

City of Newcastle - Summerhill Waste Management Centre

141 Minmi Road, Wallsend, NSW

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

Parameter	CN ID		GW33	GW34	GW35	GW42	GW46	GW48	GW49	GW51
	Units	LOR	33	34	35	42	46	48	49	51
Ammonia	mg/L	0.01	0.75	0.46	<0.01	NR	0.03	0.05	0.05	1.96
Calcium	mg/L	1	398	127	278	NR	62	47	10	14
Chloride	mg/L	1	1860	2740	4410	NR	3140	92	625	238
Electrical Conductivity	µS/cm	1	11000	9020	12800	NR	10300	1140	3070	1930
Iron	mg/L	0.05	53.5	0.24	<0.05	NR	<0.05	0.24	<0.05	0.73
Lead	mg/L	0.001	<0.001	<0.001	<0.001	NR	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	1	562	151	193	NR	159	36	48	29
Nitrate as N	mg/L	0.01	<0.10	0.33	14.8	NR	0.37	0.08	0.02	0.42
pH Value	pH Unit	0.01	6.01	6.67	6.90	NR	6.72	6.54	5.94	6.34
Potassium	mg/L	1	39	23	16	NR	34	6	15	11
Sodium	mg/L	1	1330	1620	2420	NR	1810	185	644	367
Sulfate	mg/L	1	3630	452	306	NR	598	129	678	338
Total Alkalinity as CaCO ₃	mg/L	1	96	434	615	NR	363	354	212	364
Total Dissolved Solids	mg/L	10	8770	4710	8890	NR	5890	786	2190	1300
Total Organic Carbon	mg/L	1	4	10	4	NR	7	5	15	18
Standing Water Level	mAHD	0.01	24.37	28.04	6.61	NR	22.22	36.22	37.21	36.07

Notes:

CN = City of Newcastle

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, and monitoring point 42 is damaged

Date sampled: 8 March 2022

Final data obtained: 18 March 2022

Date published: 20 April 2022

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>