

Dial A Dump (EC) Pty Ltd
Groundwater Quality Monitoring



Licensee: Dial A Dump (EC) Pty Ltd
 Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek
 EPL Nos. 13426

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BH15s & BH15As		2015		2016				2017				2018				2019			2020				
Pollutant	Units	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L			<50				<50				<50				<50				<50			
*C15 - C28	µg/L			<100				<100				<100				<100				<100			
*C29 - C36	µg/L			<50				<50				<50				<100				<100			
*C6 - C9	µg/L			<20				<20				<20				<10				<10			
*meta & para-Xylene	µg/L			<2				<2.0				<2				<2				<2			
*Naphthalene	µg/L			<5				<1.0				<5				<1				<1			
*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	0.02	0.04	0.008			0.065	0.03		
*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	<0.005	<0.005	<0.005			0.015	0.009		
*ortho-Xylene	µg/L			<2				<2.0				<2				<1				<1			
Alkalinity	mg/L	1250	777	1030	1110	1040	1060	1010	1080	1100	1230	1210	1180	1200	1200	1200	1200			1600	1600		
Aluminium	mg/L			<0.01				<0.01				<0.01				<0.01				0.01			
Arsenic	mg/L			0.002				0.001				<0.001				<0.001				<0.001			
Barium	mg/L			0.056				0.057				0.109				0.057				0.11			
Benzene	µg/L			<1				<1.0				<1				<1				<1			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	mg/L	84	76	81	82	85	88	80	75	98	64	85	71	69	68	69	71			74	71		
Chloride	mg/L	1310	1260	1790	1360	1470	1440	1170	1380	1320	1370	1400	1280	1400	1400	1400	1300			1900	2000		
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Copper	mg/L			<0.001				<0.001				<0.001				0.015				0.004			
Electrical Conductivity	µS/cm	5942	5610	6150	5940	5790	6090	6220	5520	5920	4929	7912	3584	6470	5865	5784	5753			7622	7780		
Ethyl Benzene	µg/L			<2				<2.0				<2				<1				<1			
Fluoride	mg/L			0.2				0.2				0.2				0.2				0.2			
Lead	mg/L			<0.001				<0.001				<0.001				0.001				<0.001			
Magnesium	mg/L	224	204	198	186	185	178	178	174	188	176	192	182	180	180	180	180			240	230		
Manganese	mg/L			0.053				0.036				0.09				0.05				0.14			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
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		0.02	0.04	0.008			0.08	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	0.049	0.056	0.05			1	1		
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	6.79	8	7.84			8.34	7.7		
Phenols	µg/L			<1				<1				<1.0				<50				<0.05			
Phosphorus	mg/L			<0.01				0.02				<0.01				0.2				1.1			
Potassium	mg/L	20	18	16	16	16	16	21	15	16	20	16	16	18	20	18	19			21	20		
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	21.2	-36.1	-35.1			-140.5	-28.6		
Sodium	mg/L	1200	1140	1160	1060	1200	1070	1060	1140	1140	1050	1140	1020	1300	1400	1300	1000			1300	1400		
Standing water level	m AHD	66.17	65.924	66.301	66.31	67.39	66.28	66.338	66.33	66.34	66.351	66.323	66.306	66.13	66.2	66.26	66.18			65.52	65.53		
Sulphate	mg/L	244	224	230	205	227	205	182	199	220	244	221	237	210	190	190	200			150	150		
Toluene	µg/L			<2				<2.0				<2				<1				<1			
Total organic carbon	mg/L			<1				2				2				24				2			
Total Petroleum Hydrocarbons	µg/L			<0.5				<50				<50				<100				<100			
Xylene	µg/L			<2				-				<2				<1				<2			
Zinc	mg/L			0.017				0.01				0.012				0.049				0.021			

WELL DESTROYED