

**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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BH13i	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						54				
*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				<2					<1						<1				
*Naphthalene	µg/L			<5						<5				<5					<1						<1				
*Nitrate	mg/L	0.03	0.27	0.4	0.19	-	<0.01	0.08	0.27	0.3	0.18	0.14	0.18	0.34	0.3	0.47	0.41	0.32	0.39	0.39	0.44	0.68	0.7	0.39	0.44	0.68	0.7		
*Nitrite	mg/L	<0.01	0.52	0.62	0.42	-	0.29	0.25	0.22	0.16	0.12	0.11	0.1	0.11	0.17	0.21	0.22	0.24	0.26	0.24	0.19	0.3	0.42	0.24	0.19	0.3	0.42		
*ortho-Xylene	µg/L			<2				<2				<2			<1				<1					<1					
Alkalinity	mg/L	1780	413	480	622	1030	588	665		543		588	537	540	650	600	530	520	510	500	450	350	370	500	450	350	370		
Aluminium	mg/L			0.05				0.06				0.08			0.24				0.33					0.33					
Arsenic	mg/L			<0.001				0.001				<0.001			<0.001				<0.001					<0.001					
Barium	mg/L			0.912				0.961				0.983			0.85				0.84					0.84					
Benzene	µg/L			2				2				2			<1				<1					<1					
Cadmium	mg/L			<0.0001				<0.0001				<0.0001			<0.0001				<0.0001					<0.0001					
Calcium	mg/L	565	256	308	379	348	386	416	368	341	278	322	376	310	390	390	340	340	370	320	360	280	340	320	360	280	340		
Chloride	mg/L	4580	1130	1110	1010	1260	1140	1150	1020	1130	1130	1150	1090	1200	1200	1100	1100	1000	6600	1300	1200	1200	1200	1300	1200	1200	1200		
Chromium	mg/L			0.002				0.004				0.002			0.003				0.003					0.003					
Copper	mg/L			0.002				0.01				0.001			0.022				0.015					0.015					
Electrical Conductivity	µS/cm	13112	4375	6160	6020	5710	6900	6340	6040	5940	5408	6426	4036	4010	6132	5700	5243	5535	5810	5969	5608	4685	5235	5969	5608	4685	5235		
Ethyl Benzene	µg/L			<2				<2				<2			<1				<1					<1					
Fluoride	mg/L			6.3			0.3	0.3				0.3	0.3		0.3				0.2					0.2					
Lead	mg/L			0.008				0.013				0.003			0.01				0.006					0.006					
Magnesium	mg/L	192	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Manganese	mg/L			<0.001				<0.001				<0.001			<0.005				<0.005					<0.005					
Mercury	mg/L			<0.0001				<0.0001				<0.0001			<0.00005				<0.00005					<0.00005					
Nitrate + nitrite	mg/L	0.03	0.79	1.02	0.61	0.15	0.27	0.33	0.49	0.46	0.3	0.25	0.28	0.45	0.47	0.68	0.63	0.56	0.65	0.63	0.62	0.98	1.1	0.63	0.62	0.98	1.1		
Nitrogen (ammonia)	mg/L	8.83	5.39	9.01	8.41	3.51	5.75	9.28	8.91	8.24	8.74	8.46	8.8	2.3	5.5	5.7	7.5	5.2	7.4	6.9	4.3	8.4	7.1	6.9	4.3	8.4	7.1		
pH		6.02	11.74	12.36	11.68	12.01	11.73	12.05	11.94	11.59	11.05	12.11	11.93	12.06	11.87	11.9	11.64	11.79	11.69	11.91	11.89	11.84	11.9	11.91	11.89	11.84	11.9		
Phenols	µg/L			<1				<0.05				<1.0			<50				<0.05					<0.05					
Phosphorus	mg/L			<0.01				0.09				<0.01			0.2				<0.05					<0.05					
Potassium	mg/L	81	26	21	24	21	23	23	20	20	26	22	21	25	26	25	23	19	20	22	20	19	19	22	20	19	19		
Redox	mV	28.9	-63.1	-294.9	-309	-317	-317.6	-331.4	-319	-325	-96.2	-104.2	-76	-91	-5.4	-63.9	-16.8	-74.9	-116.8	-85.6	-93.9	-127	1.1	-85.6	-93.9	-127	1.1		
Sodium	mg/L	3710	704	615	673	648	665	665	638	617	654	610	593	780	870	900	640	610	580	660	670	600	580	660	670	600	580		
Standing water level	m AHD	60.37	60.425	62.977	62.425	63.75	62.37	61.023	61.534	61.59	61.37	61.227	61.152	59.15	58.33	57.09	56.11	55.89	55.95	55.59	56.19	56.14	56.24	55.59	56.19	56.14	56.24		
Sulphate	mg/L	<10	10	8	6	6	5	2	6	6	7	5	7	8	9	12	8	11	<1	9	7	8	8	9	7	8	8		
Toluene	µg/L			<2				<2				<2			<1				<1					<1					
Total organic carbon	mg/L			5				19				6			12				10					10					
Total Petroleum Hydrocarbons	µg/L			20				<50				<50			<100				54					54					
Xylene	µg/L			<2				<2				<2			<1				<2					<2					
Zinc	mg/L			0.006				0.025				<0.005			0.086				0.022					0.022					