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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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**
Alkalinity (total) as CaCO3	**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 (filtered)	**mg/L**			<0.01				<0.01				<0.01				<0.01				<0.01			
Arsenic (filtered)	**mg/L**			0.002				0.003				<0.001				0.002				0.003			
Barium (filtered)	**mg/L**			58.3				52.7				61.4				54				54			
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**	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**	5,350	6,240	6,450	6,180	4,070	6,580	6,120	6,480	47	29	6,050	6,540	6,200	6,000	5,900	6,300	5,400	6,600	6,600	6,300	6,200	6,600
Chromium (III+VI) (filtered)	**mg/L**			<0.001				<0.001				<0.001				<0.001				<0.001			
Copper (filtered)	**mg/L**			0.074				<0.001				0.007				0.013				<0.001			
EC (field)	**uS/cm**	16,280	14,274	18,010	17,900	18,350	12,200	18,090	17,530	12,256	15,958	25,800	15,180	18,280	17,670	17,201	8,409	16,901	17,564	16,361	17,643	17,046	18,446
Ethylbenzene	**µg/L**			<2				<2				<2				<1				<1			
Fluoride	**mg/L**			0.1				0.2		1.3	1	0.1	0.1			0.2				0.2			
Lead (filtered)	**mg/L**			<0.001				<0.001				<0.001				0.001				<0.001			
Magnesium (filtered)	**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 (filtered)	**mg/L**			0.421				0.239				0.401				0.24				0.21			
Mercury (filtered)	**mg/L**			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrogen (Total Oxidised)	**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		<0.005	<0.025	<0.025	<0.05	0.008	0.08	<0.005	0.97
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 (Field)	-	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	6.79	7.17	6.57	7.2	6.56	7.3	6.84	7.47
Phenolics Total	**µg/L**							<0.05								<0.05				<50			
Phosphorus	**mg/L**			0.02				0.14				0.02				<0.05				<0.05			
Potassium (filtered)	**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 Potential (Field)	**mV**	86.5	36.8	64.4	30.1	67	5.7	-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 (filtered)	**mg/L**	3,560	3,620	3,490	3,310	2,080	3,430	3,270	3,640	108	17	3,260	3,390	4,600	8,800	4,800	3,600	3,700	3,600	3,900	3,600	3,600	4,300
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			
TOC	**mg/L**			<1				2				2				11				7			
Xylene Total	**µg/L**			<2				<2				<2											
Xylene (m & p)	**µg/L**			<2				<2				<2				<2				<2			
Xylene (o)	**µg/L**															<1				<1			
Zinc (filtered)	**mg/L**			0.04				0.039				0.466				0.044				0.035			
C10-C14	**µg/L**			<50				<50				100				<50				<50			
C10-C16	**mg/L**			<0.1				<0.1				0.11				<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				0.04				<0.01				<0.01			
C6-C9	**µg/L**			<20				<20				40				<10				<10			
F2 minus Naphthalene	**mg/L**			<0.1				<0.1				0.11				<0.05				<0.05			
C10-C40 (Sum of total)	**µg/L**			<100				<100				110											
+C10-C36 (Sum of total)	**µg/L**			<50				<50				100											

BH7i		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	450	500	400																	
Aluminium (filtered)	mg/L	<0.01																			
Arsenic (filtered)	mg/L	0.005																			
Barium (filtered)	mg/L	61																			
Benzene	µg/L	<1																			
Cadmium (filtered)	mg/L	<0.0001																			
Calcium (filtered)	mg/L	260	240	250																	
Chloride	mg/L	6,200	5,800	5300																	
Chromium (III+VI) (filtered)	mg/L	<0.001																			
Copper (filtered)	mg/L	0.002																			
EC (field)	uS/cm	18,200	17,574	16140																	
Ethylbenzene	µg/L	<1																			
Fluoride	mg/L	0.3																			
Lead (filtered)	mg/L	<0.001																			
Magnesium (filtered)	mg/L	170	140	170																	
Manganese (filtered)	mg/L	0.22																			
Mercury (filtered)	mg/L	<0.00005																			
Nitrogen (Total Oxidised)	mg/L	<0.005																			
Ammonia	mg/L	8.8	9.9	6.9																	
pH (Field)	-	6.69	6.64	7.5																	
Phenolics Total	µg/L	<50																			
Phosphorus	mg/L	0.07																			
Potassium (filtered)	mg/L	37	51	46																	
Redox Potential (Field)	mV	-70.9	-51.7	5.6																	
Sodium (filtered)	mg/L	3,400	4,000	3700																	
Sulphate	mg/L	<1	<1	<1																	
Toluene	µg/L	<1																			
TOC	mg/L	1																			
Xylene Total	µg/L																				
Xylene (m & p)	µg/L	<2																			
Xylene (o)	µg/L	<1																			
Zinc (filtered)	mg/L	0.027																			
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																				