

**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
	Alkalinity (total) as CaCO <sub>3</sub>	mg/L	1,740	1,480	49	2,140	831	1,310	1,440	1,490	1,650	1,500	1,850	1,970	2,000	1,400	2,200	2,050	5,100	1,900	2,000	1,900	2,200	1,200
	Aluminium (filtered)	mg/L			0.01				0.24				0.24				0.39				0.19			
	Arsenic (filtered)	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
	Barium (filtered)	mg/L			0.025				0.549				0.795				0.95				1.2			
	Benzene	µg/L			<1				29				26				21				28			
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
	Calcium (filtered)	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 (III+VI) (filtered)	mg/L			<0.001				0.001				0.029				0.046				<0.001			
	Copper (filtered)	mg/L			0.045				0.005				0.009				0.02				0.007			
	EC (field)	µS/cm	6,961	7,781	7,530	8,740	5,970	6,370	7,010	7,100	7,890	4,832	12,028	7,807	9,060	8,452	8,591	8,199	7,125	8,019	8,715	8,670	8,014	8,184
	Ethylbenzene	µg/L			<2				<2				<2				<1				<1			
	Fluoride	mg/L			1.1				0.3		0.2	0.2	0.2	0.2			0.1				0.2			
	Lead (filtered)	mg/L			<0.001				<0.001				0.002				0.005				0.003			
	Magnesium (filtered)	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	39
	Manganese (filtered)	mg/L			0.002				<0.001				<0.001				<0.005				<0.005			
	Mercury (filtered)	mg/L			<0.0001								<0.0001				<0.00005				<0.00005			
	Nitrogen (Total Oxidised)	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
	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 (Field)	-	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	12.32	12.32	12.48
	Phenolics Total	µg/L			<0.01				0.06				<0.01				<0.05				<0.05			
	Phosphorus	mg/L			3	30	15	32	26	26	22	27	23	20	26	27	24	30	21	26	22	25	24	25
	Potassium (filtered)	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 Potential (Field)	mV	-276.5	-263.4	-193.2	-341.2	-334	-340.6	-331.8	-355.4	-354.1	-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 (filtered)	mg/L	780	755	18	758	405	762	778	778	761	813	722	646	860	920	870	760	620	730	760	800	990	470
	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				20				13			
	TOC	mg/L			4				12				3				6				10			
	Xylene Total	µg/L			<2				9				7											
	Xylene (m & p)	µg/L			<2				6				5				6				<2			
	Zinc (filtered)	mg/L			0.011				<0.005				0.012				0.06				0.13			
	C10-C14	µg/L			<50				<50				<50				<50				250			
	C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				0.23			
	C15-C28	µg/L			<100				<100				<100				<100				180			
	C16-C34	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1			
	C29-C36	µg/L			<50				<50				<50				<100				<100			
	C34-C40	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1			
	C6-C10	µg/L			0.02				0.11				0.07				0.098				0.025			
	C6-C9	µg/L			20				110				70				92				30			
	F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				<0.1				0.23			
	C10-C40 (Sum of total)	µg/L			<100				<100				<100				<100							
	+C10-C36 (Sum of total)	µg/L			<50				<50				<50				<50							

