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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BH12d & BH26d		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	it did not exist		<50				<50				<50				<50				240			
*C15 - C28	µg/L			<100				<100				<100				<100				120			
*C29 - C36	µg/L			<50				<50				<50				<100				<100			
*C6 - C9	µg/L			80				40				70				<10				13			
*meta & para-Xylene	µg/L			8				9				20				<2				3			
*Naphthalene	µg/L			<5				<5				<5				<1				<1			
*Nitrate	mg/L		<0.01	<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	0.02	0.02	0.04	0.02	<0.005	0.007	0.31	<0.005	<0.005	<0.005	0.008
*Nitrite	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
*ortho-Xylene	µg/L			4				4				8				<1				<1			
Alkalinity	mg/L		506	584	753	627	349	554	824	938	948	943	933	930	1000	1000	1000	1000	650	1100	1100	1100	1100
Aluminium	mg/L			0.02				<0.01				<0.01				<0.01				<0.01			
Arsenic	mg/L			0.002				0.002				0.002				0.004				0.002			
Barium	mg/L			6.8				7.29				25.1				20				24			
Benzene	µg/L			10				8				14				<1				10			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	mg/L		8	88	170	184	87	84	180	165	182	223	191	200	210	220	190	220	260	250	250	210	250
Chloride	mg/L		3290	3610	3450	3230	1340	1930	3490	3190	3320	3410	3160	3000	2900	2900	2600	2500	3200	3100	2700	2900	2900
Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Copper	mg/L			<0.001				<0.001				<0.001				0.019				0.002			
Electrical Conductivity	µS/cm		9872	11050	10750	10720	9570	10830			7070	5988	4231	10270	10480	9774	9993	9873	10528	9470	9753	9448	9956
Ethyl Benzene	µg/L			<2				<2				2				<1				<1			
Fluoride	mg/L			0.2			0.1	0.2				0.2	0.1			0.1				0.1			
Lead	mg/L			<0.001				<0.001				<0.001				<0.001				<0.001			
Magnesium	mg/L		28	66	77	74	37	33	70	57	70	79	73	74	76	76	72	70	83	82	78	66	82
Manganese	mg/L			0.122				0.124				0.2				0.16				0.18			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrate + nitrite	mg/L		<0.01	<0.01	0.05	0.09	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	0.02	0.02	0.04	0.02	0.006	0.007	0.31	<0.005	<0.005	<0.005	0.01
Nitrogen (ammonia)	mg/L		15.5	10.7	8.82	8.54	4.18	8.64	8.2	7.67	8.27	7.93	8.02	8	6.6	6.2	6.9	6.2	5.3	7.5	7.9	6.2	7
pH			10.79	8.25	6.86	8.2	6.95	7.28			6.78	7.11	7.04	7.1	7.25	7.32	8.06	7.03	6.75	6.3	6.58	6.8	6.9
Phenols	µg/L			1.5				<1				<1.0				<50				<0.05			
Phosporus	mg/L			<0.01				<0.01				0.1				<0.005				<0.05			
Potassium	mg/L		103	73	78	70	36	30	64	54	83	70	63	69	82	80	73	61	75	63	74	65	62
Redox	mV		-100.6	-53.7	-28.3	16.2	-31.3	-48.2			-143.1	-112.1	-140.4	-45	-74.3	-136.3	-260.1	-117.2	-13	-37.1	-109.9	-37.3	-56.9
Sodium	mg/L		2190	2040	2240	2340	1030	928	2050	1550	1850	2110	1890	2500	2600	2600	1900	1500	1800	2100	2100	1900	1700
Standing water level	m AHD		3.515	19.034	20.578	20.71	23.12	24.576	24.421	24.97	25.44	26.054	26.783	25.77	25.844	25.634	25.034	15.71	16.63	16.63	16.63	16.54	16.53
Sulphate	mg/L		116	25	<1	2	2	<1	<10	<1	<10	<1	<5	4	2	4	3	13	1	<1	1	<1	<1
Toluene	µg/L			22				<2				<2				<1				<1			
Total organic carbon	mg/L			21				5				18				28				37			
Total Petroleum Hydrocarbons	µg/L			80				<50				<50				<100				373			
Xylene	µg/L			12				13				28				<1				3			
Zinc	mg/L			0.009				<0.005				0.009				0.081				0.19			