

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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BH9s	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				<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				14			
	*meta & para-Xylene	µg/L			<2				<2				<2				<1				<2			
	*Naphthalene	µg/L			<5				<5				<5				<1				<1			
	*Nitrate	mg/L	0.02	0.03	-	0.06	6.72	-	0.05	<0.01	0.37	<0.01	0.7	<0.01	0.01	0.16	0.39	0.099	<0.005	0.005	0.089			
	*Nitrite	mg/L	<0.05	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	2.8	<0.01	<0.005	0.007	<0.005	0.014	<0.005	<0.005	<0.005			
	*ortho-Xylene	µg/L			<2				<2				<2				<0.001				<1			
	Alkalinity	mg/L	910	155	1210	434	1090	1260	912	881	928	641	941	963	770	510	710	170	450	910	760			
	Aluminium	mg/L			<0.01				<0.01				<0.01				<0.01				0.01			
	Arsenic	mg/L			<0.001				0.002				<0.001				0.001				<0.001			
	Barium	mg/L			0.077				9.93				15.4				3.5				8.5			
	Benzene	µg/L			<1				<1				<1				<0.1				<1			
	Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
	Calcium	mg/L	142	90	99	458	102	110	194	233	127	8	220	177	140	110	130	65	60	170	130			
	Chloride	mg/L	2520	648	2910	6150	2720	2910	1750	3090	2980	439	3210	3160	2200	1200	2000	250	820	3100	2200			
	Chromium	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
	Copper	mg/L			<0.001				0.024				<0.001				0.011				0.005			
	Electrical Conductivity	µS/cm	7945	9872	10440	9640	11020	9700	8950	8940	8890	8760	12333	5445	7900	8790	5984	1649	4018	9216	7877			
	Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
	Fluoride	mg/L			0.2				0.2				0.6	0.2			0.2				0.2			
	Lead	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
	Magnesium	mg/L	214	49	202	159	214	203	175	214	203	11	235	210	210	100	170	21	60	240	170			
	Manganese	mg/L			0.034				0.075				0.034				0.08				0.073			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
	Nitrate + nitrite	mg/L	0.02	0.03	10.6	0.06	6.72	5.03	0.05	<0.01	0.37	<0.01	3.5	<0.01	0.01	0.167	0.39	0.113	<0.005	0.005	0.09			
	Nitrogen (ammonia)	mg/L	3.04	0.72	0.1	9.95	0.04	0.03	3.63	3.76	0.05	0.77	4.2	3.77	2.6	1.4	1.8	0.35	1.5	3.7	2.8			
	pH		8.25	7.76	7.65	6.85	7.53	7.1	7.07	7.6	8.24	7.64	7.7	7.4	7.03	7.47	7.64	7.53	7.11	7.07	7.09			
	Phenols	µg/L			<1				<0.05				<1.0				<50				<0.05			
	Phosphorus	mg/L			<0.01				0.12				0.01				0.2				<0.05			
	Potassium	mg/L	37	16	19	39	18	19	25	26	28	6	28	26	31	25	30	7.5	13	34	21			
	Redox	mV	-139.7	-100.6	-17.6	-28.4	-20.1	-39.2	-39.2	-68.5	-126	-77.9	-30.2	-95.6	-71	-41	-12.5	-32.5	-116	-106	-68.2			
	Sodium	mg/L	1610	401	1980	3350	2190	2050	1290	1600	1740	671	1760	1660	2100	950	1700	170	700	1300	1200			
	Standing water level	m AHD	60.19	58.334	50.137	60.099	58.69	58.64	57.73	57.727	60.46	58.699	59.237	59.297	59.03	59.69	59.23	66.33	58.19	59.15	59.21			
	Sulphate	mg/L	<10	128	475	<1	426	388	31	<1	<1	249	7	3	38	120	67	84	45	4	43			
	Toluene	µg/L			<2				<2				<2				<1				<1			
	Total organic carbon	mg/L			<1				3				4				7				2			
	Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50				<100				14			
	Xylene	µg/L			<2				<2				<2				<1				<2			
	Zinc	mg/L			0.013				0.033				0.014				0.039				0.037			