

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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BH18d	Pollutant	Units	2015		2016				2017				2018				2019				2020			
			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				54			
	*C15 - C28	µg/L			<100				<100				<100				<100				120			
	*C29 - C36	µg/L			<50				<50				<50				<100				<100			
	*C6 - C9	µg/L			<20				<20				<20				<10				<10			
	*meta & para-Xylene	µg/L			<2				<2				<2				<2				<2			
	*Naphthalene	µg/L			<5				<5				<5				<1				<1			
	*Nitrate	mg/L	<0.01	0.28	-	0.59	4.2	-	<0.01	0.4	0.07	0.21	<0.01	0.03	0.04	<0.005	0.007	<0.005	<0.005	0.19	0.005			
	*Nitrite	mg/L	<0.01	1.78	-	<0.01	<0.01	-	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
	*ortho-Xylene	µg/L			<2				<2				<2				<1				<1			
	Alkalinity	mg/L	465	134	652	49	679	293	468	46	153	47	459	533	540	550	570	920	840	810	850			
	Aluminium	mg/L			<0.01				<0.01				<0.01				<0.01				0.01			
	Arsenic	mg/L			<0.001				0.001				<0.001				<0.001				<0.001			
	Barium	mg/L			26				15.1				5.9				2.3				1.8			
	Benzene	µg/L			1				<1				<1				<1				<1			
	Cadmium	mg/L			<0.0001				<0.0001				<0.0001				<0.0001				<0.0001			
	Calcium	mg/L	404	76	259	18	142	6	235	17	10	13	136	92	76	150	91	310	140	160	170			
	Chloride	mg/L	5330	58	3880	30	3460	89	3570	29	47	29	3520	3720	3200	3500	3400	3200	2600	3400	3500			
	Chromium	mg/L			<0.001				<0.001				<0.001				<0.001				0.004			
	Copper	mg/L			<0.001				<0.001				0.009				0.03				0.006			
	Electrical Conductivity	µS/cm	15820	15800	11590	15850	11800	12050	11180	12720	11983	11961	16706	6853	11010	11125	5418	10929	10311	10322	5126			
	Ethyl Benzene	µg/L			<2				<2				<2				<1				<1			
	Fluoride	mg/L			0.2				0.2				0.3	0.4			0.3				0.4			
	Lead	mg/L			<0.001				<0.001				<0.001				0.003				<0.001			
	Magnesium	mg/L	200	11	109	5	15	2	107	6	2	4	30	18	19	26	26	80	19	21	22			
	Manganese	mg/L			0.021				0.048				0.039				<0.005				0.17			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001				<0.00005				<0.00005			
	Nitrate + nitrite	mg/L	<0.01	2.06	0.02	0.59	4.2	0.05	<0.01	0.4	0.08	0.21	<0.01	0.03	0.051	<0.005	0.007	<0.005	<0.005	0.19	0.005			
	Nitrogen (ammonia)	mg/L	7.26	0.06	5.71	<0.01	7.55	1.4	4.77	0.03	0.04	0.04	1.58	9.28	22	13	13	8.2	14	14	15			
	pH		6.03	6.01	7.6	6.01	7.75	7.51	6.94	7	7.17	7.07	8.1	7.76	7.7	7.43	7.73	7.11	7.28	7.35	5.78			
	Phenols	µg/L			<1				<1				<1.0				<50				<0.05			
	Phosphorus	mg/L			<0.01				0.04				<0.01				<0.05				0.1			
	Potassium	mg/L	48	3	68	2	106	9	84	2	4	2	127	131	140	370	150	98	130	130	140			
	Redox	mV	98.7	100.3	-14	-38.7	-19.4	-24.7	-30.2	-27.85	-27.7	-28.7	-1	124.6	-9	49.3	8.6	-122	-157.9	-166.5	-49.3			
	Sodium	mg/L	3640	72	2010	16	1800	209	2040	19	117	18	2290	2140	2700	5300	2900	2100	1800	2000	2200			
	Standing water level	m AHD	30.57	30.761	30.658	30.739	28.84	26.76	30.376	30.658	30.63	29.735	30.704	30.715	30.64	30.8	29.94	30.05	30.43	30.74	30.78			
	Sulphate	mg/L	<10	182	<1	9	37	17	6	11	30	10	65	16	110	26	15	<1	23	25	18			
	Toluene	µg/L			<2				<2				<2				<1				<1			
	Total organic carbon	mg/L			<1				16				22				31				35			
	Total Petroleum Hydrocarbons	µg/L			<50				<50				<50				<100				174			
	Xylene	µg/L			<2				<2				<2				<1				<2			
	Zinc	mg/L			0.012				0.016				0.032				0.041				16			