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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BH17d		2015		2016				2017				2018				2019				2020			
Pollutant	Units	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	1,740	1,480	49	2,140	831	1,310	1,440	1,490	1,650	1,500	1,850	1,970	2,000	1,400	2,200	2,050	5,100	1,900	2,000	1,900	2,200	1,200
Aluminium (filtered)	mg/L			0.01				0.24				0.24				0.39				0.19			
Arsenic (filtered)	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
Barium (filtered)	mg/L			0.025				0.549				0.795				0.95				1.2			
Benzene	µg/L			<1				29				26				21				28			
Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium (filtered)	mg/L	70	23	18	227	<1	26	53	<1	100	166	222	204	260	300	360	270	210	260	270	280	270	72
Chloride	mg/L	215	251	33	200	145	282	286	293	270	316	297	339	280	250	230	280	220	320	320	280	260	200
Chromium (III+VI) (filtered)	mg/L			<0.001				0.001				0.029				0.046				<0.001			
Copper (filtered)	mg/L			0.045				0.005				0.009				0.02				0.007			
EC (field)	uS/cm	6,961	7,781	7,530	8,740	5,970	6,370	7,010	7,100	7,890	4,832	12,028	7,807	9,060	8,452	8,591	8,199	7,125	8,019	8,715	8,670	8,014	8,184
Ethylbenzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			1.1				0.3		0.2	0.2	0.2	0.2			0.1				0.2			
Lead (filtered)	mg/L			<0.001				<0.001				0.002				0.005				0.003			
Magnesium (filtered)	mg/L	<1	<1	6	<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	39
Manganese (filtered)	mg/L			0.002				<0.001				<0.001				<0.005				<0.005			
Mercury (filtered)	mg/L			<0.0001								<0.0001				<0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L	0.02	<0.01	0.43	0.09	0.03	0.02	0.09	0.04	0.1	0.09	0.08	0.07	0.192	0.196	0.181	0.116	0.072	0.07	0.66	0.04	0.03	0.04
Ammonia	mg/L	35	41.7	0.01	25.9	14.6	32.9	32.7	31.3	29.5	30.9	30.1	29.6	15	17	13	22	17	27	22	22	15	14
pH (Field)	-	13	11.55	11.14	12.24	12.06	12.22	12.02	12.5	12.11	11.48	12.5	12.5	12.43	12.19	12.19	12.41	12.24	12.01	12.65	12.32	12.32	12.48
Phenolics Total	µg/L							<0.05								<0.05				<50			
Phosphorus	mg/L			<0.01			0.06	0.07				<0.01				<0.05				<0.05			
Potassium (filtered)	mg/L	38	30	3	30	15	32	26	26	22	27	23	20	26	27	24	30	21	26	22	25	24	25
Redox Potential (Field)	mV	-276.5	-263.4	-193.2	-341.2	-334	-340.6	-331.8	-355.4	-354.1	-126.1	-121.7	-106.3	-87	-30.9	-124.5	-218.9	-109.2	-265.2	-175.7	-158.9	-89.7	-276.7
Sodium (filtered)	mg/L	780	755	18	758	405	762	778	778	761	813	722	646	860	920	870	760	620	730	760	800	990	470
Sulphate	mg/L	<1	<1	10	<1	5	11	6	26	<1	16	14	20	24	16	12	11	8	9	9	8	10	280
Toluene	µg/L			<2				28				21				20				13			
TOC	mg/L			4				12				3				6				10			
Xylene Total	µg/L			<2				9				7											
Xylene (m & p)	µg/L			<2				6				5				6				<2			
Zinc (filtered)	mg/L			0.011				<0.005				0.012				0.06				0.13			
C10-C14	µg/L			<50				<50				<50				<50				250			
C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				0.23			
C15-C28	µg/L			<100				<100				<100				<100				180			
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			0.02				0.11				0.07				0.098				0.025			
C6-C9	µg/L			20				110				70				92				30			
F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1								0.23			
C10-C40 (Sum of total)	µg/L			<100				<100				<100				<100							
+C10-C36 (Sum of total)	µg/L			<50				<50				<50				<50							

BH17d		2021				2022				2023				2024				2025			
Pollutant	Units	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	990	650	1000																	
Aluminium (filtered)	mg/L	0.03																			
Arsenic (filtered)	mg/L	0.004																			
Barium (filtered)	mg/L	0.05																			
Benzene	µg/L	<10																			
Cadmium (filtered)	mg/L	<0.0001																			
Calcium (filtered)	mg/L	170	44	120																	
Chloride	mg/L	140	160	140																	
Chromium (III+VI) (filtered)	mg/L	0.037																			
Copper (filtered)	mg/L	0.001																			
EC (field)	uS/cm	3,415	2,979	3225																	
Ethylbenzene	µg/L	<10																			
Fluoride	mg/L	0.4																			
Lead (filtered)	mg/L	<0.001																			
Magnesium (filtered)	mg/L	120	110	120																	
Manganese (filtered)	mg/L	0.07																			
Mercury (filtered)	mg/L	<0.00005																			
Nitrogen (Total Oxidised)	mg/L	0.08																			
Ammonia	mg/L	28	31	45																	
pH (Field)	-	7.37	7.85	6.62																	
Phenolics Total	µg/L	<50																			
Phosphorus	mg/L	0.1																			
Potassium (filtered)	mg/L	37	38	45																	
Redox Potential (Field)	mV	-369.7	-260.1	-145.2																	
Sodium (filtered)	mg/L	390	430	430																	
Sulphate	mg/L	770	700	490																	
Toluene	µg/L	<10																			
TOC	mg/L	96																			
Xylene Total	µg/L																				
Xylene (m & p)	µg/L	<20																			
Zinc (filtered)	mg/L	0.005																			
TPH																					
C10-C14	µg/L	390																			
C10-C16	mg/L	0.5																			
C15-C28	µg/L	940																			
C16-C34	mg/L	0.83																			
C29-C36	µg/L	<100																			
C34-C40	mg/L	<0.1																			
C6-C10	mg/L	<0.1																			
C6-C9	µg/L	<100																			
F2 minus Naphthalene	mg/L	0.5																			
C10-C40 (Sum of total)	µg/L																				
+C10-C36 (Sum of total)	µg/L																				