

**Licence No 4627 - Publication of Monitoring Data
M8 St Peters Interchange – 10-16 Albert Street, St Peters**

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Ambient Monitoring – Leachate Quality

EPL No: 4627

Date of Sampling 25 September 2023

Date Received 8 February 2024

Date of Publication 9 February 2024

Pollutant	Unit	Frequency	Monitoring Point (EPA Identification Number)
			LPI (16)
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	NR1
Aluminium	milligrams per litre	Yearly	0.007
Ammonia	milligrams per litre	Quarterly	NR1
Arsenic	milligrams per litre	Yearly	0.002
Barium	milligrams per litre	Yearly	1.9
Benzene	milligrams per litre	Yearly	<0.0005
Bicarbonate	milligrams per litre	Quarterly	NR1
Cadmium	milligrams per litre	Yearly	<0.0001
Calcium	milligrams per litre	Quarterly	NR1
Chloride	milligrams per litre	Quarterly	NR1
Chromium (hexavalent)	milligrams per litre	Yearly	<0.004
Chromium (total)	milligrams per litre	Yearly	0.005
Cobalt	milligrams per litre	Yearly	0.003
Copper	milligrams per litre	Yearly	<0.001
Electrical Conductivity	Microsiemens per centimetre	Quarterly	5614
Ethyl Benzene	milligrams per litre	Yearly	<0.0005
Fluoride	milligrams per litre	Quarterly	NR1
Hydrocarbons	milligrams per litre	Yearly	1.5
Iron	milligrams per litre	Yearly	0.27
Lead	milligrams per litre	Yearly	<0.001
Magnesium	milligrams per litre	Quarterly	NR1
Manganese	milligrams per litre	Yearly	0.17

Pollutant	Unit	Frequency	Monitoring Point (EPA Identification Number)
			LPI (16)
Mercury	milligrams per litre	Yearly	<0.0001
Nickel	milligrams per litre	Yearly	0.005
Nitrate	milligrams per litre	Quarterly	NR1
Nitrite	milligrams per litre	Quarterly	NR1
Organochlorine Pesticides	milligrams per litre	Yearly	<0.001
Organophosphorus Pesticides	milligrams per litre	Yearly	<0.0005
pH	pH units	Quarterly	7.25
Phenols	milligrams per litre	Yearly	<0.0005
Phosphorus	milligrams per litre	Quarterly	NR1
Polycyclic Aromatic Hydrocarbons	milligrams per litre	Yearly	<0.001
Potassium	milligrams per litre	Quarterly	NR1
Redox Potential	millivolts	Quarterly	53.3
Sodium	milligrams per litre	Quarterly	NR1
Sulphate	milligrams per litre	Quarterly	NR1
Standing Water Level	Metres AHD	Quarterly	-16.80
Temperature	Degrees Celsius	Quarterly	23.2
Toluene	milligrams per litre	Yearly	<0.0005
Total Dissolved Solids	milligrams per litre	Quarterly	NR1
Total Organic Carbon	milligrams per litre	Quarterly	NR1
Xylene	milligrams per litre	Yearly	<0.0015
Zinc	milligrams per litre	Yearly	0.005

NOTES:

EPL - Environment Protection Licence

< - less than

NR1 - No result - Only annual analytes were tested. Quarterly analytes mistakenly missed.

mAHD - metres Australian Height Datum