

Groundwater Monitoring

EPL No:	11436
Reporting period	Q3 2021-22

		Monitoring Location Identification							
Date of Sampling		28/6/2022	28/6/2022	28/6/2022	30/6/2022	15/6/2022	29/6/2022	28/6/2022	
Date of Reported Results		29/7/2022	29/7/2022	29/7/2022	12/07/2022	-	29/7/2022	29/7/2022	
Pollutant	Unit*	Frequency	MB1 (25)	MB2 (26)	MB3 (27)	MB4 (28)	MB6 (30)	MB7 (31)	MB10 (33)
Alkalinity (as CaCO3)	mg/L	Quarterly	462	216	239	25	Dry	647	297
Nitrogen (ammonia)	mg/L	Quarterly	<0.1	<0.1	<0.1	0.3		<0.1	<0.1
Chloride	mg/L	Quarterly	223	832	440	510		2950	1030
Calcium	mg/L	Quarterly	180	499	129	12.1		310	464
Magnesium	mg/L	Quarterly	92.4	786	101	104		572	657
Potassium	mg/L	Quarterly	7.4	1.9	12.6	19.7		8.3	2.2
Sodium	mg/L	Quarterly	64.8	250	80.2	204		569	424
pH	pH	Quarterly	7.43	7.02	7.71	5.55		7.45	7.58
Sulphate	mg/L	Quarterly	270	4070	44.1	239		167	3500
Total Dissolved Solids	mg/L	Quarterly	8430	2430	1150	1240		4820	6730
Standing Water Level	m	Quarterly	14.47	1.49	0.2	9.87		1.06	1.53
Chromium (Hex)	mg/L	Yearly	<0.01	<0.01	0.01	<0.01	Dry	<0.01	<0.01
Aluminium	mg/L	Yearly	0.15	0.64	0.16	0.1		0.08	0.18
Arsenic	mg/L	Yearly	<0.001	0.001	<0.001	0.001		<0.001	<0.001
Cadmium	mg/L	Yearly	0.00254	0.0385	0.00258	0.00194		0.0014	0.00415
Cobalt	mg/L	Yearly	0.0004	0.0015	0.0004	0.0209		<0.0002	0.0032
Copper	mg/L	Yearly	0.01	0.016	0.09	0.043		0.004	0.014
Lead	mg/L	Yearly	0.0065	0.0204	<0.0474	0.0034		<0.0018	0.005
Manganese	mg/L	Yearly	0.0149	0.0951	0.0084	0.0241		0.0485	0.577
Mercury	mg/L	Yearly	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Zinc	mg/L	Yearly	0.277	0.154	0.322	0.777		0.145	0.502
Fluoride	mg/L	Yearly	0.27	0.25	0.08	0.07		0.27	0.3
Nitrate	mg/L	Yearly	0.26	<0.05	0.92	0.31		0.62	0.46
Nitrite	mg/L	Yearly	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01
Organo-chlorine pesticides	mg/L	Yearly	<0.0135	<0.0135	<0.0135	<0.0135		<0.0135	<0.0135
Organo-phosphate pesticides	mg/L	Yearly	<0.014	<0.014	<0.014	<0.014		<0.014	<0.014
Polycyclic Aromatic Hydrocarbons	µg/L	Yearly	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
TPH C6-C9	µg/L	Yearly	<20	<20	<20	<20		<20	<20
TPH C10-C14	µg/L	Yearly	<50	<50	<50	<50		<50	<50
TPH C15- C28	µg/L	Yearly	<100	<100	<100	<100		<100	<100
TPH C29-C36	µg/L	Yearly	<50	<50	<50	<50		<50	<50
Benzene	µg/L	Yearly	<1	<1	<1	<1		<1	<1
Toluene	µg/L	Yearly	<2	<2	<2	<2		<2	<2
Ethyl Benzene	µg/L	Yearly	<2	<2	<2	<2		<2	<2
Xylene	µg/L	Yearly	<2	<2	<2	<2		<2	<2
Total Phenols	mg/L	Yearly	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05
Total Organic Carbon	mg/L	Yearly	3	3	2	<1		7	4
Barium	mg/L	Yearly	0.104	0.0276	0.0355	0.0304		131	0.0373
Chromium	mg/L	Yearly	0.006	0.004	0.002	<0.002		0.002	0.003

* Unit of Measure Abbreviations	
Metres	m
Milligrams per Litre	mg/L
Micrograms per Litre	µg/L

Veolia Environmental Services Pty Ltd EPL 11436

Licensee:
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Premises:
Woodlawn Landfill Collector Road, Tarago NSW 2580