

Dial A Dump (EC) Pty Ltd
Groundwater Monitoring



Licensee: Dial-A-Dump (EC) Pty Ltd EPL Nos.: 13426 and 20121
Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek

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 The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licensees.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

BH6d		2015		2016				2017				2018			
Pollutant	Units	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L			<50				<50				90			
*C15 - C28	µg/L			<100				130				110			
*C29 - C36	µg/L			<50				<50				<50			
*C6 - C9	µg/L			70				<20				<20			
*meta & para-Xylene	µg/L			8				<2				<2			
*Naphthalene	µg/L			<5				<5				<5			
*Nitrate	mg/L	<0.01	<0.01	0.08	9.02	0.46	-	-	0.02	0.06	0.28	<0.01	0.04	0.05	
*Nitrite	mg/L	<0.01	0.01	<0.01	<0.01	<0.01	-	-	<0.01	0.01	0.01	<0.01	<0.01	<0.05	
*ortho-Xylene	µg/L			4				<2				<2			
Alkalinity	mg/L	461	406	821	1240	596	425	657	818	156	48	697	850	570	
Aluminium	mg/L			<0.01				0.01				<0.01			
Arsenic	mg/L			<0.001				0.004				0.003			
Barium	mg/L			0.04				11.2				13.8			
Benzene	µg/L			10				3				<1			
Cadmium	mg/L			<0.0001				<0.0001				<0.0001			
Calcium	mg/L	410	354	100	99	87	452	147	217	9	29	171	257	130	
Chloride	mg/L	5380	6220	242	2730	1640	6590	1760	3230	47	29	2210	3040	2000	
Chromium	mg/L			<0.001				0.003				<0.001			
Copper	mg/L			0.007				0.002				<0.001			
Electrical Conductivity	µS/cm	16190	16180	14640	10990	14330	6960	6570	9780	10083	8811	11725	9944	5160	
Ethyl Benzene	µg/L			<2				<2				<2			
Fluoride	mg/L			0.4				0.3				0.2	0.2		
Lead	mg/L			<0.001				0.003				<0.001			
Magnesium	mg/L	193	165	105	202	20	163	38	89	2	4	45	72	37	
Manganese	mg/L			0.003				0.477				0.288			
Mercury	mg/L			<0.0001				<0.0001				<0.0001			
Nitrate + nitrite	mg/L	<0.01	<0.01	0.08	9.02	0.46	0.04	<0.01	0.02	0.07	0.29	<0.01	0.04	0.05	
Nitrogen (ammonia)	mg/L	7.82	7.9	10.7	0.12	3.3	8.35	7.8	3.13	<0.01	0.04	5.64	5.34	8.1	
pH		5.98	7.99	6.99	6.73	6.98	6.7	7.01	7.28	6.99	6.9	8.23	7.3	7.05	
Phenols	µg/L			1.7				<0.05				<1.0			
Phosphorus	mg/L			<0.01				0.03				0.03			
Potassium	mg/L	49	41	2	18	24	42	40	64	4	3	43	55	46	
Redox	mV	85.3	-30.1	18.3	-93	20.1	-17.1	-29.8	-50.7	-31.37	-33.36	-68.4	72.3	-46	
Sodium	mg/L	3660	3570	637	1920	782	3580	1270	1850	109	17	1390	1670	1600	
Standing water level	m AHD	11.43	11.268	14.535	7.022	19.061	17.589	18.783	19.843	20.067	20.392	21.506	21.823	17.15	
Sulphate	mg/L	<10	<10	908	360	<1	<1	<1	<1	25	41	<1	<1	54	
Toluene	µg/L			21				<2				<2			
Total organic carbon	mg/L			22				20				7			
Total Petroleum Hydrocarbons	µg/L			70				130				200			
Xylene	µg/L			12				<2				<2			
Zinc	mg/L			0.016				5.82				3.9			