0.14
Nickel	mg/L	0.011
pH	pH	8.42
Silver	mg/L	<1
Total suspended solids	mg/L	0



POINT 2 SPILLWAY

Nil discharge from this POINT during the month of May 2023

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 2023

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		