

**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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BH41	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	573	1,060	853	538	446	466	512	448	527	209	516	522	520	540	490	460			420	490	400	450	460	
	Aluminium (filtered)	mg/L			<0.01				<0.01				0.01				<0.01					0.01				
	Arsenic (filtered)	mg/L			<0.001				0.003				0.001				0.002					0.004				
	Barium (filtered)	mg/L			0.033				63.5				74.9				56					61				
	Benzene	µg/L			<1				2				<1				2					4				
	Cadmium (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.0001					0.0001				
	Calcium (filtered)	mg/L	350	94	96	362	211	356	341	352	352	16	331	273	220	210	190	180			190	210	130	120	160	
	Chloride	mg/L	4,980	748	228	6,180	3,580	5,860	6,210	6,460	5,590	55	6,100	6,520	6,200	6,400	4,400	4,500			4,800	6,100	2,800	3,200	6,100	
	Chromium (III+VI) (filtered)	mg/L			<0.001				<0.001				0.001				0.007					0.009				
	Copper (filtered)	mg/L			0.017				0.002				0.004				0.002					0.005				
	EC (field)	uS/cm	15,820	15,110	5,880	17,880	5,790	18,120	19,350	17,200	17,060	17,870	25,195	6,463	18,170	17,309	17,000	13,171			14,000	14,891	7,456	9,700	10,735	
	Ethylbenzene	µg/L			<2				<2				<2				<1					<1				
	Fluoride	mg/L		0.2	0.4			0.2	0.2		0.2	1	0.2	0.2			0.2					0.2				
	Lead (filtered)	mg/L			<0.001				<0.001				<0.001				0.003					<0.001				
	Magnesium (filtered)	mg/L	178	164	102	191	107	176	178	173	191	11	179	171	180	180	150	140			150	180	88	81	130	
	Manganese (filtered)	mg/L			0.002				0.256				0.23				0.27					0.28				
	Mercury (filtered)	mg/L			<0.0001				<0.0001				<0.0001				<0.00005					<0.00005				
	Nitrogen (Total Oxidised)	mg/L	0.02	0.56	29.2	0.04	75.1	<0.01	<0.01	<0.01	0.01	1.13	2.7	0.15	<0.005		0.566	<0.025			<0.005	0.02	0.03	0.03	<0.005	
	Ammonia	mg/L	8.58	0.02	<0.01	8.26	6.83	5.44	8.98	9.04	9.44	0.01	8.56	9.04	10	8.6	7.7	8.1			8.4	9.2	32	32	10	
	pH (Field)	-	6.76	6.69	8.19	6.6	8.13	7.15	6.97	7.19	6.92	7.03	7.53	7.21	6.91	6.84	7	6.88			6.9	7.04	8.53	6.3	6.38	
	Phenolics Total	µg/L			<0.01				<0.05								<0.05					<0.05				
	Phosphorus	mg/L			2	53	27	49	50	50	41	3	46	46	57	66	53	44				42	52	30	37	38
	Potassium (filtered)	mg/L	48	9	2				4				2				64					NT	-107.7	-140.5	-8.5	
	Redox Potential (Field)	mV	-24	-22.3	-83.2	-14.9	-88.8	-42.7	-33.6	-45.8	-48.8	-42.7	-78.4	-78.6	51	-84.1	167	-178			2,500	3,100	2,100	1,500	2,300	
	Sodium (filtered)	mg/L	3,480	1,000	598	3,790	2,110	3,500	3,470	3,460	3,670	105	3,480	3,460	4,900	4,900	3,700	2,900			2	3	6	<1	<1	
	Sulphate	mg/L	<10	672	771	<10	<1	<1	<1	2	<1	37	<1	8	3	<1	11	<1								
	Toluene	µg/L			<2				<2				<2				3					5				
	TOC	mg/L			31				4				2				64					28				
	Xylene Total	µg/L			<2				<2				<2				<1					<2				
	Xylene (m & p)	µg/L			<2				<2				<2				<1					<1				
	Xylene (o)	µg/L															<1					<1				
	Zinc (filtered)	mg/L			0.014				0.042				0.045				0.052					0.056				
	TPH																									
	C10-C14	µg/L			<50				<50				100				160					1,200				
	C10-C16	mg/L			<0.1				<0.1				<0.1				0.19					1.2				
	C15-C28	µg/L			<100				<100				<100				<100					320				
	C16-C34	mg/L			<0.1				<0.1				<0.1				<0.1					1.3				
	C29-C36	µg/L			<50				<50				<50				<100					1,400				
	C34-C40	mg/L			<0.1				<0.1				<0.1				<0.1					0.57				
	C6-C10	mg/L			<0.02				<0.02				<0.02				0.02					<0.01				
	C6-C9	µg/L			<20				<20				<20				20					<10				
	F2 minus Naphthalene	mg/L			<0.1				<0.1				<0.1				0.19					1.2				
	C10-C40 (Sum of total)	µg/L			<100				<100				<100													
	<C10-C36 (Sum of total)	µg/L			<50				<50				100													

DRY WELL

