

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						0.07						<0.01	0.01	0.03	0.008		<0.005	<0.005	0.01		<0.005		0.02			
*Nitrite	mg/L	<0.01						<0.01						<0.01	<0.01	<0.005	<0.005		<0.005	<0.005	0.006		<0.005		0.006			
*ortho-Xylene	µg/L							<2						<2						<1					<1			
Alkalinity	mg/L	349						310	326	296				331	350	340	350		380	460	390		450		310			
Aluminium	mg/L							0.02						0.02					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
Chloride	mg/L	116						75	77	102				67	65	67	70		70	82	81	80		64	72	68	84	51
Chromium	mg/L							<0.001						<0.001					<0.001					<0.001				0.009
Copper	mg/L							<0.001						<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
Ethyl Benzene	µg/L							<2						<2					<1					<1				<1
Fluoride	mg/L	0.8						1.1						1.1	1.1				1					1				0.7
Lead	mg/L							<0.001						<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
Manganese	mg/L							0.015						0.032					0.11					0.11				0.67
Mercury	mg/L							<0.0001						<0.0001					<0.00005					<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
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
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
Phenols	µg/L							<0.05						<0.05					<1.0					<50				<0.05
Phosphorus	mg/L							0.04						0.04					<0.01					0.2				0.4
Potassium	mg/L	12						8	8	9				8	8	8	8		8	8	9.5	97		9.2	8.6	11	13	11
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
Sodium	mg/L	231						187	189	204				189	188	165	180		187	189	230	180		220	160	170	180	120
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
Sulphate	mg/L	29						18	17	18				17	17	14	18		17	15	17	18		17	39	20	220	120
Toluene	µg/L							<2						<2					<1					<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