

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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BH14s	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					160				
*C15 - C28	µg/L				<100					<100					<100					160					180				
*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					<2					<2					<2				
*Naphthalene	µg/L				<5					<5					<5					<1					<1				
*Nitrate	mg/L	0.01	0.01	-	0.03	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.05	2.72	0.04	<0.005	0.01	<0.005	0.02	0.02	0.007	0.03	0.01	0.05						
*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
*ortho-Xylene	µg/L				<2					<2					<0.001				<1					<1					
Alkalinity	mg/L	690	857	882	997	825	884	992	940	846	965	958	950	950	1000	1000	1000	990	1100	990	1100	1100							
Aluminium	mg/L				0.01					<0.01					0.04				<0.01					0.03					
Arsenic	mg/L				0.012					0.008					0.004				0.003					0.002					
Barium	mg/L				2.35					2.54					2.23				2.2					2.4					
Benzene	µg/L				<1					<1					<1				<1					<1					
Cadmium	mg/L				<0.0001					<0.0001					<0.0001				<0.0001					<0.0001					
Calcium	mg/L	270	14	21	21	19	23	20	13	13	7	18	16	13	12	13	12	13	15	18	16	15	16	18	16	15	16	16	
Chloride	mg/L	3710	310	422	428	386	366	372	400	384	375	389	390	360	340	350	340	320	390	430	420	470	380						
Chromium	mg/L				<0.001					<0.001					<0.001				<0.001					<0.001					
Copper	mg/L				<0.001					<0.001					<0.001				0.019					0.002					
Electrical Conductivity	µS/cm	16506	9895	2720	2470	1960	2700	2710	2470	2490	2517	3610	1567	3090	2508	2449	2159	2650	2606	2821	2653	2725	3005						
Ethyl Benzene	µg/L				<2					<2					<2				<1					<1					
Fluoride	mg/L				0.4					0.3					0.4	0.2			0.3					0.3					
Lead	mg/L				<0.001					<0.001					<0.001				0.002					<0.001					
Magnesium	mg/L	135	16	18	18	17	17	16	16	14	11	14	16	16	16	17	16	15	19	18	18	18	19						
Manganese	mg/L				0.039					0.028					0.024				0.036					0.027					
Mercury	mg/L				<0.0001					<0.0001					<0.0001				<0.00005					<0.00005					
Nitrate + nitrite	mg/L	0.01	0.01	<0.01	0.03	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	0.05	2.74	0.04	<0.005	0.01	<0.005	0.02	0.02	0.008	0.04	0.02	0.05						
Nitrogen (ammonia)	mg/L	1.04	0.74	1.2	1.32	1.44	1.33	1.41	1.5	1.31	1.36	1.31	1.19	0.93	1.4	1.1	1.6	1.7	1.6	1.7	1.7	2	1.7						
pH		5.73	7.03	8.04	7.59	8.01	7.68	7.73	8.22	7.62	7.68	8.43	7.77	7.64	7.1	7.6	7.98	7.52	7.63	7.6	7.35	7.6	7.53						
Phenols	µg/L				<1					<0.05					<1.0				<50					<0.05					
Phosphorus	mg/L				0.02					0.28					0.01				2.4					0.1					
Potassium	mg/L	36	10	11	10	10	11	11	11	9	11	9	10	13	12	13	12	13	10	11	11	12	12						
Redox	mV	55.5	22.1	-40.8	65.9	-35.8	-74.5	-77.1	-104	-89.5	-104.1	-129.5	-99.3	-82	-109.7	-126.5	-102.2	-134.9	-159	-112.1	-151.4	-156.1	-102.9						
Sodium	mg/L	2580	642	659	643	684	615	651	674	554	555	579	572	750	790	890	670	600	670	570	670	700	600						
Standing water level	m AHD	51.31	51.076	51.841	51.903	52.39	51.94	51.884	51.929	51.94	51.948	51.864	51.883	51.45	51.85	51.31	51.52	51.61	51.57	50.66	51.71	51.66	51.56						
Sulphate	mg/L	<1	<1		2	2	13	8		6	10	9		11	15	10		6	4	6	5	3	7	4	2				
Toluene	µg/L				<2					<2					<2				<1					<1					
Total organic carbon	mg/L				2					7					4				6					4					
Total Petroleum Hydrocarbons	µg/L				<0.5					<50					<50				160					340					
Xylene	µg/L				<2					<2					<2				<1					<2					
Zinc	mg/L				<0.005					0.006					0.006				0.033					0.024					