

**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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BH3d		2015		2016				2017				2018			
Pollutant	Units	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	-	0.06	6.72	-	0.06	0.34	0.03	0.34	<0.01	<0.01		
*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	0.05	0.02	0.01		
*Total Cations	meq/L	188	11.6	108	183	118	112	104	2.13	5.43	2.62	2.32	161		
Alkalinity	mg/L	584	389	1210	434	1090	1260	513	44	155	56	50	747		
Aluminium	mg/L			<0.01				<0.01				<0.01			
Arsenic	mg/L			<0.001				<0.01				<0.001			
Barium	mg/L			0.077				14.3				0.024			
Benzene	µg/L			<1				<1				<1			
Cadmium	mg/L			<0.0001				<0.0001				0.0002			
Calcium	mg/L	400	8	99	458	102	110	216	16	9	11	16	316		
Chloride	mg/L	5400	134	2910	6150	2720	2910	2790	28	46	35	26	5720		
Chromium	mg/L			<0.001				<0.001				<0.001			
Copper	mg/L			<0.001				0.01				3.95			
Electrical Conductivity	µS/cm	16660	15740	10440	9640	11020	9700	8400	8495	8449	8429	8455	8444		
Ethyl Benzene	µg/L			<2				<2				<2			
Fluoride	mg/L			0.2				0.2				1	0.2		
Lead	mg/L			<0.001				<0.001				0.026			
Magnesium	mg/L	188	3	202	159	214	203	234	6	2	6	6	139		
Manganese	mg/L			0.034				0.063				0.001			
Mercury	mg/L			<0.0001				<0.0001				<0.0001			
Nitrate + nitrite	mg/L	<0.01	<0.01	10.6	0.06	6.72	5.03	0.06	0.34	0.03	0.39	0.01	<0.01		
Nitrogen (ammonia)	mg/L	7.27	0.5	0.1	9.95	0.04	0.03	3.47	0.04	0.02	0.12	0.04	8.2		
pH		6.98	6.98	7.65	6.85	7.53	7.1	7.01	8.44	8.49	8.45	8.47	8.49		
Phenols	µg/L			<10				<0.05				<1.0			
Phosphorus	mg/L			<0.01				0.1				<0.01			
Potassium	mg/L	48	13	19	39	18	19	26	2	3	2	3	43		
Redox	mV	23	21.1	-17.6	-28.4	-20.1	-39.1	-29.8	-23.1	-19.3	-20.7	-21.3	-20.4		
Sodium	mg/L	3470	245	1980	3350	2190	2050	1680	18	109	671	22	3040		
Standing water level	m AHD	5.19	3.399	29.355	15.047	29.83	15.931	19.627	20.873	24.102	25.779	27.609	29.663		
Sulphate	mg/L	<1	30	475	<1	426	388	9	11	30	15	10	<1		
Toluene	µg/L			<2				<2				<2			
Total organic carbon	mg/L			<1				4				4			
Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50			
Xylene	µg/L			<2				<2				<2			
Zinc	mg/L			0.013				0.02				1.66			

WELL DAMAGED