

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	355	61	246	57	63	47	9	12
Chloride	mg/L	1	1650	1960	4050	190	2970	118	637	232
Electrical Conductivity	µS/cm	1	10100	7240	13500	2760	10500	1340	3740	2030
Iron	mg/L	0.05	67.8	5.29	<0.05	1.54	0.22	0.58	0.23	1.21
Lead	mg/L	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	1	477	92	175	59	154	34	51	25
Nitrate as N	mg/L	0.01	<0.05	<0.01	20.0	<0.01	0.06	<0.01	<0.01	<0.01
pH Value	pH Unit	0.01	5.40	5.66	6.98	5.99	5.77	6.45	5.40	6.34
Potassium	mg/L	1	33	19	12	14	30	5	14	8
Sodium	mg/L	1	1250	1220	2170	436	1760	188	640	348
Sulfate	mg/L	1	3400	290	334	552	536	139	608	337
Total Alkalinity as CaCO ₃	mg/L	1	174	329	633	623	385	358	199	311
Total Dissolved Solids	mg/L	10	8280	3970	7850	1580	5990	786	2600	1050
Total Organic Carbon	mg/L	1	7	9	10	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: 24 & 25/10/2018

Final data obtained: 21/11/2018

Date published: 21/11/2018

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>