

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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BH14s	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	690	857	882	997	825	884	992	940	846	965	958	950	950	1,000	1,000	1,000	1,000	990	1,100	990	1,100	1,100		
	Aluminium (filtered)	mg/L			0.01				<0.01				0.04				<0.01				0.03					
	Arsenic (filtered)	mg/L			0.012				0.008				0.004				0.003				0.002					
	Barium (filtered)	mg/L			2.35				2.54				2.23				2.2				2.4					
	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	270	14	21	21	19	23	20	13	13	7	18	16	13	12	13	12	13	15	18	16	15	16		
	Chloride	mg/L	3,710	310	422	428	386	366	372	400	384	375	389	390	360	340	350	340	320	390	430	420	470	380		
	Chromium (III+VI) (filtered)	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001					
	Copper (filtered)	mg/L			<0.001				<0.001				<0.001				0.019				0.002					
	EC (field)	µS/cm	16,506	9,895	2,720	2,470	1,960	2,700	2,710	2,470	2,490	2,517	3,610	1,567	3,090	2,508	2,449	2,159	2,650	2,606	2,821	2,880	2,725	3,005		
	Ethylbenzene	µg/L			<2				<2				<2				<1				<1					
	Fluoride	mg/L			0.4				0.3		0.3	0.3	0.4	0.2			0.3				0.3					
	Lead (filtered)	mg/L			<0.001				<0.001				<0.001				0.002				<0.001					
	Magnesium (filtered)	mg/L	135	16	18	18	17	17	16	16	14	11	14	16	16	16	17	16	15	19	18	18	18	19		
	Manganese (filtered)	mg/L			0.039				0.028				0.024				0.036				0.027					
	Mercury (filtered)	mg/L			<0.0001								<0.0001				<0.00005				<0.00005					
	Nitrogen (Total Oxidised)	mg/L	0.01	0.01	<0.01	0.03	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.05	2.74	0.04			<0.005	0.02	0.02	0.008	0.04	0.02	0.05		
	Ammonia	mg/L	1.04	0.74	1.2	1.32	1.44	1.33	1.41	1.5	1.31	1.36	1.31	1.19	0.93	1.4	1.1	1.6	1.7	1.6	1.7	1.7	2.0	1.7		
	pH (field)	-	5.73	7.03	8.04	7.59	8.01	7.68	7.73	8.22	7.62	7.68	8.43	7.77	7.64	7.1	7.18	7.98	7.52	7.63	7.6	7.35	7.60	7.53		
	Phenolics Total	µg/L							<0.05												<50					
	Phosphorus	mg/L			0.02			0.36	0.28				0.01				2.4				0.1					
	Potassium (filtered)	mg/L	36	10	11	10	10	11	11	11	9	11	9	10	13	12	13	12	12	13	10	11	12	12		
	Redox Potential (Field)	mV	55.5	22.1	-40.8	65.9	-35.8	-74.5	-77.1	-104	-89.5	104.1	-129.5	-99.3	-82	-109.7	-126.5	-102.2	-134.9	-159	-112.1	-151.4	-156.1	-102.9		
	Sodium (filtered)	mg/L	2,580	642	659	643	684	615	651	674	554	555	579	572	750	790	890	670	600	670	570	670	700	600		
	Sulphate	mg/L	<1	<1	2	2	13	8	8	6	10	9	4	11	15	10	6	4	6	5	3	7	4	2		
	Toluene	µg/L			<2				<2				<2				<1				<1					
	TOC	mg/L			2				7				4				6				4					
	Xylene Total	µg/L			<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				0.006				0.006				0.033				0.024					
	C10-C14	µg/L			<50				<50				<50				<50				160					
	C10-C16	mg/L			<0.1				<0.1				<0.1				0.091				0.13					
	C15-C28	µg/L			<100				<100				<100				160				180					
	C16-C34	mg/L			<0.1				<0.1				<0.1				0.16				<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	mg/L			<0.02				<0.02				<0.02				<0.01				<0.01					
	C6-C9	µg/L			<20				<20				<20				<10				<10					
	F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				0.091				0.13					
	C10-C40 (Sum of total)	µg/L			<100				<100				<100				251									
	+C10-C36 (Sum of total)	µg/L			<50				<50				<50				160									

