

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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BH4i	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					<20			
	*meta & para-Xylene	µg/L			<2				<2					<2			
	*Naphthalene	µg/L			<5				<5					<5			
	*Nitrate	mg/L	0.02	0.55	29.2	0.04	-	<0.01	<0.01	<0.01	0.01	1.13	0.39	<0.01	<0.005		
	*Nitrite	mg/L	<0.01	0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	2.31	1.01	<0.005		
	*ortho-Xylene	µg/L			<2				<2					<2			
	Alkalinity	mg/L	573	1060	853	538	446	466	512	448	527	209	516	522	520		
	Aluminium	mg/L			<0.01				<0.01					0.01			
	Arsenic	mg/L			<0.001				0.003					0.001			
	Barium	mg/L			0.033				63.5					74.9			
	Benzene	µg/L			<1				2					<1			
	Cadmium	mg/L			<0.0001				<0.0001					<0.0001			
	Calcium	mg/L	350	94	96	362	211	356	341	352	352	16	331	273	220		
	Chloride	mg/L	4980	748	228	6180	3580	5860	6210	6460	5590	55	6100	6520	6200		
	Chromium	mg/L			<0.001				<0.001					0.001			
	Copper	mg/L			0.017				0.002					0.004			
	Electrical Conductivity	µS/cm	15820	15110	5880	17880	5790	18120	19350	17200	17060	17870	25195	6463	18170		
	Ethyl Benzene	µg/L			<2				<2					<2			
	Fluoride	mg/L		0.2	0.4			0.2	0.2					0.2	0.2		
	Lead	mg/L			<0.001				<0.001					<0.001			
	Magnesium	mg/L	178	164	102	191	107	176	178	173	191	11	179	171	180		
	Manganese	mg/L			0.002				0.256					0.23			
	Mercury	mg/L			<0.0001				<0.0001					<0.0001			
	Nitrate + nitrite	mg/L	0.02	0.56	29.2	0.04	75.1	<0.01	<0.01	<0.01	0.01	1.13	2.7	0.15	<0.005		
	Nitrogen (ammonia)	mg/L	8.58	0.02	<0.01	8.26	6.83	5.44	8.98	9.04	9.44	0.01	8.56	9.04	10		
	pH		6.76	6.69	8.19	6.6	8.13	7.15	6.97	7.19	6.92	7.03	7.53	7.21	6.91		
	Phenols	µg/L			<1				<0.05					<1.0			
	Phosphorus	mg/L			<0.01				0.06					0.06			
	Potassium	mg/L	48	9	2	53	27	49	50	50	41	3	46	46	57		
	Redox	mV	-24	-22.3	-83.2	-14.9	-88.8	-42.7	-33.6	-45.8	-48.8	-42.7	-78.4	-78.6	51		
	Sodium	mg/L	3480	1000	598	3790	2110	3500	3470	3460	3670	105	3480	3460	4900		
	Standing water level	m AHD	35.96	35.48	39.401	40.695	40.92	42.447	44.105	45.096	45.593	45.952	47.429	48.461	42.88		
	Sulphate	mg/L	<10	672	771	<10	<1	<1	<1	2	<1	37	<1	8	3		
	Toluene	µg/L			<2				<2					<2			
	Total organic carbon	mg/L			31				4					2			
	Total Petroleum Hydrocarbons	µg/L							<50					100			
	Xylene	µg/L			<2				<2					<2			
	Zinc	mg/L			0.014				0.042					0.045			