



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

NOVEMBER 2020

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	26
Ammonia	mg/L	6.7
Calcium	mg/L	170
Chloride	mg/L	480
Electrical conductivity	$\mu\text{S}/\text{cm}$	3230
Fluoride	mg/L	0.26
Iron	mg/L	1.1
Magnesium	mg/L	100
Manganese	mg/L	560
Nitrogen	mg/L	40.8
pH	pH	6.34
Phosphorus	mg/L	5.8
Polycyclic aromatic hydrocarbons	mg/L	<1
Potassium	mg/L	240
Sodium	mg/L	270
Sulfate	mg/L	820
Total organic carbon	mg/L	170
Total petroleum hydrocarbons	mg/L	1.3
Total phenolics	mg/L	<0.01
Total suspended solids	mg/L	69

POINT 3 PROCESS WATER TANK

Pollutant	Unit of measure	Result
Boron	mg/L	3.3
Cadmium	mg/L	0.0007
Copper	mg/kg	0.008
Electrical conductivity	$\mu\text{S}/\text{cm}$	7740
Iron	mg/L	0.24
Molybdenum	mg/L	0.39
Nickle	mg/L	0.008
pH	pH	8.65
Silver	mg/L	<1
Total suspended solids	mg/L	70



POINT 2 SPILLWAY

Nil discharge from this POINT during the month of November 2020

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 2020

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		