

Quarterly Groundwater Results

Environment Protection Licence 5897 - Condition M2

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
Parameter	Units	LOR								
Ammonia	mg/L	0.01	1.28	1.73	0.13	0.23	0.11	0.06	0.06	0.14
Arsenic	mg/L	0.001	0.002	0.003	<0.001	0.013	<0.001	<0.001	<0.001	0.004
Beryllium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Biochemical Oxygen Demand	mg/L	2	7	<2	4	<2	<2	<2	<2	<2
Calcium	mg/L	1	359	165	250	86	68	54	8	12
Chloride	mg/L	1	1670	2940	4180	422	3010	123	615	271
Electrical Conductivity	µS/cm	1	9820	9710	13400	3430	9850	1420	3490	2020
Iron	mg/L	0.05	68	14.1	<0.05	5.35	0.44	0.45	0.14	1.23
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	518	162	179	83	170	39	50	30
Nitrate as N	mg/L	0.01	0.17	<0.01	16.6	0.08	0.33	<0.01	0.09	<0.01
pH Value	pH Unit	0.01	5.48	6.42	6.98	6.49	6.08	6.7	5.82	6.34
Potassium	mg/L	1	34	20	15	16	33	6	14	10
Sodium	mg/L	1	1230	1880	2330	534	1900	206	656	374
Sulfate	mg/L	1	3220	344	313	869	502	122	668	332
Total Alkalinity as CaCO ₃	mg/L	1	180	790	668	492	479	487	200	302
Total Dissolved Solids	mg/L	10	8030	5970	7940	2220	5520	859	2280	1080
Total Organic Carbon	mg/L	1	3	6	7	8	6	5	8	5
Standing Water Level	mAHD	0.01	24.27	27.00	6.30	35.36	22.01	34.77	36.92	35.36

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

NR = no result (non-compliant sample, insufficient water to sample etc)

EPL Monitoring points 31 & 32 were not sampled for safety reasons

Date sampled: 23-25 & 29/01/2018

Data obtained: 21/02/2018

Date published: 26/02/2018

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>