

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				<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			
*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			
*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			
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			
Chloride	mg/L	263	323	32	30			133	42	46	51	18	52	65	73	970	880	250	160	180			
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			
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			
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			
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			
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			
Phenols	µg/L			<1				<1				<1.0				<50				<0.05			
Phosphorus	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			
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			
Sodium	mg/L	271	279	18	16			133	101	103	105	32	110	150	140	960	770	260	180	200			
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			
Sulphate	mg/L	5	6	10	9			5	17	15	21	11	24	27	26	3	2	13	18	46			
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			