

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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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						
*C10 - C14	µg/L							<50					<50					<50						490						
*C15 - C28	µg/L							<100					<100					<100						300						
*C29 - C36	µg/L							<50					<50					<100						350						
*C6 - C9	µg/L							<20					<20					<10						<10						
*meta & para-Xylene	µg/L							<2					<2					<2						<2						
*Naphthalene	µg/L							<5					<5					<1						<1						
*Nitrate	mg/L		<0.01					-	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.008	<0.005	<0.005	0.01	<0.005			0.02	<0.005	<0.005	<0.005				
*Nitrite	mg/L		<0.01					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005			0.006	<0.005	<0.005	<0.005				
*ortho-Xylene	µg/L							<2					<2					<1					<1							
Alkalinity	mg/L		349					310	326	296		303	341	345			331	350	340	350			380	460	390	450	310	350	370	360
Aluminium	mg/L							0.02					0.02					0.01					0.01				5.4			
Arsenic	mg/L							<0.001					<0.001					<0.001					0.002							
Barium	mg/L							0.331					0.341					0.28					0.21							
Benzene	µg/L							<1					<1					<1					<1							
Cadmium	mg/L							<0.0001					<0.0001					<0.0001					<0.0001							
Calcium	mg/L		5					4	3	6		7	4	8	5		10	10	10	13		16	35	57	140	130	97	110	110	
Chloride	mg/L		116					75	77	102		67	65	67	70		70	82	81	80		64	72	68	84	51	67	54	63	
Chromium	mg/L							<0.001					<0.001					<0.001					0.009							
Copper	mg/L							<0.001					<0.001					<0.001					0.006							
Electrical Conductivity	µS/cm		1047					810	3960	6980		10830	800	3250	862		1329	1845	1043	897		3945	834	950	1335	1036	966	1034	917	
Ethyl Benzene	µg/L							<2					<2					<1					<1							
Fluoride	mg/L		0.8					1.1					1.1	1.1				1					0.7							
Lead	mg/L							<0.001					<0.001					<0.001					0.017							
Magnesium	mg/L		3					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	mg/L							0.015					0.032					0.11					0.67							
Mercury	mg/L							<0.0001					<0.0001					<0.00005					<0.00005							
Nitrate + nitrite	mg/L		<0.01					0.07	<0.01	0.05		<0.01	<0.01	<0.01	<0.01		<0.01	0.01	0.03	0.008		<0.005	<0.005	0.016	<0.005	0.02	<0.005	<0.005	<0.005	
Nitrogen (ammonia)	mg/L		0.46					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			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	
Phenols	µg/L							<0.05					<0.05					<1.0					<0.05							
Phosphorus	mg/L							0.04					0.04					<0.01					0.2							
Potassium	mg/L		12					8	8	9		8	8	8	8		8	8	9.5	97		9.2	8.6	11	13	11	9.5	9.1	9.9	
Redox	mV		-18.3					-117.5	-132	-101.4		-93	-155.7	-127	-13.8		-7.6	-132.8	-115	-111.7		167.1	-180.7	NR	-246.8	-212.7	-255.8	-251.4	-218.7	
Sodium	mg/L		231					187	189	204		189	188	165	180		187	189	230	180		220	160	170	180	120	110	83	85	
Standing water level	m AHD		56.947					41.266	45.61	45.02		43.851	42.388	41.33	40.772		40.101	39.157	33.34	31.669		32.149	37.969	37.91	44.26	58.99	62.82	63.95	66.54	
Sulphate	mg/L		29					18	17	18		17	17	14	18		17	15	17	18		17	39	20	220	120	97	110	81	
Toluene	µg/L							<2					<2					<1					<1							
Total organic carbon	mg/L							7					7				6					8					29			
Total Petroleum Hydrocarbons	µg/L							<50					<50					<50					<100			1140				
Xylene	µg/L							<2					<2					<2					<1			<2				
Zinc	mg/L							<0.005					<0.005					0.006					0.002				0.22			

it did not exist

well covered unable to sample