

**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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BH14s		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	-	0.03	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.05	2.72	0.04	
*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.005	
*ortho-Xylene	µg/L			<2				<2				<2			
Alkalinity	mg/L	690	857	882	997	825	884	992	940	846	965	958	950	950	
Aluminium	mg/L			0.01				<0.01				0.04			
Arsenic	mg/L			0.012				0.008				0.004			
Barium	mg/L			2.35				2.54				2.23			
Benzene	µg/L			<1				<1				<1			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001			
Calcium	mg/L	270	14	21	21	19	23	20	13	13	7	18	16	13	
Chloride	mg/L	3710	310	422	428	386	366	372	400	384	375	389	390	360	
Chromium	mg/L			<0.001				<0.001				<0.001			
Copper	mg/L			<0.001				<0.001				<0.001			
Electrical Conductivity	µS/cm	16506	9895	2720	2470	1960	2700	2710	2470	2490	2517	3610	1567	3090	
Ethyl Benzene	µg/L			<2				<2				<2			
Fluoride	mg/L			0.4				0.3				0.4	0.2		
Lead	mg/L			<0.001				<0.001				<0.001			
Magnesium	mg/L	135	16	18	18	17	17	16	16	14	11	14	16	16	
Manganese	mg/L			0.039				0.028				0.024			
Mercury	mg/L			<0.0001				<0.0001				<0.0001			
Nitrate + nitrite	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	
Nitrogen (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	
pH		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	
Phenols	µg/L			<1				<0.05				<1.0			
Phosphorus	mg/L			0.02			0.36	0.28				0.01			
Potassium	mg/L	36	10	11	10	10	11	11	11	9	11	9	10	13	
Redox	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	
Sodium	mg/L	2580	642	659	643	684	615	651	674	554	555	579	572	750	
Standing water level	m AHD	51.31	51.076	51.841	51.903	52.389	51.942	51.884	51.929	51.94	51.948	51.864	51.883	51.45	
Sulphate	mg/L	<1	<1	2	2	13	8	8	6	10	9	4	11	15	
Toluene	µg/L			<2				<2				<2			
Total organic carbon	mg/L			2				7				4			
Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50			
Xylene	µg/L			<2				<2				<2			
Zinc	mg/L			<0.005				0.006				0.006			