

### 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
	EPL ID		33	34	35	42	46	48	49	51
	Units	LOR								
Ammonia	mg/L	0.01	0.80	0.09	0.40	NR	<0.01	0.02	0.04	0.26
Calcium	mg/L	1	422	80	280	NR	59	46	11	11
Chloride	mg/L	1	1840	2060	4330	NR	2820	89	569	237
Electrical Conductivity	µS/cm	1	10500	7470	13200	NR	9810	1150	3180	1780
Iron	mg/L	0.05	50.6	0.16	0.18	NR	<0.05	0.36	0.12	0.31
Lead	mg/L	0.001	<0.001	<0.001	<0.001	NR	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	1	610	111	204	NR	155	36	46	26
Nitrate as N	mg/L	0.01	<0.10	0.19	19.5	NR	0.49	0.09	0.02	0.03
pH Value	pH Unit	0.01	5.98	6.83	7.09	NR	6.82	6.69	6.16	6.87
Potassium	mg/L	1	39	23	28	NR	34	6	15	10
Sodium	mg/L	1	1410	1320	2550	NR	1810	166	661	378
Sulfate	mg/L	1	3520	374	338	NR	544	142	592	362
Total Alkalinity as CaCO <sub>3</sub>	mg/L	1	87	343	663	NR	352	142	284	286
Total Dissolved Solids	mg/L	10	8840	4410	8040	NR	6010	687	2040	3070
Total Organic Carbon	mg/L	1	3.4	11	29.2	NR	8	10	11.3	6.3
Standing Water Level	mAHD	0.01	27.40	28.14	6.54	NR	22.51	36.92	37.72	36.58

**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

EPL Monitoring point 42 was not sampled as well is damaged

Date sampled: 15 and 16 June 2022

Final data obtained: 24 June 2022

Date published: 15 July 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>