

**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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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	506	584	753	627	349		554	824	938	948	943	933	930	1,000	1,000	1,000	1,000	650	1,100	1,100	1,100	1,100
Aluminium (filtered)	mg/L		0.02					<0.01				<0.01				<0.01				<0.01			
Arsenic (filtered)	mg/L		0.002					0.002				0.002				0.004				0.002			
Barium (filtered)	mg/L		6.8					7.29				25.1				20				24			
Benzene	µg/L		10					8				14				<1				10			
Cadmium (filtered)	mg/L		<0.0001					<0.0001				<0.0001				<0.0001				<0.0001			
Calcium (filtered)	mg/L	8	88	170	184	87		84	180	165	182	223	191	200	210	220	190	220	260	250	250	210	250
Chloride	mg/L	3,290	3,610	3,450	3,230	1,340		1,930	3,490	3,190	3,320	3,410	3,160	3,000	2,900	2,900	2,600	2,500	3,200	3,100	2,700	2,900	2,900
Chromium (III+VI) (filtered)	mg/L		<0.001					<0.001				<0.001				<0.001				<0.001			
Copper (filtered)	mg/L		<0.001					<0.001				<0.001				0.019				0.002			
EC (field)	µS/cm	9,872	11,050	10,750	10,720	9,570		10,830	9,620	9,700	7,070	5,988	4,231	10,270	10,480	9,774	9,993	9,873	10,528	9,470	9,753	9,448	9,956
Ethylbenzene	µg/L		<2					<2				2				<1				<1			
Fluoride	mg/L		0.2			0.1		0.2		<0.1	0.2	0.2	0.1			0.1				0.1			
Lead (filtered)	mg/L		<0.001					<0.001				<0.001				<0.001				<0.001			
Magnesium (filtered)	mg/L	28	66	77	74	37		33	70	57	70	79	73	74	76	76	72	70	83	82	78	66	82
Manganese (filtered)	mg/L		0.122					0.124				0.2				0.16				0.18			
Mercury (filtered)	mg/L		<0.0001					<0.0001				<0.0001				<0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L	<0.01	<0.01	0.05	0.09	<0.01		<0.01	0.04	<0.01	<0.01	<0.01	0.02	0.02	0.04	0.02	0.006	0.007	0.3	<0.005	<0.005	<0.005	0.01
Ammonia	mg/L	15.5	10.7	8.82	8.54	4.18		8.64	8.2	7.67	8.27	7.93	8.02	8	6.6	6.2	6.9	6.2	5.3	7.5	7.9	6.2	7.0
pH (Field)	-	10.79	8.25	6.86	8.2	6.95		7.28	7.14	6.82	6.78	7.11	7.04	7.1	7.25	7.32	8.06	7.03	6.75	6.3	6.58	6.80	6.90
Phenolics Total	µg/L															<0.05				<0.05			
Phosphorus	mg/L		<0.01					<0.01				0.1				<0.05				<0.05			
Potassium (filtered)	mg/L	103	73	78	70	36		30	64	54	83	70	63	69	82	80	73	61	75	63	74	65	62
Redox Potential (Field)	mV	-100.6	-53.7	-28.3	16.2	-31.3		-48.2	-43.2	-42.5	-143.1	-112.1	-140.4	-45	-74.3	-136.3	-260.1	-117.2	-13	-37.1	-109.9	-37.3	-56.9
Sodium (filtered)	mg/L	2,190	2,040	2,240	2,340	1,030		928	2,050	1,550	1,850	2,110	1,890	2,500	2,600	2,600	1,900	1,500	1,800	2,100	2,100	1,900	1,700
Sulphate	mg/L	116	25	<1	2	2		<1	<10	<1	<10	<1	<5	4	2	4	3	13	1	<1	1	<1	<1
Toluene	µg/L		22					<2				<2				<1				<1			
TOC	mg/L		21					5				18				28				37			
Xylene Total	µg/L		12					13				28											
Xylene (m & p)	µg/L		8					9				20				<2				3			
Zinc (filtered)	mg/L		0.009					<0.005				0.009				0.081				0.19			
C10-C14	µg/L		<50					<50				<50				<50				240			
C10-C16	mg/L		<0.1					<0.1				<0.1				<0.05				0.24			
C15-C28	µg/L		<100					<100				<100				<100				120			
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		0.08					0.04				0.07				<0.01				0.013			
C6-C9	µg/L		80					40				70				<10				13			
F2 minus Naphthalene	mg/L		<0.1					<0.1				<0.1				<0.05				0.24			
C10-C40 (Sum of total)	µg/L		<100					<100				<100				<100				<100			
+C10-C36 (Sum of total)	µg/L		<50					<50				<50				<50				<50			

