

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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BH8s	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					<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					15				
*meta & para-Xylene	µg/L				<2				<2					<2					<1					3				
*Naphthalene	µg/L				<5				<5					<5					<1					<1				
*Nitrate	mg/L		<0.01	-	0.06	6.72	-	2.78	3.19	1.64	1.44	0.32	0.21	2.1	5.8	4.5	3.8	4.9	4.6	7.4	7.6	5.4	3.8					
*Nitrite	mg/L		<0.01	-	<0.01	<0.01	-	<0.01	0.01	0.03	<0.01	<0.01	<0.01	0.012	<0.005	0.013	0.006	<0.005	<0.005	0.015	0.007	0.006	<0.005					
*ortho-Xylene	µg/L				<2				<2					<2					<1					2				
Alkalinity	mg/L		932	1210	434	1090	1260	1330	1220	1150	1400	1310	1310	1300	1300	1300	1300	1300	1300	1200	1300	1300	1300	1300	1200	1300	1300	1300
Aluminium	mg/L				<0.01			<0.01				<0.01				<0.01				<0.01				<0.01				
Arsenic	mg/L				<0.001			<0.001				<0.001				<0.001				<0.001				<0.001				
Barium	mg/L				0.077			0.047				0.125				0.053				0.061								
Benzene	µg/L				<1			<1				<1			<1				<1				<1					
Cadmium	mg/L				<0.0001			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001				
Calcium	mg/L		82	99	458	102	110	96	93	118	70	99	82	71	82	73	66	71	78	71	71	71	80					
Chloride	mg/L		2530	2910	6150	2720	2910	2810	2800	2650	2780	2710	2650	2500	2700	2500	2300	2400	2800	2800	2600	2600	2500					
Chromium	mg/L				<0.001			<0.001				<0.001				<0.001				<0.001				<0.001				
Copper	mg/L				<0.001			<0.001				<0.001				0.023				0.021								
Electrical Conductivity	µS/cm		8982	10440	9640	11020	9700	10040	9570	9480	7377	12038	4837	10400	9943	9489	9363	9203	9742	9568	9995	8011	10663					
Ethyl Benzene	µg/L				<2			<2				<2				<1				1								
Fluoride	mg/L				0.2			0.2				0.1	0.1			0.1				0.1								
Lead	mg/L				<0.001			<0.001				<0.001				0.002				0.001								
Magnesium	mg/L		189	202	159	214	203	199	203	185	195	217	194	190	210	200	180	190	210	200	190	190	200					
Manganese	mg/L				0.034			0.041				0.405				0.15				0.066								
Mercury	mg/L				<0.0001			<0.0001				<0.0001				<0.00005				<0.00005								
Nitrate + nitrite	mg/L		<0.01	10.6	0.06	6.72	5.03	2.78	3.2	1.67	1.44	0.32	0.21	2.112	5.8	4.513	3.806	4.9	4.6	7.415	7.6	5.4	3.8					
Nitrogen (ammonia)	mg/L		<0.01	0.1	9.95	0.04	0.03	0.06	0.31	0.19	0.06	0.24	0.26	0.27	0.14	0.33	0.47	0.34	0.4	0.21	0.18	0.066	0.28					
pH			6.95	7.65	6.85	7.53	7.1	6.94	7.57	7.12	6.86	7.26	7.26	6.91	6.85	8	7.95	7.2	7.23	6.93	7.4	7.19	7.03					
Phenols	µg/L				<1			<1				<1				<50				<0.05								
Phosphorus	mg/L				<0.01			<0.01				<0.01				0.5				0.1								
Potassium	mg/L		19	19	39	18	19	18	18	16	24	18	17	21	24	21	21	18	19	21	19	20	18					
Redox	mV		27.6	-17.6	-28.4	-20.1	-39.2	-32.1	-68.7	-58.8	86.5	-19	147	-44	27.4	-768	66.7	99.3	-44.4	-5.7	63.9	123.9	101.5					
Sodium	mg/L		1900	1980	3350	2190	2050	1940	2000	1960	1830	2100	1840	2500	4700	2600	2000	2100	1900	1900	1900	1800	2100					
Standing water level	m AHD		64.683	65.927	66.236	66.42	66.99	67.093	66.919	67.31	67.568	67.685	67.638	67.48	67.915	67.695	67.615	67.35	67.74	66.93	67.12	67.04	67.56					
Sulphate	mg/L		447	475	<1	426	388	381	355	397	410	363	374	350	360	360	350	350	410	400	370	360	340					
Toluene	µg/L				<2			<2				<2				<1				9								
Total organic carbon	mg/L				<1			1				4				21				17								
Total Petroleum Hydrocarbons	µg/L				<50			<50				<50				<100				15								
Xylene	µg/L				<2			<2				<2				<1				5								
Zinc	mg/L				0.013			0.011				0.008				0.048				0.12								

insufficient water to sample