

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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BH8s	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		932	1,210	434	1,090	1,260	1,330	1,220	1,150	1,400	1,310	1,310	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
	Aluminium (filtered)	mg/L		<0.01				<0.01					<0.01							<0.01				
	Arsenic (filtered)	mg/L		<0.001				<0.001					<0.001							<0.001				
	Barium (filtered)	mg/L		0.077				0.047					0.125							0.053				0.061
	Benzene	µg/L		<1				<1					<1						<1					<1
	Cadmium (filtered)	mg/L		<0.0001				<0.0001					<0.0001						<0.0001					<0.0001
	Calcium (filtered)	mg/L		82	99	458	102	110	96	93	118	70	99	82	71	82	73	66	71	78	71	71	71	80
	Chloride	mg/L		2,530	2,910	6,150	2,720	2,910	2,810	2,800	2,650	2,780	2,710	2,650	2,500	2,700	2,500	2,300	2,400	2,800	2,800	2,600	2,600	2,500
	Chromium (III+VI) (filtered)	mg/L		<0.001				<0.001					<0.001							<0.001				<0.001
	Copper (filtered)	mg/L		<0.001				<0.001					<0.001							0.023				0.021
	EC (field)	µS/cm		8,982	10,440	9,640	11,020	9,700	10,040	9,570	9,480	7,377	12,038	4,837	10,400	9,943	9,489	9,363	9,203	9,742	9,568	9,995	8,011	10,663
	Ethylbenzene	µg/L		<2				<2					<2							<1				<1
	Fluoride	mg/L		0.2				0.2		0.2	0.2		0.1							0.1				0.1
	Lead (filtered)	mg/L		<0.001				<0.001					<0.001							0.002				0.001
	Magnesium (filtered)	mg/L		189	202	159	214	203	199	203	185	195	217	194	190	210	200	180	190	210	200	190	190	200
	Manganese (filtered)	mg/L		0.034				0.041					0.405							0.15				0.066
	Mercury (filtered)	mg/L		<0.0001				<0.0001					<0.0001							<0.00005				<0.00005
	Nitrogen (Total Oxidised)	mg/L		<0.01	10.6	0.06	6.72	5.03	2.78	3.2	1.67	1.44	0.32	0.21	2.112					3.806	4.9	4.6	7.4	7.6
	Ammonia	mg/L		<0.01	0.1	9.95	0.04	0.03	0.06	0.31	0.19	0.06	0.24	0.26	0.27	0.14	0.33	0.47	0.34	0.40	0.21	0.18	0.066	0.28
	pH (field)	-		6.95	7.65	6.85	7.53	7.1	6.94	7.57	7.12	6.86	7.26	7.26	6.91	6.85	7.13	7.95	7.2	7.23	6.93	7.40	7.19	7.03
	Phenolics Total	µg/L																		<0.05				<50
	Phosphorus	mg/L		<0.01				<0.01					<0.01							0.5				0.1
	Potassium (filtered)	mg/L		19	19	39	18	19	18	18	16	24	18	17	21	24	21	21	18	19	21	19	20	18
	Redox Potential (Field)	mV		27.6	-17.6	-28.4	-20.1	-39.2	-32.1	-68.7	-58.8	86.5	-19	147	-44	27.4	-768	66.7	99.3	-44.4	-5.7	63.9	123.9	101.5
	Sodium (filtered)	mg/L		1,900	1,980	3,350	2,190	2,050	1,940	2,000	1,960	1,830	2,160	1,840	2,500	4,700	2,600	2,000	2,100	1,900	1,900	1,900	1,800	2,100
	Sulphate	mg/L		447	475	<1	426	388	381	355	397	410	363	374	350	360	360	350	350	410	400	370	360	340
	Toluene	µg/L		<2				<2					<2							<1				9
	TOC	mg/L		<1				1					4							21				17
	Xylene Total	µg/L		<2				<2					<2											
	Xylene (m & p)	µg/L		<2				<2					<2							<2				3
	Xylene (o)	µg/L																		<1				<1
	Zinc (filtered)	mg/L			0.013				0.011				0.008							0.048				0.12
	C10-C14	µg/L		<50				<50					<50											<50
	C10-C16	mg/L		<0.1				<0.1					<0.1						<0.05					<0.05
	C15-C28	µg/L		<100				<100					<100											<100
	C16-C34	mg/L		<0.1				<0.1					<0.1						<0.1					<0.1
	C29-C36	µg/L		<50				<50					<50											<100
	C34-C40	mg/L		<0.1				<0.1					<0.1						<0.1					<0.1
	C6-C10	mg/L		<0.02				<0.02					<0.02						<0.01					0.016
	C6-C9	µg/L		<20				<20					<20						<10					15
	F2 minus Naphthalene	mg/L		<0.1				<0.1					<0.1						<0.05					<0.05
	C10-C40 (Sum of total)	µg/L		<100				<100					<100											
	+C10-C36 (Sum of total)	µg/L		<50				<50					<50											

insufficient water to sample

