

**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

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BH13i	Pollutant	Units	2015		2016				2017				2018			
			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				20				<20			
	*meta & para-Xylene	µg/L			<2				<2				<2			
	*Naphthalene	µg/L			<5				<5				<5			
	*Nitrate	mg/L	0.03	0.27	0.4	0.19	-	<0.01	0.08	0.27	0.3	0.18	0.14	0.18	0.34	
	*Nitrite	mg/L	<0.01	0.52	0.62	0.42	-	0.29	0.25	0.22	0.16	0.12	0.11	0.1	0.11	
	*ortho-Xylene	µg/L			<2				<2				<2			
	Alkalinity	mg/L	1780	413	480	622	1030	588	665			543	588	537	540	
	Aluminium	mg/L			0.05				0.06				0.08			
	Arsenic	mg/L			<0.001				0.001				<0.001			
	Barium	mg/L			0.912				0.961				0.983			
	Benzene	µg/L			2				2				2			
	Cadmium	mg/L			<0.0001				<0.0001				<0.0001			
	Calcium	mg/L	565	256	308	379	348	386	416	368	341	278	322	376	310	
	Chloride	mg/L	4580	1130	1110	1010	1260	1140	1150	1020	1130	1130	1150	1090	1200	
	Chromium	mg/L			0.002				0.004				0.002			
	Copper	mg/L			0.002				0.01				0.001			
	Electrical Conductivity	µS/cm	13112	4375	6160	6020	5710	6900	6340	6040	5940	5408	6426	4036	4010	
	Ethyl Benzene	µg/L			<2				<2				<2			
	Fluoride	mg/L			6.3			0.3	0.3				0.3	0.3		
	Lead	mg/L			0.008				0.013				0.003			
	Magnesium	mg/L	192	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	
	Manganese	mg/L			<0.001				<0.001				<0.001			
	Mercury	mg/L			<0.0001				<0.0001				<0.0001			
	Nitrate + nitrite	mg/L	0.03	0.79	1.02	0.61	0.15	0.27	0.33	0.49	0.46	0.3	0.25	0.28	0.45	
	Nitrogen (ammonia)	mg/L	8.83	5.39	9.01	8.41	3.51	5.75	9.28	8.91	8.24	8.74	8.46	8.8	2.3	
	pH		6.02	11.74	12.36	11.68	12.01	11.73	12.05	11.94	11.59	11.05	12.11	11.93	12.06	
	Phenols	µg/L			<1				<0.05				<1.0			
	Phosphorus	mg/L			<0.01				0.09				<0.01			
	Potassium	mg/L	81	26	21	24	21	23	23	20	20	26	22	21	25	
	Redox	mV	28.9	-63.1	-294.9	-309	-317	-317.6	-331.4	-319	-324.6	-96.2	-104.2	-76	-91	
	Sodium	mg/L	3710	704	615	673	648	665	665	638	617	654	610	593	780	
	Standing water level	m AHD	60.37	60.425	62.977	62.425	63.748	62.37	61.023	61.534	61.586	61.37	61.227	61.152	59.15	
	Sulphate	mg/L	<10	10	8	6	6	5	2	6	6	7	5	7	8	
	Toluene	µg/L			<2				<2				<2			
	Total organic carbon	mg/L			5				19				6			
	Total Petroleum Hydrocarbons	µg/L			20				<50				<50			
	Xylene	µg/L			<2				<2				<2			
	Zinc	mg/L			0.006				0.025				<0.005			