

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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BH10d/BH25d	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	349	506		310	326	296	335	303	341	345	331	350	340	350	380	460	390	450	310	350	370	360
	Aluminium (filtered)	mg/L						0.02					0.02				0.01				5.4			
	Arsenic (filtered)	mg/L						<0.001					<0.001				<0.001				0.002			
	Barium (filtered)	mg/L						0.331					0.341				0.28				0.21			
	Benzene	µg/L						<1					<1				<1				<1			
	Cadmium (filtered)	mg/L						<0.0001					<0.0001				<0.0001				<0.0001			
	Calcium (filtered)	mg/L	5	8		4	3	6	7	4	8		10	10	10	13	16	35	57	140	130	97	110	110
	Chloride	mg/L	116	3,290		75	77	102	67	65	67	70	70	82	81	80	64	72	68	84	51	67	54	63
	Chromium (III+VI) (filtered)	mg/L						<0.001					<0.001				<0.001				0.009			
	Copper (filtered)	mg/L						<0.001					<0.001				<0.001				0.006			
	EC (field)	uS/cm	1,047			810	3,960	6,980	800	3,250	862	1,329	1,845	1,043	897	3,945	834	950	1,335	1,036	966	1,034	917	
	Ethylbenzene	µg/L						<2				<2				<1				<1				
	Fluoride	mg/L		<0.1				1.1		1.2	1.1	1.1	1.1			1					0.7			
	Lead (filtered)	mg/L						<0.001					<0.001			<0.001					0.017			
	Magnesium (filtered)	mg/L	3	28		1	<1	2	2	1	1	1	2	2	1.9	1.9	2	2.8	5.9	8.4	10	6.6	6.7	6.8
	Manganese (filtered)	mg/L						0.015					0.032			0.11					0.67			
	Mercury (filtered)	mg/L											<0.0001			0.00005					<0.00005			
	Nitrogen (Total Oxidised)	mg/L	<0.01	<0.01		0.07	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.008	<0.008	<0.005	0.016	<0.005	0.02	<0.005	<0.005	<0.005
	Ammonia	mg/L	0.46	15.5		1.11	1.19	1.34	1.38	1.41	1.36	1.36	1.34	1.47	1.2	1.4	1.4	1	1.7	1.5	1.1	2.4	2.6	3.9
	pH (Field)		8.33			8.37	8.77	8.12	7.97	9.07	8.26	7.78	8	8.7	7.99	7.94	8.02	8.36	8.1	7.91	8.49	7.94	8.05	7.94
	Phenolics Total	µg/L						<0.05					<0.05			<0.05				<0.05				
	Phosphorus	mg/L						0.04					<0.01			0.2					0.4			
	Potassium (filtered)	mg/L	12	103		8	8	9	8	8	8	8	8	9.5	9.7	9.2	8.6	11	13	11	9.5	9.1	9.9	
	Redox Potential (Field)	mV	-18.3			-117.5	-132	-101.4	-93	-155.7	-127.3	-13.8	-7.6	-132.8	-115	-111.7	167.1	-180.7	-246.8	-212.7	-255.8	-251.4	-218.7	
	Sodium (filtered)	mg/L	231	2,190		187	189	204	189	188	165	180	187	189	230	180	220	160	170	180	120	110	83	85
	Sulphate	mg/L	29	116		18	17	18	17	17	14	18	17	15	17	18	17	39	20	220	120	97	110	81
	Toluene	µg/L						<2				<2				2					<1			
	TOC	mg/L						7				6				8					29			
	Xylene Total	µg/L						<2				<2				<1								
	Xylene (m & p)	µg/L						<2				<2				<2					<2			
	Zinc (filtered)	mg/L						<0.005				0.006				0.002					0.22			
	C10-C14	µg/L						<50				<50				<50					490			
	C10-C16	mg/L						<0.1				<0.1				<0.05					0.48			
	C15-C28	µg/L						<100				<100				<100					300			
	C16-C34	mg/L						<0.1				<0.1				<0.1					0.28			
	C29-C36	µg/L						<50				<50				<100					350			
	C34-C40	mg/L						<0.1				<0.1				<0.1					0.19			
	C6-C10	mg/L						<0.02				<0.02				<0.01					<0.01			
	C6-C9	µg/L						<20				<20				<10					<10			
	F2 minus Naphthalene	mg/L						<0.1				<0.1				<0.05					0.48			
	C10-C40 (Sum of total)	µg/L						<100				<100												
	+C10-C36 (Sum of total)	µg/L						<50				<50												

Sampling point covered

