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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BH4i		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				160				1200			
*C15 - C28	µg/L			<100				<100				<100				<100				320			
*C29 - C36	µg/L			<50				<50				<50				<100				1400			
*C6 - C9	µg/L			<20				<20				<20				20				<10			
*meta & para-Xylene	µg/L			<2				<2				<2				<2				<2			
*Naphthalene	µg/L			<5				<5				<5				<1				<1			
*Nitrate	mg/L	0.02	0.55	29.2	0.04	-	<0.01	<0.01	<0.01	0.01	1.13	0.39	<0.01	<0.005	0.006	0.56	<0.025		0.33	0.02	0.01	0.03	<0.005
*Nitrite	mg/L	<0.01	0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	2.31	1.01	<0.005	<0.005	0.006	<0.025		<0.005	<0.005	0.019	<0.005	<0.005
*ortho-Xylene	µg/L			<2				<2				<2				<1				<2			
Alkalinity	mg/L	573	1060	853	538	446	466	512	448	527	209	516	522	520	540	490	460		570	490	400	450	460
Aluminium	mg/L			<0.01				<0.01				0.01				<0.01				0.01			
Arsenic	mg/L			<0.001				0.003				0.001				0.002				0.004			
Barium	mg/L			0.033				63.5				74.9				56				61			
Benzene	µg/L			<1				2				<1				2				4			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				0.0001			
Calcium	mg/L	350	94	96	362	211	356	341	352	352	16	331	273	220	210	190	180		42	210	130	120	160
Chloride	mg/L	4980	748	228	6180	3580	5860	6210	6460	5590	55	6100	6520	6200	6400	4400	4500		1200	6100	2800	3200	6100
Chromium	mg/L			<0.001				<0.001				0.001				0.007				0.009			
Copper	mg/L			0.017				0.002				0.004				0.002				0.005			
Electrical Conductivity	µS/cm	15820	15110	5880	17880	5790	18120	19350	17200	17060	17870	25195	6463	18170	17309	17000	13171		5083	14891	7456	9700	10735
Ethyl Benzene	µg/L			<2				<2				<2				<1		DRY		<1			
Fluoride	mg/L		0.2	0.4			0.2	0.2				0.2	0.2			0.2				0.2			
Lead	mg/L			<0.001				<0.001				<0.001				0.003				<0.001			
Magnesium	mg/L	178	164	102	191	107	176	178	173	191	11	179	171	180	180	150	140		17	180	88	81	130
Manganese	mg/L			0.002				0.256				0.23				0.27				0.28			
Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
Nitrate + nitrite	mg/L	0.02	0.56	29.2	0.04	75.1	<0.01	<0.01	<0.01	0.01	1.13	2.7	0.15	<0.005	0.006	0.566	<0.025		0.3	0.02	0.03	0.03	<0.005
Nitrogen (ammonia)	mg/L	8.58	0.02	<0.01	8.26	6.83	5.44	8.98	9.04	9.44	0.01	8.56	9.04	10	8.6	7.7	8.1		3.8	9.2	32	32	10
pH		6.76	6.69	8.19	6.6	8.13	7.15	6.97	7.19	6.92	7.03	7.53	7.21	6.91	6.84	7	6.88		7.52	7.04	8.53	6.3	638
Phenols	µg/L			<1				<0.05				<1.0				<50				<0.05			
Phosporus	mg/L			<0.01				0.06				0.06				<0.05				0.3			
Potassium	mg/L	48	9	2	53	27	49	50	50	41	3	46	46	57	6	53	44		21	52	30	37	38
Redox	mV	-24	-22.3	-83.2	-14.9	-88.8	-42.7	-33.6	-45.8	-48.8	-42.7	-78.4	-78.6	51	-84.1	167	-178		-204.5	-107.7	-140.5	NT	-8.5
Sodium	mg/L	3480	1000	598	3790	2110	3500	3470	3460	3670	105	3480	3460	4900	4900	3700	2900		980	3100	2100	1500	38
Standing water level	m AHD	35.96	35.482	39.401	40.695	40.92	42.45	44.105	45.096	45.59	45.952	47.429	48.461	42.88	42.14	42.165	43.565		46.27	32.59	NT	49.59	50.91
Sulphate	mg/L	<10	672	771	<10	<1	<1	<1	2	<1	37	<1	8	3	<1	11	<1		2	3	6	<1	<1
Toluene	µg/L			<2				<2				<2				3				5			
Total organic carbon	mg/L			31				4				2				64				28			
Total Petroleum Hydrocarbons	µg/L							<50				100				180				2920			
Xylene	µg/L			<2				<2				<2				<1				<2			
Zinc	mg/L			0.014				0.042				0.045				0.052				0.056			