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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BH17d		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				250			
*C15 - C28	µg/L			<100				<100				<100				<100				180			
*C29 - C36	µg/L			<50				<50				<50				<100				<100			
*C6 - C9	µg/L			20				110				70				92				30			
*meta & para-Xylene	µg/L			<2				6				5				6				<2			
*Naphthalene	µg/L			<5				<5				<5				<1				<1			
*Nitrate	mg/L	0.02	<0.01	0.33	0.09	-	<0.01	0.07	<0.01	0.04	0.03	0.01	<0.01	0.13	0.14	0.12	0.064	0.02	0.03	0.63			
*Nitrite	mg/L	<0.01	<0.01	0.1	<0.01	-	0.02	0.02	0.04	0.06	0.06	0.07	0.07	0.062	0.056	0.061	0.052	0.052	0.046	0.034			
*ortho-Xylene	µg/L			<2				3				2				3				<1			
Alkalinity	mg/L	1740	1480	49	2140	831	1310	1440	1490	1650	1500	1850	1970	2000	1400	2200	2050	5100	1900	2000			
Aluminium	mg/L			0.01				0.24				0.24				0.39				0.19			
Arsenic	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
Barium	mg/L			0.025				0.549				0.795				0.95				1.2			
Benzene	µg/L			<1				29				26				21				28			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
Calcium	mg/L	70	23	18	227	<1	26	53	<1	100	166	222	204	260	300	360	270	210	260	270			
Chloride	mg/L	215	251	33	200	145	282	286	293	270	316	297	339	280	250	230	280	220	320	320			
Chromium	mg/L			<0.001				0.001				0.029				0.046				<0.001			
Copper	mg/L			0.045				0.005				0.009				0.02				0.007			
Electrical Conductivity	µS/cm	6961	7781	7530	8740	5970	6370	7010	7100	7890	4832	12028	7807	9060	8452	8521	8199	7125	8019	8715			
Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
Fluoride	mg/L			1.1				0.3				0.2	0.2			0.1				0.2			
Lead	mg/L			<0.001				<0.001				0.002				0.005				0.003			
Magnesium	mg/L	<1	<1	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
Manganese	mg/L			0.002				<0.001				<0.001				<0.005				<0.005			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrate + nitrite	mg/L	0.02	<0.01	0.43	0.09	0.03	0.02	0.09	0.04	0.1	0.09	0.08	0.07	0.192	0.196	0.181	0.116	0.072	0.07	0.66			
Nitrogen (ammonia)	mg/L	35	41.7	0.01	25.9	14.6	32.9	32.7	31.3	29.5	30.9	30.1	29.6	15	17	13	22	17	27	22			
pH		13	11.55	11.14	12.24	12.06	12.22	12.02	12.5	12.11	11.48	12.5	12.5	12.43	12.19	12.19	12.41	12.24	12.01	12.65			
Phenols	µg/L			<1				<0.05				<1.0				<50				<0.05			
Phosporus	mg/L			<0.01			0.06	0.07				<0.01				<0.05				<0.05			
Potassium	mg/L	38	30	3	30	15	32	26	26	22	27	23	20	26	27	24	30	21	26	22			
Redox	mV	-276.5	-263.4	-193.2	-341.2	-334	-340.6	-331.8	-355.4	-354	-126.1	-121.7	-106.3	-87	-30.9	-124.5	-218.9	-109.2	-265.2	-175.7			
Sodium	mg/L	780	755	18	758	405	762	778	778	761	813	722	646	860	920	870	760	620	730	760			
Standing water level	m AHD	28.72	28.666	28.984	28.901	26.1	24.34	23.77	29.068	29.12	29.09	24.488	29.027	28.93	28.95	29.05	28.29	28.26	29.08	29.1			
Sulphate	mg/L	<1	<1	10	<1	5	11	6	26	<1	16	14	20	24	16	12	11	8	9	9			
Toluene	µg/L			<2				28				21				2				13			
Total organic carbon	mg/L			4				12				3				6				10			
Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				92				460			
Xylene	µg/L			<2				9				7				9				<2			
Zinc	mg/L			0.011				<0.005				0.012				0.06				0.13			