

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

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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		
	Alkalinity (total) as CaCO3	mg/L	1,250	777	1,030	1,110	1,040	1,060	1,010	1,080	1,100	1,230	1,210	1,180	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,600	1,600	1,500	1,400	1,600
	Aluminium (filtered)	mg/L			<0.01				<0.01				<0.01									0.01				
	Arsenic (filtered)	mg/L			0.002				0.001				<0.001									<0.001				
	Barium (filtered)	mg/L			0.056				0.057				0.109									0.11				
	Benzene	µg/L			<1								<1									<1				
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001									<0.0001				
	Calcium (filtered)	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	1,310	1,260	1,790	1,360	1,470	1,440	1,170	1,380	1,320	1,370	1,400	1,280	1,400	1,400	1,400	1,300				1,900	2,000	1,800	1,900	1,800
	Chromium (III+VI) (filtered)	mg/L			<0.001				<0.001				<0.001									<0.001				
	Copper (filtered)	mg/L			<0.001				<0.001				<0.001									0.004				
	EC (field)	uS/cm	5,942	5,610	6,150	5,940	5,790	6,090	6,220	5,520	5,920	4,929	7,912	3,584	6,470	5,865	5,784	5,753				7,622	7,780	7,765	7,225	7,484
	Ethylbenzene	µg/L			<2								<2									<1				
	Fluoride	mg/L			0.2				0.2		0.2	0.2	0.2	0.2								0.2				
	Lead (filtered)	mg/L			<0.001				<0.001				<0.001									0.001				
	Magnesium (filtered)	mg/L	224	204	198	186	185	178	178	174	188	176	192	182	180	180	180	180				240	230	210	200	210
	Manganese (filtered)	mg/L			0.053				0.036				0.09									0.14				
	Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001									<0.00005				
	Nitrogen (Total Oxidised)	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							0.08	0.04	0.07	0.99	0.1
	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	0.081	0.049	0.056	0.05				1.0	1.0	1.0	0.39	1.4
	pH (field)	-	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	7.06	7.84				8.34	7.7	7.38	6.93	7.13
	Phenolics Total	µg/L																				<0.05				
	Phosphorus	mg/L			<0.01				0.02				<0.01									0.2				
	Potassium (filtered)	mg/L	20	18	16	16	16	16	21	15	16	20	16	16	18	20	18	19				21	20	21	21	20
	Redox Potential (field)	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	51.1
	Sodium (filtered)	mg/L	1,200	1,140	1,160	1,060	1,200	1,070	1,060	1,140	1,140	1,050	1,140	1,020	1,300	1,400	1,300	1,000				1,300	1,400	1,500	1,400	1,500
	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									<1				
	TOC	mg/L			<1				2				2									2				
	Xylene Total	µg/L			<2								<2													
	Xylene (m & p)	µg/L			<2								<2									<2				
	Xylene (o)	µg/L																								
	Zinc (filtered)	mg/L			0.017				0.01				0.012									0.021				
	C10-C14	µg/L			<50								<50									<50				
	C10-C16	mg/L			<0.1								<0.1									<0.05				
	C15-C28	µg/L			<100								<100									<100				
	C16-C34	mg/L			<0.1								<0.1									<0.1				
	C29-C36	µg/L			<50								<50									<100				
	C34-C40	mg/L			<0.1								<0.1									<0.1				
	C6-C10	mg/L			<0.02								<0.02									<0.01				
	C6-C9	µg/L			<20								<20									<10				
	F2 minus Naphthalene	mg/L			<0.1								<0.1									<0.05				
	C10-C40 (Sum of total)	µg/L			<100								<100									<0.05				
	+C10-C36 (Sum of total)	µg/L			<50								<50									<100				

Well Destroyed

