

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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BH12d & BH26d	Pollutant	Units	2015		2016				2017				2018				2019				2020									
			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					240						
*C15 - C28	µg/L				<100				<100					<100					<100					120						
*C29 - C36	µg/L				<50				<50					<50					<100					<100						
*C6 - C9	µg/L				80				40					70					<10					13						
*meta & para-Xylene	µg/L				8				9					20					<2					3						
*Naphthalene	µg/L				<5				<5					<5					<1					<1						
*Nitrate	mg/L				<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.04	0.02	<0.005	0.007	0.31		<0.005							
*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	<0.005	<0.005	0.002	<0.005	<0.005	<0.005		<0.005							
*ortho-Xylene	µg/L				4				4					8					<1					<1						
Alkalinity	mg/L				506	584	753	627	349	554	824	938	948	943	933	930	1000	1000	1000	1000	650		1100							
Aluminium	mg/L									<0.01									<0.01					<0.01						
Arsenic	mg/L									0.002									0.004					0.002						
Barium	mg/L									6.8									20					24						
Benzene	µg/L									10									<1					10						
Cadmium	mg/L									<0.0001									<0.0001					<0.0001						
Calcium	mg/L									8	88	170	184	87	84	180	165	182	223	191	200	210	220	190	220	260	250			
Chloride	mg/L									3290	3610	3450	3230	1340	1930	3490	3190	3320	3410	3160	3000	2900	2900	2600	2500	3200	3100			
Chromium	mg/L										<0.001								<0.001											
Copper	mg/L										<0.001								<0.001											
Electrical Conductivity	µS/cm										9872	11050	10750	10720	9570	10830		7070	5988	4231	10270	10480	9774	9993	9873	10528	9470			
Ethyl Benzene	µg/L										<2								2											
Fluoride	mg/L										0.2								0.2	0.1										
Lead	mg/L										<0.001								<0.001											
Magnesium	mg/L										28	66	77	74	37	33	70	57	70	79	73	74	76	76	72	70	83	82		
Manganese	mg/L										0.122								0.2											
Mercury	mg/L										<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	0.02	0.02	0.04	0.02	0.006	0.007	0.31	<0.005			
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	6.6	6.2	6.9	6.2	5.3	7.5		
pH											10.79	8.25	6.86	8.2	6.95	7.28			6.78	7.11	7.04	7.1	7.25	7.32	8.06	7.03	6.75	6.3		
Phenols	µg/L											1.5																		
Phosphorus	mg/L											<0.01																		
Potassium	mg/L										103	73	78	70	36	30	64	54	83	70	63	69	82	80	73	61	75	63		
Redox	mV										-100.6	-53.7	-28.3	16.2	-31.3	-48.2			-143.1	-112.1	-140.4	-45	-74.3	-136.3	-260.1	-117.2	-13	-37.1		
Sodium	mg/L										2190	2040	2240	2340	1030	928	2050	1550	1850	2110	1890	2500	2600	2600	1900	1500	1800	2100		
Standing water level	m AHD										3.515	19.034	20.578	20.71	23.12	24.576	24.421	24.97	25.44	26.054	26.783	25.77	25.844	25.634	25.034	15.71	16.63	16.63		
Sulphate	mg/L										116	25	<1	2	2	<1	<10	<1	<10	<1	<5	4	2	4	3	13	1	<1		
Toluene	µg/L											22																		
Total organic carbon	mg/L											21																		
Total Petroleum Hydrocarbons	µg/L											80																		
Xylene	µg/L											12																		
Zinc	mg/L											0.009																		

it did not exist