

**Dial A Dump (EC) Pty Ltd
Groundwater Monitoring**



Licensee: Dial-A-Dump (EC) Pty Ltd EPL Nos.: 13426 and 20121
Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek

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BH25d	Pollutant	Units	2015		2016				2017				2018			
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
*C10 - C14		µg/L							<50				<50			
*C15 - C28		µg/L							<100				<100			
*C29 - C36		µg/L							<50				<50			
*C6 - C9		µg/L							<20				<20			
*meta & para-Xylene		µg/L							<2				<2			
*Naphthalene		µg/L							<5				<5			
*Nitrate		mg/L	<0.01		0.07			-	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03	
*Nitrite		mg/L	<0.01		<0.01			-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	
*ortho-Xylene		µg/L							<2				<2			
Alkalinity		mg/L	349		310	326	296	335	303	341	345	331	350	340		
Aluminium		mg/L						0.02				0.02				
Arsenic		mg/L						<0.001				<0.001				
Barium		mg/L						0.331				0.341				
Benzene		µg/L						<1				<1				
Cadmium		mg/L						<0.0001				<0.0001				
Calcium		mg/L	5		4	3	6	7	4	8	5	10	10	10		
Chloride		mg/L	116		75	77	102	67	65	67	70	70	82	81		
Chromium		mg/L						<0.001				<0.001				
Copper		mg/L						<0.001				<0.001				
Electrical Conductivity		µS/cm	1047		810	3960	6980	10830	800	3250	862	1329	1845	1043		
Ethyl Benzene		µg/L						<2				<2				
Fluoride		mg/L	0.8					1.1				1.1	1.1			
Lead		mg/L						<0.001				<0.001				
Magnesium		mg/L	3		1	<1	2	2	1	1	1	2	2	1.9		
Manganese		mg/L						0.015				0.032				
Mercury		mg/L										<0.0001				
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		
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		
pH			8.33		8.37	8.77	8.12	7.97	9.07	8.26	7.78	8	8.7	7.99		
Phenols		µg/L						<0.05				<1.0				
Phosphorus		mg/L						0.04				<0.01				
Potassium		mg/L	12		8	8	9	8	8	8	8	8	8	9.5		
Redox		mV	-18.3		-117.5	-132	-101.4	-93	-155.7	-127.3	-13.8	-7.6	-132.8	-115		
Sodium		mg/L	231		187	189	204	189	188	165	180	187	189	230		
Standing water level		m AHD	56.95		41.266	45.613	45.023	43.851	42.388	41.33	40.772	40.101	39.157	33.34		
Sulphate		mg/L	29		18	17	18	17	17	14	18	17	15	17		
Toluene		µg/L						<2				<2				
Total organic carbon		mg/L						7				6				
Total Petroleum Hydrocarbons		µg/L						<50				<50				
Xylene		µg/L						<2				<2				
Zinc		mg/L						<0.005				0.006				

it did not exist

well covered unable to sample