

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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BH7i	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				100			
	*C15 - C28	µg/L			<100				<100				<100			
	*C29 - C36	µg/L			<50				<50				<50			
	*C6 - C9	µg/L			<20				<20				40			
	*meta & para-Xylene	µg/L			<2				<2				<2			
	*Naphthalene	µg/L			<5				<5				<5			
	*Nitrate	mg/L	<0.01	<0.01	-	0.06	0.01	-	<0.01	0.02	0.09	0.3	0.15	<0.01	0.01	
	*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	0.31	0.22	<0.005	
	*ortho-Xylene	µg/L			<2				<2				<2			
	Alkalinity	mg/L	465	401	483	436	480	417	443	579	155	40	536	467	440	
	Aluminium	mg/L			<0.01				<0.01				<0.01			
	Arsenic	mg/L			0.002				0.003				<0.001			
	Barium	mg/L			58.3				52.7				61.4			
	Benzene	µg/L			1				<1				<1			
	Cadmium	mg/L			<0.001				<0.0001				<0.0001			
	Calcium	mg/L	395	353	353	456	247	437	398	452	9	11	376	322	250	
	Chloride	mg/L	5350	6240	6450	6190	4070	6580	6120	6480	47	29	6050	6540	6200	
	Chromium	mg/L			<0.001				<0.001				<0.001			
	Copper	mg/L			0.074				<0.001				0.007			
	Electrical Conductivity	µS/cm	16280	14274	18010	17900	18350	12200	18090	17530	12256	15958	25800	15180	18280	
	Ethyl Benzene	µg/L			<2				<2				<2			
	Fluoride	mg/L			0.1				0.2				0.1	0.1		
	Lead	mg/L			<0.001				<0.001				<0.001			
	Magnesium	mg/L	191	165	164	158	94	152	164	170	2	4	155	158	160	
	Manganese	mg/L			0.421				0.239				0.401			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001			
	Nitrate + nitrite	mg/L	<0.01	<0.01	<0.01	0.06	0.01	<0.01	<0.01	0.02	0.1	0.3	0.46	0.09	0.01	
	Nitrogen (ammonia)	mg/L	7.24	7.96	8.39	7.61	3.54	8.57	8	8.46	0.03	0.03	8.26	8.11	7.5	
	pH		5.73	6.05	6.25	5.84	6.22	6.31	6.55	6.8	6.55	6.63	7.2	7.05	6.5	
	Phenols	µg/L			<1				<0.05				<1.0			
	Phosphorus	mg/L			0.02				0.14				0.02			
	Potassium	mg/L	47	40	37	39	23	39	41	45	4	2	40	39	49	
	Redox	mV	86.5	36.8	64.4	30.1	67	57	-10.1	-23.7	-20.1	-17.9	-50.8	-51.4	121	
	Sodium	mg/L	3560	3620	3490	3310	2080	3430	3270	3640	108	17	3260	3390	4600	
	Standing water level	m AHD	56.16	56.373	62.478	56.949	56.565	55.253	55.94	56.732	56.595	56.587	56.485	56.538	56.35	
	Sulphate	mg/L	<10	<10	<1	<1	<10	<1	<1	<1	28	7	1	<1	3	
	Toluene	µg/L			<2				<2				<2			
	Total organic carbon	mg/L			<1				2				2			
	Total Petroleum Hydrocarbons	µg/L			<50				<50				100			
	Xylene	µg/L			<2				<2				<2			
	Zinc	mg/L			0.04				0.039				0.466			