

Quarterly Groundwater Results

Environment Protection Licence 5897 - Condition M2 - Water Monitoring Grab Samples

Newcastle City Council - Summerhill Waste Management Centre
141 Minmi Road, Wallsend, NSW

Parameter	NCC ID		GW33	GW34	GW35	GW42	GW46	GW48	GW49	GW51
	EPL ID		33	34	35	42	46	48	49	51
	Units	LOR								
Calcium	mg/L	1	360	96	246	71	65	47	9	10
Chloride	mg/L	1	1630	2320	4160	242	3000	112	672	234
Electrical Conductivity	µS/cm	1	10200	8340	13600	2970	10600	1330	3760	2090
Iron	mg/L	0.05	61.5	1.06	<0.05	2.23	<0.05	0.43	0.17	0.82
Lead	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	1	507	108	177	71	161	34	52	26
Nitrate as N	mg/L	0.01	0.16	<0.01	17.9	<0.01	0.06	<0.01	<0.01	<0.01
pH Value	pH Unit	0.01	5.49	5.77	6.97	6.64	6.22	6	5.89	6.3
Potassium	mg/L	1	34	18	14	14	32	6	14	9
Sodium	mg/L	1	1250	1410	2260	470	1830	184	646	364
Sulfate	mg/L	1	3380	390	390	594	536	150	609	408
Total Alkalinity as CaCO ₃	mg/L	1	178	460	651	602	414	370	180	341
Total Dissolved Solids	mg/L	10	6770	4340	6800	1880	5690	878	2220	1160
Total Organic Carbon	mg/L	1	6	6	9	10	5	7	9	5
Standing Water Level	mAHD	0.01	24.25	26.78	6.20	35.71	22.04	35.02	36.77	35.45

Notes:

NCC = Newcastle City Council

EPL = Environment Protection Licence

LOR = limit of reporting

mAHD = metres above Australian Height Datum

Results preceded by < indicate that the results were below the limit of detection for that analysis

Date sampled: 23-25 & 29/04/2018

Data obtained: 17/05/2018

Date published: 28/05/2018

NR = no result (non-compliant sample, insufficient water to sample etc)
EPL Monitoring points 31 & 32 were not sampled for safety reasons

A copy of the Environmental Protection Licence can be viewed at: <http://app.epa.nsw.gov.au/prpoeoapp/>

A map showing the location of monitoring points can be viewed at: <http://www.newcastle.nsw.gov.au/Living/Waste-recycling/Summerhill-Waste-management-Centre/Environmental-Monitoring-Data>