

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

Disclaimer: Monitoring data contained in this document is made available as required by Section 66(6) of the Protection of the Environment Operations Act 1997 and in accordance with the requirements issued in writing by the Environment Protection Authority. To the best of the Licensees' knowledge, the data in this table is correct, except where specifically noted. The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licensees. For more details on publication of pollution monitoring data refer to the NSW EPA Website www.epa.nsw.gov.au

BH2i	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																			560					
*C15 - C28	µg/L				<100																			290					
*C29 - C36	µg/L				<50																			<100					
*C6 - C9	µg/L				<20																			<10					
*meta & para-Xylene	µg/L				<2																			<1					
*Naphthalene	µg/L				<5																			<1					
*Nitrate	mg/L	<0.01	0.01	<0.01	0.06	-	0.27	0.05	<0.01	0.4	<0.01	<0.01	<0.01	<0.01	0.02	0.098	0.03	<0.05	<0.005	0.33	<0.005			<0.005					
*Nitrite	mg/L	0.03	<0.01	<0.01	<0.01	-	0.02	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.005	0.015	0.015	<0.005	<0.05	<0.005	<0.005	<0.005			<0.005					
*ortho-Xylene	µg/L				<2																			<1					
Alkalinity	mg/L	622	386	506	568	623	490	666	885	42	477	547	971	130	100	150	610	620	570	350									
Aluminium	mg/L				<0.01																			0.05					
Arsenic	mg/L				<0.001																			<0.001					
Barium	mg/L				2.82																			0.061					
Benzene	µg/L				<1																			<1					
Cadmium	mg/L				<0.0001																			<0.0001					
Calcium	mg/L	112	10	125	107	100	125	275	253	11	125	264	179	48	44	55	31	25	42	85									
Chloride	mg/L	1670	75	1180	958	1030	1520	3440	3110	31	718	4350	3220	12	14	9	780	950	1200	430									
Chromium	mg/L				0.002																			<0.001					
Copper	mg/L				<0.001																			0.002					
Electrical Conductivity	µS/cm	301.3	310.6	3210	3730	3810		3810	3550	3651	2835	3335	3273	419	310.2	394.5	351	4474	5083	2605									
Ethyl Benzene	µg/L				<2																			<1					
Fluoride	mg/L				0.2																			0.2					
Lead	mg/L				<0.001																			<0.001					
Magnesium	mg/L	139	3	108	17	17	124	95	229	5	12	127	213	1.3	1.5	2.8	11	14	17	8									
Manganese	mg/L				0.083																			0.099					
Mercury	mg/L				<0.0001																			<0.0005					
Nitrate + nitrite	mg/L	0.01	0.01	<0.01	0.06	<0.01	0.29	0.05	<0.01	0.46	<0.01	0.01	<0.01	0.02	0.113	0.03	<0.05	<0.005	0.3	<0.005				<0.005					
Nitrogen (ammonia)	mg/L	1.99	0.47	1.11	2.56	3.53	0.11	16.4	3.82	0.02	4.42	9.04	3.77	1.1	0.27	1.1	1.7	3.4	3.8	3.7									
pH		8.41	8.31	8.24	6.99	7.07		7.01	7.5	7.21	8.68	7.8	7.89	7.27	8.06	8.02	8.1	7.61	7.52	6.7									
Phenols	µg/L				4.3																			<1					
Phosphorus	mg/L				0.14																			<0.02					
Potassium	mg/L	23	12	22	18	16	16	84	29	2	15	75	26	4.3	4.4	5.6	18	18	21	11									
Redox	mV	39.6	40.3	39.3	-28.5	-33.8		-29.8	-33.6	-37.1	-220.2	-96.6	-117.9	-186	-99.1	167.1	-199.3	-158.6	-204.5	-220.8									
Sodium	mg/L	1080	236	812	735	769	943	2030	1730	18	525	3210	1660	12	15	27	770	950	980	360									
Standing water level	m AHD	25.11	24.535	36.304	30.558	39.03	34.16	38.184	44.402	44.1	45.112	47.675	46.91	46.61	47.86	47.92	69.22	26.29	31.33	33.94									
Sulphate	mg/L	34	23	92	<10	40	5	13	<1	9	90	<1	<1	21	48	45	9	6	2	68									
Toluene	µg/L				<2																			<1					
Total organic carbon	mg/L				2																			2					
Total Petroleum Hydrocarbons	µg/L				<50																			<100					
Xylene	µg/L				<2																			<1					
Zinc	mg/L				<0.005																			0.018					