

Dial A Dump (EC) Pty Ltd
Groundwater Monitoring



Licensee: Dial-A-Dump (EC) Pty Ltd EPL Nos.: 13426 and 20121
Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek

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BH2i	Pollutant	Units	2015		2016				2017				2018			
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L				<50				<50				<50			
*C15 - C28	µg/L				<100				<100				<100			
*C29 - C36	µg/L				<50				<50				<50			
*C6 - C9	µg/L				<20				<20				<20			
*meta & para-Xylene	µg/L				<2				<2				<2			
*Naphthalene	µg/L				<5				<5				<5			
*Nitrate	mg/L	<0.01	0.01	<0.01	0.06	-	0.27	0.05	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	0.02	
*Nitrite	mg/L	0.03	<0.01	<0.01	<0.01	-	0.02	<0.01	<0.01	0.06	<0.01	0.02	<0.01	<0.005		
*ortho-Xylene	µg/L				<2				<2				<2			
Alkalinity	mg/L	622	386	506	568	623	490	666	885	42	477	547	971	130		
Aluminium	mg/L			<0.01				<0.01				<0.01				
Arsenic	mg/L			<0.001				<0.001				<0.001				
Barium	mg/L			2.82				19.5				49.7				
Benzene	µg/L			<1				<1				<1				
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				
Calcium	mg/L	112	10	125	107	100	125	275	253	11	125	264	179	48		
Chloride	mg/L	1670	75	1180	958	1030	1520	3440	3110	31	718	4350	3220	12		
Chromium	mg/L			0.002				<0.001				<0.001				
Copper	mg/L			<0.001				0.001				0.004				
Electrical Conductivity	µS/cm	301.3	310.6	3210	3730	3810		3810	3550	3651	2835	3335	3273	419		
Ethyl Benzene	µg/L			<2				<2				<2				
Fluoride	mg/L			0.2				0.4				0.3	0.2			
Lead	mg/L			<0.001				<0.001				<0.001				
Magnesium	mg/L	139	3	108	17	17	124	95	229	5	12	127	213	1.3		
Manganese	mg/L			0.083				0.078				0.156				
Mercury	mg/L			<0.0001				<0.0001				<0.0001				
Nitrate + nitrite	mg/L	0.01	0.01	<0.01	0.06	<0.01	0.29	0.05	<0.01	0.46	<0.01	0.01	<0.01	0.02		
Nitrogen (ammonia)	mg/L	1.99	0.47	1.11	2.56	3.53	0.11	16.4	3.82	0.02	4.42	9.04	3.77	1.1		
pH		8.41	8.31	8.24	6.99	7.07		7.01	7.5	7.21	8.68	7.8	7.89	7.27		
Phenols	µg/L			4.3				<1				<1.0				
Phosphorus	mg/L			0.14				<0.02				0.03				
Potassium	mg/L	23	12	22	18	16	16	84	29	2	15	75	26	4.3		
Redox	mV	39.6	40.3	39.3	-28.5	-33.8		-29.8	-33.6	-37.1	-220.2	-96.6	-117.9	-186		
Sodium	mg/L	1080	236	812	735	769	943	2030	1730	18	525	3210	1660	12		
Standing water level	m AHD	25.11	24.535	36.304	30.558	39	34.16	38.184	44.402	44.1	45.112	47.675	46.91	46.6		
Sulphate	mg/L	34	23	92	<10	40	5	13	<1	9	90	<1	<1	21		
Toluene	µg/L			<2				<2				<2				
Total organic carbon	mg/L			2				2				4				
Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				
Xylene	µg/L			<2				<2				<2				
Zinc	mg/L			<0.005				0.018				0.041				