

**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 16 June 2021

Date Received 10 August 2021

Date of Publication 27 August 2021

Pollutant	Unit	Frequency	Monitoring Point (EPA Identification Number)
			LPI (16)
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	1700
Aluminium	milligrams per litre	Yearly	0.006
Ammonia	milligrams per litre	Quarterly	190
Arsenic	milligrams per litre	Yearly	0.003
Barium	milligrams per litre	Yearly	1.800
Benzene	milligrams per litre	Yearly	<0.0005
Bicarbonate	milligrams per litre	Quarterly	1700
Cadmium	milligrams per litre	Yearly	<0.0001
Calcium	milligrams per litre	Quarterly	130
Chloride	milligrams per litre	Quarterly	840
Chromium (hexavalent)	milligrams per litre	Yearly	NR
Chromium (total)	milligrams per litre	Yearly	0.007
Cobalt	milligrams per litre	Yearly	0.003
Copper	milligrams per litre	Yearly	<0.001
Electrical Conductivity	Microsiemens per centimetre	Quarterly	5539
Ethyl Benzene	milligrams per litre	Yearly	<0.0005
Fluoride	milligrams per litre	Quarterly	0.46
Hydrocarbons	milligrams per litre	Yearly	2.90
Iron	milligrams per litre	Yearly	0.45
Lead	milligrams per litre	Yearly	<0.001
Magnesium	milligrams per litre	Quarterly	83
Manganese	milligrams per litre	Yearly	0.160
Mercury	milligrams per litre	Yearly	<0.0001

Pollutant	Unit	Frequency	Monitoring Point (EPA Identification Number)
			LPI (16)
Nickel	milligrams per litre	Yearly	0.005
Nitrate	milligrams per litre	Quarterly	<0.025
Nitrite	milligrams per litre	Quarterly	0.01
Organochlorine Pesticides	milligrams per litre	Yearly	<0.0001
Organophosphorus Pesticides	milligrams per litre	Yearly	0.0002
pH	pH units	Quarterly	7.14
Phenols	milligrams per litre	Yearly	<0.002
Phosphorus	milligrams per litre	Quarterly	0.7
Polycyclic Aromatic Hydrocarbons	milligrams per litre	Yearly	<0.0001
Potassium	milligrams per litre	Quarterly	180
Redox Potential	millivolts	Quarterly	-24.5
Sodium	milligrams per litre	Quarterly	870
Sulphate	milligrams per litre	Quarterly	5.5
Standing Water Level	Metres AHD	Quarterly	-17.42
Temperature	Degrees Celsius	Quarterly	NR
Toluene	milligrams per litre	Yearly	<0.0005
Total Dissolved Solids	milligrams per litre	Quarterly	3300
Total Organic Carbon	milligrams per litre	Quarterly	97
Xylene	milligrams per litre	Yearly	<0.0015
Zinc	milligrams per litre	Yearly	<0.005

NOTES:

EPL - Environment Protection Licence

< - less than

NR - no result

mAHD - metres Australian Height Datum