

Water Monitoring Requirements:

Grab samples are required to be taken annually.

Location of Monitoring Points:

Monitoring Point 13: Boreholes labelled on map titled "Location Plan" submitted to the EPA and included in the EPL on 8 June 2023.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Testing Result 30/7/2024
Alkalinity (as CaCO ₃)	mg/L	No limits apply - sampling for monitoring purposes only	160
Aluminium (Al)	mg/L		<0.1
Arsenic (As)	mg/L		<0.01
Barium (Ba)	mg/L		0.2
Cadmium (Cd)	mg/L		<0.001
Chromium (Cr)	mg/L		<0.01
Conductivity	uS/cm		6930
Copper (Cu)	mg/L		<0.01
Iron (Fe)	mg/L		0.04
Lead (Pb)	mg/L		<0.01
Manganese (Mn)	mg/L		0.23
Mercury (Hg)	mg/L		<0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		<0.1
Nitrogen-Ammonia	mg/L		<0.1
Organochlorine Pesticides	ug/L		<0.2
Phenols	mg/L		<0.1
Polycyclic Aromatic Hydrocarbons	ug/L		<0.5
Selenium (Se)	mg/L		<0.01
Total Dissolved Solids	mg/L		4540
Total Organic Carbon	mg/L		10
Total Petroleum Hydrocarbons	ug/L		<100
Zinc (Zn)	mg/L		0.04
pH	pH		8.1

Sampling frequency
Annually

EPL Clause M2.3

As an indicator of the potential for acidification the ratio of chloride to sulfate must also be calculated and reported to the EPA for each of the samples required by the above monitoring table.

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Testing Result 5/7/2023
Chloride	mg/L	No limits apply - sampling for monitoring purposes only	5690
Sulphate	mg/L		720
Chloride/Sulphate ratio			1 to 0.13

Water Monitoring Requirements:

Grab samples are required to be taken annually.

Location of Monitoring Points:

Monitoring Point 12: Boreholes labelled on map titled "Location Plan" submitted to the EPA and included in the EPL on 8 June 2023.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Testing Result 30/7/2024
Alkalinity (as CaCO ₃)	mg/L	No limits apply - sampling for monitoring purposes only	155
Aluminium (Al)	mg/L		<0.1
Arsenic (As)	mg/L		<0.01
Barium (Ba)	mg/L		0.3
Cadmium (Cd)	mg/L		<0.001
Chromium (Cr)	mg/L		<0.01
Conductivity	uS/cm		7010
Copper (Cu)	mg/L		<0.01
Iron (Fe)	mg/L		0.03
Lead (Pb)	mg/L		<0.01
Manganese (Mn)	mg/L		0.25
Mercury (Hg)	mg/L		<0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		<0.1
Nitrogen-Ammonia	mg/L		0.1
Organochlorine Pesticides	ug/L		<0.2
Phenols	mg/L		<0.1
Polycyclic Aromatic Hydrocarbons	ug/L		<0.5
Selenium (Se)	mg/L		<0.01
Total Dissolved Solids	mg/L		4580
Total Organic Carbon	mg/L		10
Total Petroleum Hydrocarbons	ug/L		<100
Zinc (Zn)	mg/L		0.03
pH	pH		7.7

Sampling frequency

Annually

EPL Clause M2.3

As an indicator of the potential for acidification the ratio of chloride to sulfate must also be calculated and reported to the EPA for each of the samples required by the above monitoring table.

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Testing Result 5/7/2023
Chloride	mg/L	No limits apply - sampling for monitoring purposes only	2720
Sulphate	mg/L		370
Chloride/Sulphate ratio			1 to 0.14

Water Monitoring Requirements:

Grab samples are required to be taken annually.

Location of Monitoring Points:

Monitoring Point 11: Boreholes labelled on map titled "Location Plan" submitted to the EPA and included in the EPL on 8 June 2023.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Testing Result 30/7/2024
Alkalinity (as CaCO ₃)	mg/L	No limits apply - sampling for monitoring purposes only	59
Aluminium (Al)	mg/L		<0.1
Arsenic (As)	mg/L		<0.01
Barium (Ba)	mg/L		0.2
Cadmium (Cd)	mg/L		<0.001
Chromium (Cr)	mg/L		<0.01
Conductivity	uS/cm		6740
Copper (Cu)	mg/L		<0.01
Iron (Fe)	mg/L		0.04
Lead (Pb)	mg/L		<0.01
Manganese (Mn)	mg/L		0.09
Mercury (Hg)	mg/L		<0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		0.78
Nitrogen-Ammonia	mg/L		0.6
Organochlorine Pesticides	ug/L		<0.2
Phenols	mg/L		<0.1
Polycyclic Aromatic Hydrocarbons	ug/L		<0.5
Selenium (Se)	mg/L		<0.01
Total Dissolved Solids	mg/L		4400
Total Organic Carbon	mg/L		6
Total Petroleum Hydrocarbons	ug/L		<100
Zinc (Zn)	mg/L		<0.01
pH	pH		7.5

Sampling frequency
Annually

EPL Clause M2.3

As an indicator of the potential for acidification the ratio of chloride to sulfate must also be calculated and reported to the EPA for each of the samples required by the above monitoring table.

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Testing Result 5/7/2023
Chloride	mg/L	No limits apply - sampling for monitoring purposes only	2590
Sulphate	mg/L		350
Chloride/Sulphate ratio			1 to 0.14