

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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BH6d	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	461	406	821	1,240	596	425	657	818	156	48	697	850	570	670	1,200	1,100	660	720	720	1,000	1,000	1,000		
	Aluminium (filtered)	mg/L			<0.01				0.01				<0.01				0.02				0.01					
	Arsenic (filtered)	mg/L			<0.001				0.004				0.003				0.006				0.004					
	Barium (filtered)	mg/L			0.04				11.2				13.8				28				14					
	Benzene	µg/L			10				3				<1			7				2						
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001					
	Calcium (filtered)	mg/L	410	354	100	99	87	452	147	217	9	29	171	257	130	170	330	290	150	190	160	340	290	350		
	Chloride	mg/L	5,380	6,220	242	2,730	1,640	6,590	1,760	3,230	47	29	2,210	3,040	2,000	2,100	2,700	2,700	2,600	2,300	2,500	3,200	3,400	3,500		
	Chromium (III+VI) (filtered)	mg/L			<0.001				0.003				<0.001				0.001				0.005					
	Copper (filtered)	mg/L			0.007				0.002				<0.001				0.01				0.008					
	EC (field)	µS/cm	16,190	16,180	14,640	10,990	14,330	6,960	6,570	9,780	10,083		11,725	9,944	5,160	7,153	10,710	9,927	9,706	7,433	7,095	11,053	10,395	11,259		
	Ethylbenzene	µg/L			<2				<2				<2				<1				<1					
	Fluoride	mg/L			0.4				0.3		1.3	1.3	0.2	0.2			0.1				0.2					
	Lead (filtered)	mg/L			<0.001				0.003				<0.001				0.001				<0.001					
	Magnesium (filtered)	mg/L	193	165	105	202	20	163	38	89	2	4	45	72	37	43	96	82	86	50	48	99	89	110		
	Manganese (filtered)	mg/L			0.003				0.477				0.288				0.19				0.52					
	Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005					
	Nitrogen (Total Oxidised)	mg/L	<0.01	<0.01	0.08	9.02	0.46	0.04	<0.01	0.02	0.07	0.29	<0.01	0.04	0.05	0.077	<0.005	<0.025	0.007	<0.005	0.006	<0.005	0.02	<0.005		
	Ammonia	mg/L	7.82	7.9	10.7	0.12	3.3	8.35	7.8	3.13	<0.01	0.04	5.64	5.34	8.1	7	5.8	6.4	5.6	8.7	6.5	6.2	6.4	6.2		
	pH (Field)		5.98	7.99	6.99	6.73	6.98	6.7	6.71	7.28	6.99		8.23	7.3	7.05	6.78	6.56	7.17	7.37	6.76	6.61	6.63	6.71	6.64		
	Phenolics Total	µg/L			<0.05				<0.05				<100				<50				<50					
	Phosphorus	mg/L			<0.01				0.03				0.03				0.07				<0.05					
	Potassium (filtered)	mg/L	49	41	2	18	24	42	40	64	4	3	43	55	46	49	71	65	60	56	47	78	69	64		
	Redox Potential (Field)	mV	85.3	-30.1	18.3	-93	20.1	-17.1	-18	-50.7	-31.37		-68.4	72.3	-46	-82.9	-59.3	-96.9	135.9	49.6	-59.1	-82.9	-50.7	49.2		
	Sodium (filtered)	mg/L	3,660	3,570	637	1,920	782	3,580	1,270	1,850	109	17	1,390	1,670	1,600	3,100	2,300	1,900	1,600	1,300	1,400	2,200	2,100	1,900		
	Sulphate	mg/L	<10	<10	908	360	<1	<1	<1	<1	25	41	<1	<1	54	2	<1	<1	<1	<1	<1	10	<1	<1		
	Toluene	µg/L			21				<2				<2				2				<1					
	TOC	mg/L			22				20				7				89				34					
	Xylene Total	µg/L			12				<2				<2													
	Xylene (m & p)	µg/L			8				<2				<2				<2				<2					
	Xylene (o)	µg/L															<1				<1					
	Zinc (filtered)	mg/L			0.016				5.82				3.9				0.17				3					
	C10-C14	µg/L			<50				<50				90				<50				240					
	C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				0.2					
	C15-C28	µg/L			<100				130				110				<100				240					
	C16-C34	mg/L			0.14				0.14				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	mg/L			0.07				<0.02				<0.02				0.029				<0.01					
	C6-C9	µg/L			70				<20				<20				25				<10					
	F2 minus Naphthalene	mg/L							<0.1				<0.1				<0.05				0.2					
	C10-C40 (Sum of total)	µg/L							140				100				<100									
	+C10-C36 (Sum of total)	µg/L							130				200				<100									

