

**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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BH26d		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			80				40				70			
*meta & para-Xylene	µg/L			8				9				20			
*Naphthalene	µg/L			<5				<5				<5			
*Nitrate	mg/L			<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	0.02	0.02	
*Nitrite	mg/L			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	
*ortho-Xylene	µg/L			4				4				8			
Alkalinity	mg/L			506	584	753	627	349	554	824	938	948	943	933	930
Aluminium	mg/L				0.02				<0.01				<0.01		
Arsenic	mg/L				0.002				0.002				0.002		
Barium	mg/L				6.8				7.29				25.1		
Benzene	µg/L				10				8				14		
Cadmium	mg/L				<0.0001				<0.0001				<0.0001		
Calcium	mg/L			8	88	170	184	87	84	180	165	182	223	191	200
Chloride	mg/L			3290	3610	3450	3230	1340	1930	3490	3190	3320	3410	3160	3000
Chromium	mg/L				<0.001				<0.001				<0.001		
Copper	mg/L				<0.001				<0.001				<0.001		
Electrical Conductivity	µS/cm			9872	11050	10750	10720	9570	10830			7070	5988	4231	10270
Ethyl Benzene	µg/L				<2				<2				2		
Fluoride	mg/L				0.2			0.1	0.2				0.2	0.1	
Lead	mg/L				<0.001				<0.001				<0.001		
Magnesium	mg/L			28	66	77	74	37	33	70	57	70	79	73	74
Manganese	mg/L				0.122				0.124				0.2		
Mercury	mg/L				<0.0001				<0.0001				<0.0001		
Nitrate + nitrite	mg/L			<0.01	<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	0.02	0.02
Nitrogen (ammonia)	mg/L			15.5	10.7	8.82	8.54	4.18	8.64	8.2	7.67	8.27	7.93	8.02	8
pH				10.79	8.25	6.86	8.2	6.95	7.28			6.78	7.11	7.04	7.1
Phenols	µg/L				1.5				<1				<1.0		
Phosphorus	mg/L				<0.01				<0.01				0.1		
Potassium	mg/L			103	73	78	70	36	30	64	54	83	70	63	69
Redox	mV			-100.6	-53.7	-28.3	16.2	-31.3	-48.2			-143.1	-112.1	-140.4	-45
Sodium	mg/L			2190	2040	2240	2340	1030	928	2050	1550	1850	2110	1890	2500
Standing water level	m AHD			3.515	19.034	20.578	20.706	23.122	24.576	24.421	24.973	25.44	26.054	26.783	25.77
Sulphate	mg/L			116	25	<1	2	2	<1	<10	<1	<10	<1	<5	4
Toluene	µg/L				22				<2				<2		
Total organic carbon	mg/L				21				5				18		
Total Petroleum Hydrocarbons	µg/L				80				<50				<50		
Xylene	µg/L				12				13				28		
Zinc	mg/L				0.009				<0.005				0.009		

it did not exist