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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BH16s		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													1,000	950	1,000	1,200	1,100	1,000		1,000	1,000	950
Aluminium (filtered)	mg/L															<0.01							
Arsenic (filtered)	mg/L															<0.001							
Barium (filtered)	mg/L															0.066							
Benzene	µg/L																						
Cadmium (filtered)	mg/L															0.0001							
Calcium (filtered)	mg/L													120	140	110	93	87	97		57	61	58
Chloride	mg/L													1,400	1,300	1,100	860	730	900		340	320	280
Chromium (III+VI) (filtered)	mg/L															0.001							
Copper (filtered)	mg/L															0.045							
EC (field)	uS/cm													6,340	5,820	5,067	3,045	4,365	4,700		3,029	2,836	3,007
Ethylbenzene	µg/L																						
Fluoride	mg/L															0.3							
Lead (filtered)	mg/L															0.007							
Magnesium (filtered)	mg/L													220	230	180	150	140	160		75	75	80
Manganese (filtered)	mg/L															0.015							
Mercury (filtered)	mg/L															0.00005							
Nitrogen (Total Oxidised)	mg/L													2	0.97	0.826	0.71	0.706	0.82		0.3	0.2	0.3
Ammonia	mg/L													0.037	0.011	0.05	0.03	0.01	<0.005		<0.005	<0.005	0.036
pH (Field)	-													6.91	7.06	7.22	8.39	6.96	7.7		7.39	6.85	7.00
Phenolics Total	µg/L															<50							
Phosphorus	mg/L															0.2							
Potassium (filtered)	mg/L													19	19	16	14	15	15		9.3	9.4	10
Redox Potential (Field)	mV													35	22.2	65.4	101	129.5			71.8	3.3	56.2
Sodium (filtered)	mg/L													1,100	970	1,100	840	730	800		520	510	500
Sulphate	mg/L													490	460	360	310	270	320		210	190	150
Toluene	µg/L																						
TOC	mg/L																						
Xylene (m & p)	µg/L																						
Zinc (filtered)	mg/L															0.39							
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							

Dry Well

BH16s		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	890	930																		
Aluminium (filtered)	mg/L	<0.01																			
Arsenic (filtered)	mg/L	<0.001																			
Barium (filtered)	mg/L	0.068																			
Benzene	µg/L	<1																			
Cadmium (filtered)	mg/L	<0.0001																			
Calcium (filtered)	mg/L	53	63																		
Chloride	mg/L	270	230																		
Chromium (III+VI) (filtered)	mg/L	<0.001																			
Copper (filtered)	mg/L	0.005																			
EC (field)	uS/cm	2,691	2,538																		
Ethylbenzene	µg/L	<1																			
Fluoride	mg/L	1.2																			
Lead (filtered)	mg/L	<0.001																			
Magnesium (filtered)	mg/L	68	80																		
Manganese (filtered)	mg/L	0.008																			
Mercury (filtered)	mg/L	<0.00005																			
Nitrogen (Total Oxidised)	mg/L	0.3																			
Ammonia	mg/L	0.051	0.016																		
pH (Field)	-	7.30	7.27																		
Phenolics Total	µg/L	<50																			
Phosphorus	mg/L	0.3																			
Potassium (filtered)	mg/L	8.2	11																		
Redox Potential (Field)	mV	-183.1	39.6																		
Sodium (filtered)	mg/L	420	530																		
Sulphate	mg/L	180	230																		
Toluene	µg/L	<1																			
TOC	mg/L	10																			
Xylene Total	µg/L	<2																			
Xylene (m & p)	µg/L	0.017																			
Xylene (o)	µg/L	<1																			
Zinc (filtered)	mg/L																				
TPH		<50																			
C10-C14	µg/L	<0.05																			
C10-C16	mg/L	<100																			
C15-C28	µg/L	<0.1																			
C16-C34	mg/L	<100																			
C29-C36	µg/L	<0.1																			
C34-C40	mg/L	<0.01																			
C6-C10	mg/L	<10																			
C6-C9	µg/L	<0.05																			
F2 minus Naphthalene	mg/L	<0.05																			
C10-C40 (Sum of total)	µg/L																				
+C10-C36 (Sum of total)	µg/L																				