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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BH5s		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	992	740	828	1,070	791	827	1,050	888	919	1,150	916	1,140	1,200	1,100	1,200	1,100	1,100	900	730	890	640	810
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			0.053				0.069				0.061				0.025				0.034			
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	98	66	95	100	90	82	112	84	88	88	84	95	94	85	76	76	86	88	94	68	96	76
Chloride	mg/L	175	382	250	640	290	354	794	248	527	846	474	1,050	700	240	260	410	680	260	170	170	300	450
Chromium (III+VI) (filtered)	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Copper (filtered)	mg/L			0.014				0.014				0.084				0.032				0.015			
EC (field)	uS/cm	2,796	7,310	3,550	4,400	3,800	3,910	4,890	3,120	4,060	4,633	5,416	3,568	5,310	3,653	4,008	4,009	4,877	3,666	3,747	3,328	3,223	4,063
Ethylbenzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			0.4			0.4	0.4		0.4	0.3	0.4	0.3			0.4				0.5			
Lead (filtered)	mg/L			0.003				0.002				<0.001				0.002				0.001			
Magnesium (filtered)	mg/L	117	97	98	149	110	114	156	112	126	149	110	185	140	110	100	120	160	120	130	100	120	120
Manganese (filtered)	mg/L			0.004				0.247				0.073				0.03				0.009			
Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrogen (Total Oxidised)	mg/L	14.5	0.79	23.8	11.4	11.3	5.64	3.37	11.7	8.31	4.86	1.5	0.21	1.909	8.008	5.533	6.08	2.31	6.3	8.8	4.4	7.5	4.4
Ammonia	mg/L	0.07	0.02	0.02	0.01	0.04	<0.01	0.03	<0.01	0.12	0.04	0.07	0.14	<0.005	<0.005	<0.005	0.026	0.014	<0.005	0.030	0.008	<0.005	0.026
pH (Field)	-	7.67	6.83	8.39	7.16	8.23	7.89	7.41	7.76	7.22	8.57	8.18	7.92	6.96	6.17	7.42	7.26	7.04	7.09	7.58	7.49	7.20	6.94
Phenolics Total	µg/L							<0.05								<0.05				<50			
Phosphorus	mg/L			<0.01				0.01				0.01				0.2				<0.05			
Potassium (filtered)	mg/L	3	5	3	9	4	5	9	5	6	9	4	8	5	2.1	3.3	6.3	9	2.5	4.1	5.9	4.3	8.2
Redox Potential (Field)	mV	99.6	19.8	-64.8	-44.9	-57.6	-85	-59.7	-79.7	-66.9	57.8	33	103.7	27	51.5	9.3	58.5	88.5	39.5	-14.1	16.7	81.8	20.8
Sodium (filtered)	mg/L	664	646	590	878	755	710	905	676	745	879	682	963	970	940	970	870	880	620	570	550	610	660
Sulphate	mg/L	899	285	835	613	696	679	501	765	725	588	651	544	650	770	680	700	550	910	1,200	790	890	750
Toluene	µg/L			<2				<2				<2				<1				<1			
TOC	mg/L			18				3				2				3				16			
Xylene Total	µg/L			<2				<2				<2											
Xylene (m & p)	µg/L			<2				<2				<2				<2				<2			
Xylene (o)																<1				<1			
Zinc (filtered)	mg/L			0.031				0.015				0.076				0.22				0.073			
TPH																							
C10-C14	µg/L			<50				<50				<50				<50				<50			
C10-C16	mg/L			<0.1				<0.1				<0.1				<0.05				<0.05			
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			<0.02				<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				<0.05			
C10-C40 (Sum of total)	µg/L			<100				<100				<100				<100							
+C10-C36 (Sum of total)	µg/L			<50				<50				<50				<50							

BH5s		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	880	870	900																	
Aluminium (filtered)	mg/L	0.01																			
Arsenic (filtered)	mg/L	<0.001																			
Barium (filtered)	mg/L	0.023																			
Benzene	µg/L	<1																			
Cadmium (filtered)	mg/L	<0.0001																			
Calcium (filtered)	mg/L	77	76	93																	
Chloride	mg/L	500	170	410																	
Chromium (III+VI) (filtered)	mg/L	<0.001																			
Copper (filtered)	mg/L	0.008																			
EC (field)	uS/cm	3,974	3,390	4211																	
Ethylbenzene	µg/L	<1																			
Fluoride	mg/L	0.5																			
Lead (filtered)	mg/L	<0.001																			
Magnesium (filtered)	mg/L	120	100	140																	
Manganese (filtered)	mg/L	0.14																			
Mercury (filtered)	mg/L	<0.00005																			
Nitrogen (Total Oxidised)	mg/L	3.1																			
Ammonia	mg/L	0.011	0.032	0.034																	
pH (Field)	-	7.09	7.28	7.59																	
Phenolics Total	µg/L	<50																			
Phosphorus	mg/L	0.1																			
Potassium (filtered)	mg/L	6	5.4	5.8																	
Redox Potential (Field)	mV	59.4	14.3	21.9																	
Sodium (filtered)	mg/L	670	580	750																	
Sulphate	mg/L	700	700	610																	
Toluene	µg/L	<1																			
TOC	mg/L	2																			
Xylene Total	µg/L																				
Xylene (m & p)	µg/L	<2																			
Xylene (o)	µg/L	<1																			
Zinc (filtered)	mg/L	0.12																			
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																				