

**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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BH3d	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								1200				
	*C15 - C28	µg/L			<100			<100				<100				<100								270				
	*C29 - C36	µg/L			<50			<50				<50				<50								350				
	*C6 - C9	µg/L			<20			<20				<20				<20								<10				
	*meta & para-Xylene	µg/L			<2			<2				<2				<2								<2				
	*ortho-Xylene	µg/L														<1								<1				
	*Naphthalene	µg/L			<5			<5				<5				0.1								<0.005				
	*Nitrate	mg/L	<0.01	<0.01	-	0.06	6.72	-	0.06	0.34	0.03	0.34	<0.01	<0.01		0.097	<0.005	0.04	<0.005					<0.005	<0.005	<0.005	0.02	
	*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	0.05	0.02	0.01		0.075	<1	0.044	<0.005					<1	<0.005	<0.005	<0.005	
	Alkalinity	mg/L	584	389	1210	434	1090	1260	513	44	155	56	50	747		200	340	170	230					55	<5	37	66	
	Aluminium	mg/L			<0.01			<0.01				<0.01				<0.01								0.02				
	Arsenic	mg/L			<0.001			<0.01				<0.001				<0.001								<0.001				
	Barium	mg/L			0.077			14.3				0.024				0.63								0.32				
	Benzene	µg/L			<1			<1				<1				<1								<1				
	Cadmium	mg/L			<0.0001			<0.0001				0.0002				<0.0001								<0.0001				
	Calcium	mg/L	400	8	99	458	102	110	216	16	9	11	16	316		190	190	150	170					140	190	180	200	
	Chloride	mg/L	5400	134	2910	6150	2720	2910	2790	28	46	35	26	5720		1100	820	960	850					1200	1100	1200	1100	
	Chromium	mg/L			<0.001			<0.001				<0.001				0.004								<0.001				
	Copper	mg/L			<0.001			0.01				3.95				0.002								0.001				
	Electrical Conductivity	µS/cm	16660	15740	10440	9640	11020	9700	8400	8495	8449	8429	8455	8444		1010	3800	1665	3457					3289	3640	1523	3506	
	Ethyl Benzene	µg/L			<2			<2				<2				<1								<1				
	Fluoride	mg/L			0.2			0.2				1	0.2			0.1								<0.1				
	Lead	mg/L			<0.001			<0.001				0.026				<0.001								<0.001				
	Magnesium	mg/L	188	3	202	159	214	203	234	6	2	6	6	139		1.2	1.2	1	1					3	<0.5	<0.5	<0.5	
	Manganese	mg/L			0.034			0.063				0.001				0.039								<0.005				
	Mercury	mg/L			<0.0001			<0.0001				<0.0001				<0.00005								<0.00005				
	Nitrate + nitrite	mg/L	<0.01	<0.01	10.6	0.06	6.72	5.03	0.06	0.34	0.03	0.39	0.01	<0.01		0.172	0.1	0.084	<0.005					<0.005	<0.005	<0.005	0.01	
	Nitrogen (ammonia)	mg/L	7.27	0.5	0.1	9.95	0.04	0.03	3.47	0.04	0.02	0.12	0.04	8.2		2.8	3.2	2.6	2.8					2.6	2.8	2.8	0.01	
	pH		6.98	6.98	7.65	6.85	7.53	7.1	7.01	8.44	8.49	8.45	8.47	8.49		7.66	7	7.69	7.48					8.62	10.18	8.78	8.47	
	Phenols	µg/L			<10			<0.05				<1.0				<50								<0.05				
	Phosphorus	mg/L			<0.01			0.1				<0.01				<0.05								0.2				
	Potassium	mg/L	48	13	19	39	18	19	26	2	3	2	3	43		15	15	13	13					12	14	13	14	
	Redox	mV	23	21.1	-17.6	-28.4	-20.1	-39.1	-29.8	-23.1	-19.3	-20.7	-21.3	-20.4		-84.2	150	49.8	-120.7					-183.8	-183.7	-194.4	-128.2	
	Sodium	mg/L	3470	245	1980	3350	2190	2050	1680	18	109	671	22	3040		560	700	580	520					540	640	560	560	
	Standing water level	m AHD	5.19	3.399	29.355	15.047	29.83	15.93	19.627	20.873	24.1	25.779	27.609	29.663		34.14	33.125	33.965	33.545					nt	40.6	41.78	44.23	
	Sulphate	mg/L	<1	30	475	<1	426	388	9	11	30	15	10	<1		3	2	4	3					1	26	26	1	
	Toluene	µg/L			<2			<2				<2				<1								<1				
	Total organic carbon	mg/L			<1			4				4				4								35				
	Total Petroleum Hydrocarbons	µg/L			<0.5			<50				<50				<100								1820				
	Xylene	µg/L			<2			<2				<2				<1								<2				
	Zinc	mg/L			0.013			0.02				1.66				0.02								0.007				

WELL DAMAGED

NOT TESTED