

**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		
Alkalinity (total) as CaCO3	mg/L	1,780	413	480	622	1,030	588	665	572	618	543	588	537	540	650	600	530	520	510	500	450	350	370			
Aluminium (filtered)	mg/L			0.05				0.06				0.08				0.24				0.33						
Arsenic (filtered)	mg/L			<0.001				0.001				<0.001				<0.001				<0.001						
Barium (filtered)	mg/L			0.912				0.961				0.983				0.85				0.84						
Benzene	µg/L			2				2				2				<1				<1						
Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001						
Calcium (filtered)	mg/L	565	256	308	379	348	386	416	368	341	278	322	376	310	390	390	340	340	370	320	360	280	340			
Chloride	mg/L	4,580	1,130	1,110	1,010	1,260	1,140	1,150	1,020	1,130	1,130	1,150	1,090	1,200	1,200	1,100	1,100	1,000	1,200	1,300	1,200	1,200	1,200			
Chromium (III-VI) (filtered)	mg/L			0.002				0.004				0.002				0.003				0.003						
Copper (filtered)	mg/L			0.002				0.01				0.001				0.022				0.015						
EC (field)	µS/cm	13,112	4,375	6,160	6,020	5,710	6,900	6,340	6,040	5,940	5,408	6,426	4,036	4,010	6,132	5,700	5,243	5,535	5,810	5,969	5,608	4,685	5,235			
Ethylbenzene	µg/L			<2				<2				<2				<1				<1						
Fluoride	mg/L			0.3			0.3	0.3		0.4	0.3	0.3	0.3			0.3			0.2							
Lead (filtered)	mg/L			0.008				0.013				0.003				0.01				0.006						
Magnesium (filtered)	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				
Manganese (filtered)	mg/L			<0.001				<0.001				<0.001				<0.005				<0.005						
Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005						
Nitrogen (Total Oxidised)	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			
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			
pH (Field)		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	11.67	11.64	11.79	11.69	11.91	11.84	11.84	11.90			
Phenolics Total	µg/L							<0.05				<0.01				<0.05				<50						
Phosphorus	mg/L			<0.01				0.09				<0.01				0.2				<0.05						
Potassium (filtered)	mg/L	81	26	21	24	21	23	23	20	20	26	22	21	25	26	25	23	19	20	22	20	19	19			
Redox Potential (Field)	mV	28.9	-63.1	-294.9	-309	-317	-317.6	-331.4	-319	-324.6	-96.2	-104.2	-76	-91	-5.4	-63.9	-16.8	-74.9	-116.8	-85.6	-93.9	-127.0	1.1			
Sodium (filtered)	mg/L	3,710	704	615	673	648	665	665	638	617	654	610	593	780	870	900	640	610	580	660	670	600	580			
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			
Toluene	µg/L			<2				<2				<2				<1				<1						
TOC	mg/L			5				19				6				12				10						
Xylene Total	µg/L			<2				<2				<2														
Xylene (m & p)	µg/L			<2				<2				<2								<2						
Xylene (o)	µg/L															<1				<1						
Zinc (filtered)	mg/L			0.006				0.025				<0.005				0.086				0.022						
C10-C14	µg/L			<50				<50				<50				<50				54						
C10-C16	mg/L			<0.1				<0.1				<0.1				0.084				0.051						
C15-C28	µg/L			<100				<100				<100				<100				<100						
C16-C34	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1						
C29-C36	µg/L			<50				<50				<50				<100				<100						
C34-C40	mg/L			<0.1				<0.1				<0.1				<0.1				<0.1						
C6-C10	mg/L			0.03				0.02				<0.02				<0.01				<0.01						
C6-C9	µg/L			20				20				<20				<10				<10						
F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				0.084				0.051						
C10-C40 (Sum of total)	µg/L			<100				<100				<100				84										
+C10-C36 (Sum of total)	µg/L			<50				<50				<50				<50										

