

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



Licensee: Dial A Dump (EC) Pty Ltd
 Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek
 EPL Nos. 13426

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BH5s		2015		2016				2017				2018				2019				2020			
Pollutant	Units	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L			<50				<50				<50				<50				<50			
*C15 - C28	µg/L			<100				<100				<100				<100				<100			
*C29 - C36	µg/L			<50				<50				<50				<100				<100			
*C6 - C9	µg/L			<20				<20				<20				<10				<10			
*meta & para-Xylene	µg/L			<2				<2				<2				<1				<2			
*Naphthalene	µg/L			<5				<5				<5				<1				<1			
*Nitrate	mg/L	14.3	0.76	23.8	11.3	11.3	5.62	3.34	11.6	8.25	4.82	1.48	0.21	1.9	8	5.5	6	2	6.2	8.8			
*Nitrite	mg/L	0.07	0.03	<0.01	0.08	0.04	0.02	0.03	0.1	0.06	0.04	0.11	<0.01	0.009	0.008	0.033	0.08	0.31	0.095	<0.005			
*ortho-Xylene	µg/L			<2				<2				<2				<1				<1			
Alkalinity	mg/L	992	740	828	1070	791	827	1050	888	919	3.47	916	1140	1200	1100	1200	1100	1100	900	730			
Aluminium	mg/L			<0.01				<0.01				<0.05				<0.01				0.01			
Arsenic	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Barium	mg/L			0.053				0.069				0.061				0.025				0.034			
Benzene	µg/L			<1				<1				<1				<1				<1			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	mg/L	98	66	95	100	90	82	112	84	88	88	84	95	94	85	76	76	86	88	94			
Chloride	mg/L	175	382	250	640	290	354	6120	248	527	846	474	1050	700	240	260		680	260	170			
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Copper	mg/L			0.014				0.014				0.084				0.032				0.015			
Electrical Conductivity	µS/cm	2796	7310	3550	4400	3800	3910	4890	3120	4060	4633	5416	3568	5310	3653	4008	4009	4877	3666	3747			
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			0.4			0.4	0.2				0.4	0.3			0.4				0.5			
Lead	mg/L			0.003				0.002				<0.001				0.002				0.001			
Magnesium	mg/L	117	97	98	149	110	114	156	112	126	149	110	185	140	110	100	120	160	120	130			
Manganese	mg/L			0.004				0.247				0.073				0.03				0.009			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.0005				<0.00005			
Nitrate + nitrite	mg/L	14.5	0.79	23.8	11.4	11.3	5.64	3.37	11.7	8.31	4.86	1.5	0.21	1.909	8.008	5.533	6.08	2.31	6.3	8.8			
Nitrogen (ammonia)	mg/L	0.07	0.02	0.02	0.01	0.04	<0.01	0.03	<0.01	0.12	0.04	0.07	0.14	<0.005	<0.005	<0.005	0.026	0.014	<0.005	0.03			
pH		7.67	6.83	8.39	7.16	8.23	7.89	7.41	7.76	7.22	8.57	8.18	7.92	6.96	6.17	7.3	7.26	7.04	7.09	7.58			
Phenols	µg/L			<1				<0.05				<1.0				<50				<0.05			
Phosphorus	mg/L			<0.01				0.01				0.01				0.2				<0.05			
Potassium	mg/L	3	5	3	9	4	5	9	5	6	9	4	8	5	2.1	3.3	6.3	9	2.5	4.1			
Redox	mV	99.6	19.8	-64.8	-44.9	-57.6	-85	-59.7	-79.7	-66.9	57.8	33	103.7	27	51.5	9.3	58.5	88.5	39.5	-14.1			
Sodium	mg/L	664	646	590	878	755	710	3270	676	745	879	682	963	970	940	970	870	880	620	570			
Standing water level	m AHD	70.09	69.672	70.27	68.399	70.55	69.03	66.338	70.472	69.1	68.253	67.993	67.867	67.75	68.32	67.32	68.42	67.79	68.2	71.6			
Sulphate	mg/L	899	285	835	613	696	679	501	765	725	588	651	544	650	770	680	700	550	910	1200			
Toluene	µg/L			<2				<2				<2				<1				<1			
Total organic carbon	mg/L			18				3				2				3				16			
Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				<100				<100			
Xylene	µg/L			<2				<2				<2				<1				<2			
Zinc	mg/L			0.031				0.015				0.076				0.22				0.073			