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 The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licencees.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

BH7i		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				100				<50				<50			
*C15 - C28	µg/L			<100				<100				<100				<100				<100			
*C29 - C36	µg/L			<50				<50				<50				<100				<100			
*C6 - C9	µg/L			<20				<20				40				<10				<10			
*meta & para-Xylene	µg/L			<2				<2				<2				<1				<2			
*Naphthalene	µg/L			<5				<5				<5				<1				<1			
*Nitrate	mg/L	<0.01	<0.01	-	0.06	0.01	-	<0.01	0.02	0.09	0.3	0.15	<0.01	0.01	<0.01	<0.005	<0.025	<0.050	<0.050	0.008	0.076	<0.005	0.97
*Nitrite	mg/L	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	0.31	0.22	<0.005	<0.01	<0.005	<0.025	<0.005	<0.050	<0.005	<0.005	<0.005	<0.005
*ortho-Xylene	µg/L			<2				<2				<2				<1				<1			
Alkalinity	mg/L	465	401	483	436	480	417	443	579	155	40	536	467	440	430	410	430	420	450	420	410	420	470
Aluminium	mg/L			<0.01				<0.01				<0.01				<0.01				<0.01			
Arsenic	mg/L			0.002				0.003				<0.001				0.002				0.003			
Barium	mg/L			58.3				52.7				61.4				54				54			
Benzene	µg/L			1				<1				<1				<1				<1			
Cadmium	mg/L			<0.001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	mg/L	395	353	353	456	247	437	398	452	9	11	376	322	250	280	260	230	240	270	240	260	240	280
Chloride	mg/L	5350	6240	6450	6190	4070	6580	6120	6480	47	29	6050	6540	6200	6000	5900	6300	5400	6600	6600	6300	6200	6600
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Copper	mg/L			0.074				<0.001				0.007				0.013				<0.001			
Electrical Conductivity	µS/cm	16280	14274	18010	17900	18350	12200	18090	17530	12256	15958	25800	15180	18280	17670	17201	8409	16901	17564	16361	17643	17046	18446
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			0.1				0.2				0.1	0.1			0.2				0.2			
Lead	mg/L			<0.001				<0.001				<0.001				0.001				<0.001			
Magnesium	mg/L	191	165	164	158	94	152	164	170	2	4	155	158	160	170	170	150	160	180	170	160	160	170
Manganese	mg/L			0.421				0.239				0.401				0.24				0.21			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.0005				<0.00005			
Nitrate + nitrite	mg/L	<0.01	<0.01	<0.01	0.06	0.01	<0.01	<0.01	0.02	0.1	0.3	0.46	0.09	0.01	<0.01	<0.005	<0.025	<0.025	<0.050	0.008	0.08	<0.005	0.97
Nitrogen (ammonia)	mg/L	7.24	7.96	8.39	7.61	3.54	8.57	8	8.46	0.03	0.03	8.26	8.11	7.5	7.6	8.5	6.3	7.5	7.3	7.9	6.8	7.5	8.1
pH		5.73	6.05	6.25	5.84	6.22	6.31	6.55	6.8	6.55	6.63	7.2	7.05	6.5	6.37	7.5	7.17	6.57	7.2	6.56	7.3	6.84	7.47
Phenols	µg/L			<1				<0.05				<1.0				<50				<0.05			
Phosporus	mg/L			0.02				0.14				0.02				<0.05				<0.05			
Potassium	mg/L	47	40	37	39	23	39	41	45	4	2	40	39	49	49	49	41	44	39	42	38	44	42
Redox	mV	86.5	36.8	64.4	30.1	67	57	-10.1	-23.7	-20.1	-17.9	-50.8	-51.4	121	-28	-13.6	28.1	-44.5	-86.7	-15.3	65.7	-59.7	104.9
Sodium	mg/L	3560	3620	3490	3310	2080	3430	3270	3640	108	17	3260	3390	4600	8800	4800	3600	3700	3600	3900	3600	3600	4300
Standing water level	m AHD	56.16	56.373	62.478	56.949	56.57	55.25	55.94	56.732	56.6	56.587	56.485	56.538	56.35	55.82	56.04	56.46	56.32	56.42	56.63	56.46	56.61	56.61
Sulphate	mg/L	<10	<10	<1	<1	<10	<1	<1	<1	28	7	1	<1	3	<1	4	150	<1	<1	<1	<1	<1	2
Toluene	µg/L			<2				<2				<2				<1				<1			
Total organic carbon	mg/L			<1				2				2				11				7			
Total Petroleum Hydrocarbons	µg/L			<50				<50				100				<100				<100			
Xylene	µg/L			<2				<2				<2				<1				<2			
Zinc	mg/L			0.04				0.039				0.466				0.044				0.035			