

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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BH15s	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					<2.0				<2			
*Naphthalene	µg/L				<5					<1.0				<5			
*Nitrate	mg/L	0.51	22.2	-	0.04	0.03	-	0.13	0.05	<0.01	0.07	0.04	0.04	0.058			
*Nitrite	mg/L	0.02	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005			
*ortho-Xylene	µg/L				<2					<2.0				<2			
Alkalinity	mg/L	1250	777	1030	1110	1040	1060	1010	1080	1100	1230	1210	1180	1200			
Aluminium	mg/L			<0.01				<0.01				<0.01					
Arsenic	mg/L			0.002				0.001				<0.001					
Barium	mg/L			0.056				0.057				0.109					
Benzene	µg/L			<1				<1.0				<1					
Cadmium	mg/L			<0.0001				<0.0001				<0.0001					
Calcium	mg/L	84	76	81	82	85	88	80	75	98	64	85	71	69			
Chloride	mg/L	1310	1260	1790	1360	1470	1440	1170	1380	1320	1370	1400	1280	1400			
Chromium	mg/L			<0.001				<0.001				<0.001					
Copper	mg/L			<0.001				<0.001				<0.001					
Electrical Conductivity	µS/cm	5942	5610	6150	5940	5790	6090	6220	5520	5920	4929	7912	3584	6470			
Ethyl Benzene	µg/L			<2				<2.0				<2					
Fluoride	mg/L			0.2				0.2				0.2					
Lead	mg/L			<0.001				<0.001				<0.001					
Magnesium	mg/L	224	204	198	186	185	178	178	174	188	176	192	182	180			
Manganese	mg/L			0.053				0.036				0.09					
Mercury	mg/L			<0.0001				<0.0001				<0.0001					
Nitrate + nitrite	mg/L	0.53	22.2	0.03	0.04	0.03	0.1	0.13	0.05	<0.01	0.07	0.04	0.04				
Nitrogen (ammonia)	mg/L	0.06	0.01	0.06	0.1	0.06	0.03	0.05	0.07	0.17	0.09	0.09	0.04	0.058			
pH		7.26	6.99	7.66	6.73	7.82	7.12	7.66	7.8	7.1	7.12	7.15	7.34	6.95			
Phenols	µg/L			<1				<1				<1.0					
Phosphorus	mg/L			<0.01				0.02				<0.01					
Potassium	mg/L	20	18	16	16	16	16	21	15	16	20	16	16	18			
Redox	mV	86.3	23.4	-19	-21.8	-25	-42.4	-69.2	-79.5	-57.6	104.4	-8.5	102.1	45			
Sodium	mg/L	1200	1140	1160	1060	1200	1070	1060	1140	1140	1050	1140	1020	1300			
Standing water level	m AHD	66.17	65.924	66.301	66.31	67.386	66.276	66.338	66.33	66.341	66.351	66.323	66.31	66.13			
Sulphate	mg/L	244	224	230	205	227	205	182	199	220	244	221	237	210			
Toluene	µg/L			<2				<2.0				<2					
Total organic carbon	mg/L			<1				2				2					
Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50					
Xylene	µg/L			<2				-				<2					
Zinc	mg/L			0.017				0.01				0.012					