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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BH18d		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	465	134	652	49	679	293	468	46	153	47	459	533	540	550	570	920	840	810	850	870	820	770
Aluminium (filtered)	mg/L			<0.01				<0.01				<0.01				<0.01				0.01			
Arsenic (filtered)	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
Barium (filtered)	mg/L			26				15.1				5.9				2.3				1.8			
Benzene	µg/L			1				<1				<1				<1				<1			
Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium (filtered)	mg/L	404	76	259	18	142	6	235	17	10	13	136	92	76	150	91	310	140	160	170	180	170	190
Chloride	mg/L	5,330	58	3,880	30	3,460	89	3,570	29	47	29	3,520	3,720	3,200	3,500	3,400	3,200	2,600	3,400	3,500	3,200	3,400	3,600
Chromium (III+VI) (filtered)	mg/L			<0.001				<0.001				<0.001				<0.001				0.004			
Copper (filtered)	mg/L			<0.001				<0.001				0.009				0.03				0.006			
EC (field)	uS/cm	15,820	15,800	11,590	15,850	11,800	12,050	11,180	12,720	11,983	11,961	16,706	6,853	11,010	11,125	5,418	10,929	10,311	10,322	51.26	10,890	9,866	11,424
Ethylbenzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			0.2				0.2		1.3	1	0.3	0.4			0.3				0.4			
Lead (filtered)	mg/L			<0.001				<0.001				<0.001				0.003				<0.001			
Magnesium (filtered)	mg/L	200	11	109	5	15	2	107	6	2	4	30	18	19	26	26	80	19	21	22	24	25	29
Manganese (filtered)	mg/L			0.021				0.048				0.039				<0.005				0.17			
Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001				0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L	<0.01	2.06	0.02	0.59	4.2	0.05	<0.01	0.4	0.08	0.21	<0.01	0.03	0.051		0.007	<0.005	<0.005	0.2	0.007	<0.005	<0.005	<0.005
Ammonia	mg/L	7.26	0.06	5.71	<0.01	7.55	1.4	4.77	0.03	0.04	0.04	1.58	9.28	22	13	13	8.2	14	14	15	16	15	15
pH (Field)	-	6.03	6.01	7.6	6.01	7.75	7.51	6.94	7.05	7.17	7.07	8.1	7.76	7.7	7.43	7.73	7.11	7.28	7.35	5.78	6.67	6.84	7.16
Phenolics Total	µg/L											<50				<50				<50			
Phosphorus	mg/L			<0.01				0.04				<0.01				<0.05				0.1			
Potassium (filtered)	mg/L	48	3	68	2	106	9	74	2	4	2	127	131	140	370	150	98	130	130	140	140	120	120
Redox Potential (Field)	mV	98.7	100.3	-14	-38.7	-19.4	-24.7	-30.2	-28.25	-27.72	-28.7	-1	124.6	-9	49.3	8.6	-122	-157.9	-166.5	-49.3	-140.2	-264.0	69.3
Sodium (filtered)	mg/L	3,640	72	2,010	16	1,800	209	2,040	19	117	18	2,290	2,140	2,700	5,300	2,900	2,100	1,800	2,000	2,200	2,400	2,100	1,800
Sulphate	mg/L	<10	182	<1	9	37	17	6	11	30	10	65	16	110	26	15	<1	23	25	18	7	<1	6
Toluene	µg/L			<2				<2				<2				<1				<1			
TOC	mg/L			<1				16				22				31				35			
Xylene Total	µg/L			<2				<2				<2											
Xylene (m & p)	µg/L			<2				<2				<2				<2				<2			
Zinc (filtered)	mg/L			0.012				0.016				0.032				0.041				16			
C10-C14	µg/L			<50				<50				<50				<50				54			
C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				0.08			
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			<0.02				<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				<0.05				0.08			
C10-C40 (Sum of total)	µg/L			<100				<100				<100											
+C10-C36 (Sum of total)	µg/L			<50				<50				<50											

BH18d		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	820	820	830																	
Aluminium (filtered)	mg/L	0.01																			
Arsenic (filtered)	mg/L	<0.001																			
Barium (filtered)	mg/L	8.3																			
Benzene	µg/L	<1																			
Cadmium (filtered)	mg/L	<0.0001																			
Calcium (filtered)	mg/L	200	180	200																	
Chloride	mg/L	3,400	3,400	3200																	
Chromium (III+VI) (filtered)	mg/L	<0.001																			
Copper (filtered)	mg/L	<0.001																			
EC (field)	uS/cm	11,274	10,889	10780																	
Ethylbenzene	µg/L	<1																			
Fluoride	mg/L	0.5																			
Lead (filtered)	mg/L	<0.001																			
Magnesium (filtered)	mg/L	30	28	27																	
Manganese (filtered)	mg/L	0.16																			
Mercury (filtered)	mg/L	<0.00005																			
Nitrogen (Total Oxidised)	mg/L	0.006																			
Ammonia	mg/L	16	15	13																	
pH (Field)	-	7.26	6.88	7.52																	
Phenolics Total	µg/L	<50																			
Phosphorus	mg/L	<0.05																			
Potassium (filtered)	mg/L	120	130	120																	
Redox Potential (Field)	mV	-175.0	-106.9	0.7																	
Sodium (filtered)	mg/L	2,200	2,300	2200																	
Sulphate	mg/L	<1	2	2																	
Toluene	µg/L	<1																			
TOC	mg/L	3																			
Xylene Total	µg/L																				
Xylene (m & p)	µg/L	<2																			
Zinc (filtered)	mg/L	0.007																			
TPH																					
C10-C14	µg/L	<50																			
C10-C16	mg/L	<0.05																			
C15-C28	µg/L	<100																			
C16-C34	mg/L	<0.1																			
C29-C36	µg/L	<100																			
C34-C40	mg/L	<0.1																			
C6-C10	mg/L	<0.01																			
C6-C9	µg/L	<10																			
F2 minus Naphthalene	mg/L	<0.05																			
C10-C40 (Sum of total)	µg/L																				
+C10-C36 (Sum of total)	µg/L																				