



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

FEBRUARY 2021

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	93
Ammonia	mg/L	4.4
Calcium	mg/L	130
Chloride	mg/L	370
Electrical conductivity	μ S/cm	2550
Fluoride	mg/L	0.25
Iron	mg/L	0.29
Magnesium	mg/L	72
Manganese	mg/L	380
Nitrogen	mg/L	22.03
pH	pH	8.25
Phosphorus	mg/L	5.3
Polycyclic aromatic hydrocarbons	mg/L	<1
Potassium	mg/L	160
Sodium	mg/L	190
Sulfate	mg/L	610
Total organic carbon	mg/L	110
Total petroleum hydrocarbons	mg/L	1.3
Total phenolics	mg/L	0.02
Total suspended solids	mg/L	24

POINT 3 PROCESS WATER TANK

Pollutant	Unit of measure	Result
Boron	mg/L	3.8
Cadmium	mg/L	0.0005
Copper	mg/kg	0.026
Electrical conductivity	μ S/cm	6630
Iron	mg/L	1.2
Molybdenum	mg/L	0.34
Nickle	mg/L	0.009
pH	pH	8.66
Silver	mg/L	<1
Total suspended solids	mg/L	6



POINT 2 SPILLWAY

Nil discharge from this POINT during the month of February 2021

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 2021

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		