



ENVIRONMENTAL PROTECTION LICENCE 7654

WATER QUALITY MONITORING

AUGUST 2021

POINT 1 DAM CHARACTERISATION

Pollutant	Unit of measure	Result
Alkalinity	mg/L	297
Ammonia	mg/L	20
Calcium	mg/L	160
Chloride	mg/L	500
Electrical conductivity	μ S/cm	3570
Fluoride	mg/L	0.36
Iron	mg/L	1.6
Magnesium	mg/L	100
Manganese	mg/L	350
Nitrogen	mg/L	52
pH	pH	7.77
Phosphorus	mg/L	4.3
Polycyclic aromatic hydrocarbons	mg/L	<1.0
Potassium	mg/L	220
Sodium	mg/L	350
Sulfate	mg/L	750
Total organic carbon	mg/L	180
Total petroleum hydrocarbons	mg/L	1.1
Total phenolics	mg/L	0.01
Total suspended solids	mg/L	27

POINT 3 PROCESS WATER TANK – no sampling undertaken

Pollutant	Unit of measure	Result
Boron	mg/L	
Cadmium	mg/L	
Copper	mg/kg	
Electrical conductivity	μ S/cm	
Iron	mg/L	
Molybdenum	mg/L	
Nickle	mg/L	
pH	pH	
Silver	mg/L	
Total suspended solids	mg/L	



POINT 2 SPILLWAY – no sampling undertaken, not discharging

Pollutant	Unit of measure	Concentration limit/Range	Result	Exceedances
Alkalinity	mg/L			
Ammonia	mg/L			
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			
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			

POINT 4 SEDIMENT BASIN – no sampling undertaken, not discharging

Pollutant	Unit of measure	Concentration limit/Range	Result	Exceedance
Ammonia	mg/L			
Electrical conductivity	µS/cm			
Nitrogen	mg/L			
pH	pH			
Total organic carbon	mg/L			
Total petroleum hydrocarbons	mg/L			
Total suspended solids	mg/L			