

**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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BH111	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	274	242	49	49		232	242	161	188	195	61	220	230	260	450	440	340	400	400	390	290	330
	Aluminium (filtered)	mg/L			0.01				0.34				0.04				0.17				0.03			
	Arsenic (filtered)	mg/L			<0.001				0.001				0.002				0.009				0.004			
	Barium (filtered)	mg/L			0.027				0.258				0.056				3.8				0.55			
	Benzene	µg/L			<1				<1				<1				5				2			
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
	Calcium (filtered)	mg/L	29	8	17	17		7	63	8	8	5	7	15	18	24	38	36	30	76	77	82	170	150
	Chloride	mg/L	263	323	32	30		32	133	42	46	51	18	52	65	73	970	880	250	160	180	160	66	110
	Chromium (III+VI) (filtered)	mg/L			<0.001				0.004				<0.001				<0.001				0.002			
	Copper (filtered)	mg/L			0.043				0.007				0.005				0.017				0.001			
	EC (field)	uS/cm	1,330	1,855	1,820	2,215		1,680	1,670	4,720	4,910	569	1,327	745	810	735	3,383	3,092	1,483	1,306	1,290	1,035	1,069	1,359
	Ethylbenzene	µg/L			<2				0.2				<2				<1				<1			
	Fluoride	mg/L			1				0.2		1.4	1.1	0.8	1			0.6				0.8			
	Lead (filtered)	mg/L			<0.001				0.01				<0.001				0.003				<0.001			
	Magnesium (filtered)	mg/L	<1	<1	6	5		1	<1	3	3	2	2	2	3.3	4.1	14	13	6	6.5	6.9	6.3	7.4	8.1
	Manganese (filtered)	mg/L			0.002				0.002				0.002				0.095				0.26			
	Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
	Nitrogen (Total Oxidised)	mg/L	0.33	0.16	0.44	0.52		1	0.37	0.23	<0.01	<0.01	<0.01	<0.01	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	0.02	<0.005
	Ammonia	mg/L	10.5	6.1	0.02	0.01		0.28	6.65	0.47	0.49	1.05	1.04	0.99	0.76	0.75	2.3	2.4	1.3	1.1	1.2	1.0	0.42	1.6
	pH (Field)	-	11	11.25	11.24	11.52		11.64	11.65	8.87	8.22	7.98	7.91	8.16	7.46	7.04	7.35	8.15	7.33	7.83	6.88	5.88	5.69	5.17
	Phenolics Total	µg/L															<50				<50			
	Phosphorus	mg/L			<0.01				0.25				<0.01				<0.05				0.06			
	Potassium (filtered)	mg/L	10	10	3	2		3	6	6	5	6	2	5	7.9	9.7	21	19	12	14	15	14	8.8	11
	Redox Potential (Field)	mV	-11.3	-47.6	-21.6	-65		-309.7	-303.3	-143.9	-124.9	26.5	-45.3	-76.6	-179	-30.3	-112.5	-152.8	-264.7	25.3	-239	-186.1	17.3	-6.7
	Sodium (filtered)	mg/L	271	279	18	16		112	133	101	103	105	32	110	150	140	960	770	260	180	200	190	66	130
	Sulphate	mg/L	5	6	10	9		10	5	17	15	21	11	24	27	26	3	2	13	18	46	37	250	150
	Toluene	µg/L			<2				11				<2				4				<1			
	TOC	mg/L			4				13				7				14				33			
	Xylene Total	µg/L			<2				<2				<2				<2				<2			
	Xylene (m & p)	µg/L			<2				<2				<2				<1				<1			
	Xylene (o)	µg/L			0.013				0.019				0.01				0.066				0.012			
	Zinc (filtered)	mg/L																						
	C10-C14	µg/L			<50				<50				<50				<50				78			
	C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				0.1			
	C15-C28	µg/L			<100				<100				<100				<100				280			
	C16-C34	mg/L			<0.1				1.23				<0.1				<0.1				0.24			
	C29-C36	µg/L			<50				580				<50				<100				<100			
	C34-C40	mg/L			<0.1				0.22				<0.1				<0.1				<0.1			
	C6-C10	mg/L			0.02				0.05				<0.02				0.043				<0.01			
	C6-C9	µg/L			20				50				<20				32				<10			
	F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				<0.05				0.1			
	C10-C40 (Sum of total)	µg/L			<100				1,450				<100											
	+C10-C36 (Sum of total)	µg/L			<50				1,330				<50											

Well covered by bin

