

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 The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licensees.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

BH15s & BH15As	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					<50				
*C15 - C28	µg/L				<100					<100					<100					<100					<100				
*C29 - C36	µg/L				<50					<50					<50					<100					<100				
*C6 - C9	µg/L				<20					<20					<20					<10					<10				
*meta & para-Xylene	µg/L				<2					<2.0					<2					<2					<2				
*Naphthalene	µg/L				<5					<1.0					<5					<1					<1				
*Nitrate	mg/L	0.51	22.2	-	0.04	0.03	-	0.13	0.05	<0.01	0.07	0.04	0.04	0.058	0.02	0.04	0.008							0.065	0.03	0.06	0.33	0.11	
*Nitrite	mg/L	0.02	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005							0.015	0.009	0.006	0.66	0.008	
*ortho-Xylene	µg/L				<2					<2.0					<2					<1					<1				
Alkalinity	mg/L	1250	777	1030	1110	1040	1060	1010	1080	1100	1230	1210	1180	1200	1200	1200	1200							1600	1600	1500	1400	1600	
Aluminium	mg/L				<0.01					<0.01					<0.01					<0.01					0.01				
Arsenic	mg/L				0.002					0.001					<0.001					<0.001					<0.001				
Barium	mg/L				0.056					0.057					0.109					0.057					0.11				
Benzene	µg/L				<1					<1.0					<1					<1					<1				
Cadmium	mg/L				<0.0001					<0.0001					<0.0001					<0.0001					<0.0001				
Calcium	mg/L	84	76	81	82	85	88	80	75	98	64	85	71	69	68	69	71							74	71	70	62	72	
Chloride	mg/L	1310	1260	1790	1360	1470	1440	1170	1380	1320	1370	1400	1280	1400	1400	1400	1300							1900	2000	1800	1900	1800	
Chromium	mg/L				<0.001					<0.001					<0.001					<0.001					<0.001				
Copper	mg/L				<0.001					<0.001					<0.001					0.015					0.004				
Electrical Conductivity	µS/cm	5942	5610	6150	5940	5790	6090	6220	5520	5920	4929	7912	3584	6470	5865	5784	5753							7622	7780	7765	7225	7484	
Ethyl Benzene	µg/L				<2					<2.0					<2					<1					<1				
Fluoride	mg/L				0.2					0.2					0.2					0.2					0.2				
Lead	mg/L				<0.001					<0.001					<0.001					0.001					<0.001				
Magnesium	mg/L	224	204	198	186	185	178	178	174	188	176	192	182	180	180	180	180							240	230	210	200	210	
Manganese	mg/L				0.053					0.036					0.09					0.05					0.14				
Mercury	mg/L				<0.0001					<0.0001					<0.0001					<0.00005					<0.00005				
Nitrate + nitrite	mg/L	0.53	22.2	0.03	0.04	0.03	0.1	0.13	0.05	<0.01	0.07	0.04	0.04	0.058	0.02	0.04	0.008							0.08	0.04	0.07	0.99	0.1	
Nitrogen (ammonia)	mg/L	0.06	0.01	0.06	0.1	0.06	0.03	0.05	0.07	0.17	0.09	0.09	0.04	0.058	0.049	0.056	0.05							1	1	1	0.39	1.4	
pH		7.26	6.99	7.66	6.73	7.82	7.12	7.66	7.8	7.1	7.12	7.15	7.34	6.95	6.79	8	7.84							8.34	7.7	7.38	6.93	7.13	
Phenols	µg/L				<1					<1					<1.0					<50					<0.05				
Phosphorus	mg/L				<0.01					0.02					<0.01					0.2					1.1				
Potassium	mg/L	20	18	16	16	16	16	21	15	16	20	16	16	18	20	18	19							21	20	21	21	20	
Redox	mV	86.3	23.4	-19	-21.8	-25	-42.4	-69.2	-79.5	-57.6	104.4	-8.5	102.1	45	21.2	-36.1	-35.1							-140.5	-28.6	-118.9	2.7	51.6	
Sodium	mg/L	1200	1140	1160	1060	1200	1070	1060	1140	1140	1050	1140	1020	1300	1400	1300	1000							1300	1400	1500	1400	1500	
Standing water level	m AHD	66.17	65.924	66.301	66.31	67.39	66.28	66.338	66.33	66.34	66.351	66.323	66.306	66.13	66.2	66.26	66.18							65.52	65.53	65.54	65.46	65.56	
Sulphate	mg/L	244	224	230	205	227	205	182	199	220	244	221	237	210	190	190	200							150	150	140	140	140	
Toluene	µg/L				<2					<2.0					<2					<1					<1				
Total organic carbon	mg/L				<1					2					2					24					2				
Total Petroleum Hydrocarbons	µg/L				<0.5					<50					<50					<100					<100				
Xylene	µg/L				<2					-					<2					<1					<2				
Zinc	mg/L				0.017					0.01					0.012					0.049					0.021				

WELL DESTROYED