

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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BH17d	Pollutant	Units	2015				2016				2017				2018				2019				2020						
			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					250				
*C15 - C28	µg/L				<100					<100					<100					<100					180				
*C29 - C36	µg/L				<50					<50					<50					<100					<100				
*C6 - C9	µg/L				20					110					70					92					30				
*meta & para-Xylene	µg/L				<2					6					5					6					<2				
*Naphthalene	µg/L				<5					<5					<5					<1					<1				
*Nitrate	mg/L	0.02	<0.01	0.33	0.09	-	<0.01	0.07	<0.01	0.04	0.03			0.01	<0.01	0.13	0.14		0.12	0.064	0.02	0.03		0.63	<0.005	0.006	0.02		
*Nitrite	mg/L	<0.01	<0.01	0.1	<0.01	-	0.02	0.02	0.04	0.06	0.06			0.07	0.07	0.062	0.056		0.061	0.052	0.052	0.046		0.034	0.04	0.029	0.016		
*ortho-Xylene	µg/L				<2					3				2					3					<1					
Alkalinity	mg/L	1740	1480	49	2140	831	1310	1440	1490	1650	1500			1850	1970	2000	1400		2200	2050	5100	1900		2000	1600	2100	970		
Aluminium	mg/L				0.01					0.24				0.24					0.39					0.19					
Arsenic	mg/L				<0.001					0.001				<0.001					<0.001					<0.001					
Barium	mg/L				0.025					0.549				0.795					0.95					1.2					
Benzene	µg/L				<1					29				26					21					28					
Cadmium	mg/L				<0.0001					<0.0001				<0.0001					<0.0001					<0.0001					
Calcium	mg/L	70	23	18	227	<1	26	53	<1	100	166			222	204	260	300		360	270	210	260		270	280	270	72		
Chloride	mg/L	215	251	33	200	145	282	286	293	270	316			297	339	280	250		230	280	220	320		320	280	260	200		
Chromium	mg/L				<0.001					0.001				0.029					0.046					<0.001					
Copper	mg/L				0.045					0.005				0.009					0.02					0.007					
Electrical Conductivity	µS/cm	6961	7781	7530	8740	5970	6370	7010	7100	7890	4832			12028	7807	9060	8452		8521	8199	7125	8019		8715	8670	8014	8184		
Ethyl Benzene	µg/L				<2					<2				<2					<1					<1					
Fluoride	mg/L				1.1					0.3				0.2	0.2				0.1					0.2					
Lead	mg/L				<0.001					<0.001				0.002					0.005					0.003					
Magnesium	mg/L	<1	<1	6	<1	<1	<1	<1	<1	<1	<1			<1	<1	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Manganese	mg/L				0.002					<0.001				<0.001					<0.005					<0.005					
Mercury	mg/L				<0.0001					<0.0001				<0.0001					<0.00005					<0.00005					
Nitrate + nitrite	mg/L	0.02	<0.01	0.43	0.09	0.03	0.02	0.09	0.04	0.1	0.09			0.08	0.07	0.192	0.196		0.181	0.116	0.072	0.07		0.66	0.04	0.03	0.04		
Nitrogen (ammonia)	mg/L	35	41.7	0.01	25.9	14.6	32.9	32.7	31.3	29.5	30.9			30.1	29.6	15	17		13	22	17	27		22	22	15	14		
pH		13	11.55	11.14	12.24	12.06	12.22	12.02	12.5	12.11	11.48			12.5	12.5	12.43	12.19		12.19	12.41	12.24	12.01		12.65	0.32	0.23	1.51		
Phenols	µg/L				<1					<0.05				<1.0					<50					<0.05					
Phosphorus	mg/L				<0.01					0.07				<0.01					<0.05					<0.05					
Potassium	mg/L	38	30	3	30	15	32	26	26	22	27			23	20	26	27		24	30	21	26		22	25	24	25		
Redox	mV	-276.5	-263.4	-193.2	-341.2	-334	-340.6	-331.8	-355.4	-354	-126.1			-121.7	-106.3	-87	-30.9		-124.5	-218.9	-109.2	-265.2		-175.7	-158.9	-89.7	-276.7		
Sodium	mg/L	780	755	18	758	405	762	778	778	761	813			722	646	860	920		870	760	620	730		760	800	990	470		
Standing water level	m AHD	28.72	28.666	28.984	28.901	26.1	24.34	23.77	29.068	29.12	29.09			24.488	29.027	28.93	28.95		29.05	28.29	28.26	29.08		29.1	28.95	NR	32.18		
Sulphate	mg/L	<1	<1	10	<1	5	11	6	26	<1	16			14	20	24	16		12	11	8	9		9	8	10	280		
Toluene	µg/L				<2					28				21					2					13					
Total organic carbon	mg/L				4					12				3					6					10					
Total Petroleum Hydrocarbons	µg/L				<50					<50				<50					92					460					
Xylene	µg/L				<2					9				7					9					<2					
Zinc	mg/L				0.011					<0.005				0.012					0.06					0.13					