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

Disclaimer: Monitoring data contained in this document is made available as required by Section 66(6) of the Protection of the Environment Operations Act 1997 and in accordance with the requirements issued in writing by the Environment Protection Authority. To the best of the Licensees' knowledge, the data in this table is correct, except where specifically noted. The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licencees. For more details on publication of pollution monitoring data refer to the NSW EPA Website www.epa.nsw.gov.au

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
*C10 - C14	µg/L			<50				<50				<50				<50				54			
*C15 - C28	µg/L			<100				<100				<100				<100				120			
*C29 - C36	µg/L			<50				<50				<50				<100				<100			
*C6 - C9	µg/L			<20				<20				<20				<10				<10			
*meta & para-Xylene	µg/L			<2				<2				<2				<2				<2			
*Naphthalene	µg/L			<5				<5				<5				<1				<1			
*Nitrate	mg/L	<0.01	0.28	-	0.59	4.2	-	<0.01	0.4	0.07	0.21	<0.01	0.03	0.04	<0.005	0.007	<0.005	<0.005	0.19	0.005	<0.005	<0.005	<0.005
*Nitrite	mg/L	<0.01	1.78	-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
*ortho-Xylene	µg/L			<2				<2				<2				<1				<1			
Alkalinity	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	mg/L			<0.01				<0.01				<0.01				<0.01				0.01			
Arsenic	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
Barium	mg/L			26				15.1				5.9				2.3				1.8			
Benzene	µg/L			1				<1				<1				<1				<1			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	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	5330	58	3880	30	3460	89	3570	29	47	29	3520	3720	3200	3500	3400	3200	2600	3400	3500	3200	3400	3600
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				0.004			
Copper	mg/L			<0.001				<0.001				0.009				0.03				0.006			
Electrical Conductivity	µS/cm	15820	15800	11590	15850	11800	12050	11180	12720	11983	11961	16706	6853	11010	11125	5418	10929	10311	10322	5126	10890	9866	11424
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			0.2				0.2				0.3	0.4			0.3				0.4			
Lead	mg/L			<0.001				<0.001				<0.001				0.003				<0.001			
Magnesium	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	mg/L			0.021				0.048				0.039				<0.005				0.17			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrate + nitrite	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	<0.005	0.007	<0.005	<0.005	0.19	0.005	<0.005	<0.005	<0.005
Nitrogen (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		6.03	6.01	7.6	6.01	7.75	7.51	6.94	7	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
Phenols	µg/L			<1				<1				<1.0				<50				<0.05			
Phosporus	mg/L			<0.01				0.04				<0.01				<0.05				0.1			
Potassium	mg/L	48	3	68	2	106	9	84	2	4	2	127	131	140	370	150	98	130	130	140	140	120	120
Redox	mV	98.7	100.3	-14	-38.7	-19.4	-24.7	-30.2	-27.85	-27.72	-28.7	-1	124.6	-9	49.3	8.6	-122	-157.9	-166.5	-49.3	-140.2	-264	69.3
Sodium	mg/L	3640	72	2010	16	1800	209	2040	19	117	18	2290	2140	2700	5300	2900	2100	1800	2000	2200	2400	2100	1800
Standing water level	m AHD	30.57	30.761	30.658	30.739	28.839	26.76	30.376	30.658	30.633	29.735	30.704	30.715	30.64	30.8	29.94	30.05	30.43	30.74	30.78	30.71	30.76	30.88
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			
Total organic carbon	mg/L			<1				16				22				31				35			
Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				<100				174			
Xylene	µg/L			<2				<2				<2				<1				<2			
Zinc	mg/L			0.012				0.016				0.032				0.041				16			