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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BH11i		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		Well blocked by bin at the time of sampling	Well blocked by bin at the time of sampling	<50				<50				<50				78			
*C15 - C28	µg/L			<100				750				<100				<100				280			
*C29 - C36	µg/L			<50				580				<50				<100				<100			
*C6 - C9	µg/L			20				50				<20				32				<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	0.22	0.52			<0.01	0.17	<0.01	<0.01	<0.01	<0.01	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	0.008	<0.005
*Nitrite	mg/L	0.32	0.44	0.22	<0.01			0.38	0.06	<0.01	<0.01	<0.01	<0.01	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005
*ortho-Xylene	µg/L			<2				<2				<2				<1				<1			
Alkalinity	mg/L	274	242	49	49			468	161	188	195	61	220	230	260	450	440	340	400	400	37	250	150
Aluminium	mg/L			0.01				<0.01				0.04				0.17				0.03			
Arsenic	mg/L			<0.001				0.001				0.002				0.009				0.004			
Barium	mg/L			0.027				0.258				0.056				3.8				0.55			
Benzene	µg/L			<1				<1				<1				5				2			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	mg/L	29	8	17	17			63	8	8	5	7	15	18	24	38	36	30	76	77	82	170	150
Chloride	mg/L	263	323	32	30			133	42	46	51	18	52	65	73	970	880	250	160	180	160	66	110
Chromium	mg/L			<0.001				0.004				<0.001				<0.001				0.002			
Copper	mg/L			0.043				0.007				0.005				0.017				0.001			
Electrical Conductivity	µS/cm	1330	1855	1820	2215			1670	4720	4910	569	1327	745	810	735	3383	3092	1483	1306	1290	1035	1069	1359
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			1				0.2				0.8	1			0.6				0.8			
Lead	mg/L			<0.001				0.01				<0.001				0.003				<0.001			
Magnesium	mg/L	<1	<1	6	5			<1	3	3	2	2	2	3.3	4.1	14	13	6	6.5	6.9	6.3	7.4	8.1
Manganese	mg/L			0.002				0.002				0.002				0.095				0.26			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrate + nitrite	mg/L	0.33	0.16	0.44	0.52			0.37	0.23	<0.01	<0.01	<0.01	<0.01	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	0.02	<0.005
Nitrogen (ammonia)	mg/L	10.5	6.1	0.02	0.01			6.65	0.47	0.49	1.05	1.04	0.99	0.76	0.75	2.3	2.4	1.3	1.1	1.2	1	0.42	1.6
pH		11	11.25	11.24	11.52			11.65	8.87	8.22	7.98	7.91	8.16	7.46	7.04	8.2	8.15	7.33	7.83	6.88	5.88	5.69	5.17
Phenols	µg/L			<1				<1				<1.0				<50				<0.05			
Phosporus	mg/L			<0.01				0.25				<0.01				<0.05				0.06			
Potassium	mg/L	10	10	3	2			6	6	5	6	2	5	7.9	9.7	21	19	12	14	15	14	8.8	11
Redox	mV	-11.3	-47.6	-21.6	-65			-303.3	-143.9	-125	26.5	-45.3	-76.6	-179	-30.3	-112.5	-152.8	-264.7	25.3	-239	-186.1	17.3	-6.7
Sodium	mg/L	271	279	18	16			133	101	103	105	32	110	150	140	960	770	260	180	200	190	66	130
Standing water level	m AHD	40.64	40.814	40.64	39.49			41.34	41.227	40.78	40.755	40.56	40.572	40.6	40.12	39.79	39.95	39.99	nr	40.23	40.18	40.34	40.23
Sulphate	mg/L	5	6	10	9			5	17	15	21	11	24	27	26	3	2	13	18	46	37	250	150
Toluene	µg/L			<2				11				<2				4				<1			
Total organic carbon	mg/L			4				13				7				14				33			
Total Petroleum Hydrocarbons	µg/L			20				1330				<50				32				358			
Xylene	µg/L			<2				<2				<2				<1				<2			
Zinc	mg/L			0.013				0.019				0.01				0.066				0.012			