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		DRY		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			
*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			
*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			
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			
Chloride	mg/L	4980	748	228	6180	3580	5860	6210	6460	5590	55	6100	6520	6200	6400	4400	4500		1200	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			
Ethyl Benzene	µg/L			<2				<2				<2				<1				<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			
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			
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			
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			
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			
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			
Sodium	mg/L	3480	1000	598	3790	2110	3500	3470	3460	3670	105	3480	3460	4900	4900	3700	2900		980	3100			
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			
Sulphate	mg/L	<10	672	771	<10	<1	<1	<1	2	<1	37	<1	8	3	<1	11	<1		2	3			
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			