

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
	Alkalinity (total) as CaCO3	mg/L	910	155	540	763	1,000	860	912	881	928	641	941	963	770	510	710	170	450	910	760	790	940	900
	Aluminium (filtered)	mg/L			0.01			860	<0.01				<0.01				<0.01				0.01			
	Arsenic (filtered)	mg/L			<0.001				0.002				<0.001				0.001				<0.001			
	Barium (filtered)	mg/L			2.82				9.93				15.4				3.5				8.5			
	Benzene	µg/L			<1				<1				<1				<1				<1			
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
	Calcium (filtered)	mg/L	142	90	125	174	244	222	194	233	127	8	220	177	140	110	130	65	60	170	130	150	150	150
	Chloride	mg/L	2,520	648	1,320	2,320	3,160	3,030	1,750	3,090	2,980	439	3,210	3,160	2,200	1,200	2,000	250	820	3,100	2,200	2,400	2,800	3,000
	Chromium (III+VI) (filtered)	mg/L			0.002				0.001				<0.001				<0.001				<0.001			
	Copper (filtered)	mg/L			<0.001				0.024				<0.001				0.011				0.005			
	EC (Field)	µS/cm	7,945	9,872	10,100	7,400	9,000	9,320	8,450	8,940	8,890	8,760	12,333	5,445	7,900	8,790	5,984	1,649	4,018	9,216	7,877	8,555	8,625	9,952
	Ethylbenzene	µg/L			<2				<2				<2				<1				<1			
	Fluoride	mg/L			0.2				0.2	0.2	0.1	0.6	0.6	0.2			0.2				0.2			
	Lead (filtered)	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
	Magnesium (filtered)	mg/L	214	49	107	166	251	217	175	214	203	11	235	210	210	100	170	21	60	240	170	180	220	230
	Manganese (filtered)	mg/L			0.085				0.075				0.034				0.08				0.073			
	Mercury (filtered)	mg/L			<0.0001								<0.0001				<0.00005				<0.00005			
	Nitrogen (Total Oxidised)	mg/L	0.02	0.03	0.19	0.39	<0.01	0.02	0.05	<0.01	0.37	<0.01	3.5	<0.01	0.01		0.113	<0.005	0.006		0.09	0.4	<0.005	<0.005
	Ammonia	mg/L	3.04	0.72	1.16	2.43	3.52	3.83	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	2.7	3.8	4.5
	pH (Field)		8.25	7.76	7.81	7.1	6.87	7.18	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	6.14	6.94	7.01
	Phenolics Total	µg/L			0				<0.05				<0.05				<0.05				<0.05			
	Phosphorus	mg/L			0.04				0.12				0.01				0.2				<0.05			
	Potassium (filtered)	mg/L	37	16	22	24	29	28	25	26	28	6	28	26	31	25	30	7.5	13	34	21	24	29	29
	Redox Potential (Field)	mV	-139.7	-100.6	-37.8	-43.6	-21.7	-44.1	-39.2	-68.5	-126	-77.9	-30.2	-95.6	-71	-41	-12.5	-32.5	-116	-106	-68.2	28.2	-88.8	7.8
	Sodium (filtered)	mg/L	1,610	401	792	1,280	1,810	1,740	1,290	1,600	1,740	671	1,760	1,660	2,100	950	1,700	170	700	1,300	1,200	1,500	1,500	1,500
	Sulphate	mg/L	<10	128	76	32	<1	1	31	<1	<1	249	7	3	38	120	67	84	45	4	43	31	1	<1
	Toluene	µg/L			<2				<2				<2				<1				<1			
	TOC	mg/L			4				3				4				7				2			
	Xylene Total	µg/L			<2				<2				<2				<2				<2			
	Xylene (m & p)	µg/L			<2				<2				<2				<2				<2			
	Xylene (o)	µg/L															<1				<1			
	Zinc (filtered)	mg/L			<0.005				0.033				0.014				0.039				0.037			
	C10-C14	µg/L			<50				<50				<50				<50				<50			
	C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				<0.05			
	C15-C28	µg/L			190				<100				<100				<100				<100			
	C18-C34	mg/L			0.26				<0.1				<0.1				<0.1				<0.1			
	C25-C36	µg/L			80				<50				<50				<100				<100			
	C34-C40	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1			
	C6-C10	mg/L			<0.02				<0.02				<0.02				<0.01				0.028			
	C6-C9	µg/L			<20				<20				<20				<10				14			
	F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				<0.05				<0.05			
	C10-C40 (Sum of total)	µg/L			260				<100				<100				<100				<100			
	+C10-C36 (Sum of total)	µg/L			270				<50				<50				<50				<50			

