



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

February 2022

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	358
Ammonia	mg/L	4.6
Calcium	mg/L	140
Chloride	mg/L	490
Electrical conductivity	$\mu\text{S/cm}$	3150
Fluoride	mg/L	<0.5
Iron	mg/L	0.48
Magnesium	mg/L	88
Manganese	mg/L	360
Nitrogen	mg/L	33
pH	pH	8.35
Phosphorus	mg/L	7.4
Polycyclic aromatic hydrocarbons	mg/L	<1.0
Potassium	mg/L	210
Sodium	mg/L	340
Sulfate	mg/L	640
Total organic carbon	mg/L	160
Total petroleum hydrocarbons	mg/L	1.009
Total phenolics	mg/L	<0.05
Total suspended solids	mg/L	92

POINT 3 PROCESS WATER TANK

Pollutant	Unit of measure	Result
Boron	mg/L	2.7
Cadmium	mg/L	<0.1
Copper	mg/kg	0.03
Electrical conductivity	$\mu\text{S/cm}$	6350
Iron	mg/L	0.76
Molybdenum	mg/L	0.16
Nickle	mg/L	0.24
pH	pH	8.62
Silver	mg/L	0.001
Total suspended solids	mg/L	40



POINT 2 SPILLWAY

Nil discharge from this POINT during the month of February 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 February 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		