

Groundwater Monitoring

EPL No:		11436				
Reporting period		Q3 2021-22				
		Monitoring Location Identification				
		Date of Sampling	29/6/2022	26/6/2022	29/6/2022	28/6/2022
		Date of Reported Results	29/7/2022	25/7/2022	29/7/2022	29/7/2022
Pollutant	Unit*	Frequency	ED3B (41)	WM1 (42)	WM5 (45)	WM6 (46)
Alkalinity (as CaCO3)	mg/L	Quarterly	498	205	686	43
Nitrogen (ammonia)	mg/L	Quarterly	0.1	<0.1	<0.1	0.3
Chloride	mg/L	Quarterly	1830	181	1650	4940
Calcium	mg/L	Quarterly	96.4	235	73.6	107
Magnesium	mg/L	Quarterly	411	114	253	440
Potassium	mg/L	Quarterly	1.3	4.9	2.4	1.6
Sodium	mg/L	Quarterly	965	71.6	749	2250
pH	pH	Quarterly	7.62	7.13	6.98	6.03
Sulphate	mg/L	Quarterly	1400	830	28	323
Total Dissolved Solids	mg/L	Quarterly	5220	1780	3170	2850
Standing Water Level	m	Quarterly	2.47	30.2	0.34	3.22
Chromium (Hex)	mg/L	Yearly	0.01	0.01	<0.01	<0.01
Aluminium	mg/L	Yearly	0.26	0.06	0.54	0.22
Arsenic	mg/L	Yearly	<0.001	<0.001	0.02	<0.002
Cadmium	mg/L	Yearly	0.00214	0.0374	0.00071	0.00357
Cobalt	mg/L	Yearly	0.0021	0.003	0.0016	0.0416
Copper	mg/L	Yearly	0.007	0.028	0.008	0.019
Lead	mg/L	Yearly	0.0062	0.0126	0.0081	0.0203
Manganese	mg/L	Yearly	0.289	0.234	7.77	0.136
Mercury	mg/L	Yearly	0.0001	<0.0001	<0.0001	0.0002
Zinc	mg/L	Yearly	0.189	0.325	0.081	0.335
Fluoride	mg/L	Yearly	0.35	0.5	0.46	0.19
Nitrate	mg/L	Yearly	<0.05	0.64	<0.05	7.54
Nitrite	mg/L	Yearly	<0.01	<0.01	<0.01	<0.01
Organo-chlorine pesticides	mg/L	Yearly	<0.0135	<0.0135	<0.0135	<0.0135
Organo-phosphate pesticides	mg/L	Yearly	<0.014	<0.014	<0.014	<0.014
Polycyclic Aromatic Hydrocarbons	µg/L	Yearly	<0.5	<0.5	<0.5	<0.5
TPH C6-C9	µg/L	Yearly	<20	<20	<20	<20
TPH C10-C14	µg/L	Yearly	<50	<50	<50	<50
TPH C15- C28	µg/L	Yearly	<100	<100	<100	<100
TPH C29-C36	µg/L	Yearly	<50	<50	<50	<50
Benzene	µg/L	Yearly	<1	<1	<1	<1
Toluene	µg/L	Yearly	<2	<2	<2	<2
Ethyl Benzene	µg/L	Yearly	<2	<2	<2	<2
Xylene	µg/L	Yearly	<2	<2	<2	<2
Total Phenols	mg/L	Yearly	<0.05	<0.05	<0.05	<0.1
Total Organic Carbon	mg/L	Yearly	4	4	10	4
Barium	mg/L	Yearly	0.0363	0.0310	0.951	0.0507
Chromium (Total)	mg/L	Yearly	<0.002	<0.0001	0.002	<0.002

* Unit of Measure Abbreviations	
Metres	m
Microsiemens per centimetre	µS/cm
Milligrams per Litre	mg/L
Micrograms per Litre	µg/L

[Veolia Environmental Services Pty Ltd EPL 11436](#)

Licensee:
Veolia Environmental Services (Australia) Pty Ltd Cnr Unwin & Shirley Streets, Rosehill NSW 2142

Premises:
Woodlawn Landfill Collector Road, Tarago NSW 2580