

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 The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licensees.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

BH19s		2017				2018				2019				2020			
Pollutant	Units	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14	µg/L					<50				<50				<50			
*C15 - C28	µg/L					<100				<100				<100			
*C29 - C36	µg/L					<50				<50				<50			
*C6 - C9	µg/L					<20				<10				<10			
*meta & para-Xylene	µg/L					<2				<2				<2			
*Naphthalene	µg/L					<5				<1				<1			
*Nitrate	mg/L		0.02	<0.01	<0.01	<0.01	<0.01	0.01	0.007	<0.005	<0.005	0.02	<0.005	<0.005			
*Nitrite	mg/L		0.02	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
*ortho-Xylene	µg/L					<2				<1				<1			
Alkalinity	mg/L		763	890	860	876	861	680	730	780	740	640	630	810			
Aluminium	mg/L					<0.01				<0.01				0.19			
Arsenic	mg/L					0.003				0.002				0.002			
Barium	mg/L					8.14				9.5				7.6			
Benzene	µg/L					<1				<1				<1			
Cadmium	mg/L					<0.0001				<0.0001				<0.0001			
Calcium	mg/L		10	17	23	37	28	53	57	43	45	54	60	36			
Chloride	mg/L		496	797	1470	1320	1390	2400	2300	1900	2000	2100	2800	1800			
Chromium	mg/L					<0.001				<0.001				<0.001			
Copper	mg/L					<0.001				0.007				0.001			
Electrical Conductivity	µS/cm		2510	4800	5909	7111	2670	7360	8317	6490	6618	7932	7634	5471			
Ethyl Benzene	µg/L					<2				<1				<1			
Fluoride	mg/L					0.4				0.3				0.3			
Lead	mg/L					<0.001				<0.001				<0.001			
Magnesium	mg/L		7	12	23	26	20	48	52	38	38	50	56	31			
Manganese	mg/L					0.069				0.017				0.014			
Mercury	mg/L					<0.0001				<0.00005				<0.00005			
Nitrate + nitrite	mg/L		0.04	<0.01	<0.01	<0.01	<0.01	0.01	0.007	<0.005	<0.005	0.02	<0.005	<0.005			
Nitrogen (ammonia)	mg/L		1.53	1.74	3.42	4.72	3.16	4.2	4.4	3.7	3.7	4.7	4.8	3.8			
pH			8.1	7.59	7.94	7.99	7.89	7.46	7.29	7.46	7.73	7.47	7.61	7.79			
Phenols	µg/L					<1.0				<0.05				<0.05			
Phosphorus	mg/L					0.03				<0.05				0.06			
Potassium	mg/L		8	9	20	13	14	26	30	24	23	24	30	16			
Redox	mV		-99.4	-88.1	-130.3	-116	-141.7	-154	-109.8	-87.3	-94.7	-135.6	-148.8	-134			
Sodium	mg/L		679	846	1210	1190	1170	2300	2300	1900	1500	1600	1500	1100			
Standing water level	m AHD		43.992	43.764	43.721	43.57	43.6	43.489	43.839	43.86	43.619	43.219	43.29	43.95			
Sulphate	mg/L		16	<1	<1	<1	<1	3	<1	<1	1	<1	<1	<1			
Toluene	µg/L					<2				<1				<1			
Total organic carbon	mg/L					2				2				8			
Total Petroleum Hydrocarbons	µg/L					<50				<50				<50			
Xylene	µg/L					<2				<2				<2			
Zinc	mg/L					<0.005				0.026				0.01			