

Surface Water Results

March 2023



City of Newcastle - Summerhill Waste Management Centre

141 Minmi Road, Wallsend, NSW

Environment Protection License 5897 - Condition M2 – Special Frequency 1 (Daily during discharge)

Monthly rainfall = 27.8mm

Purpose of Sampling		SW57	SW57	SW57
CN ID	EPL ID	01/03/2024	02/03/2024	03/03/2024
Parameter:		pH (pH unit)		
SW55	55	N/A	N/A	N/A
SW56	56	N/A	N/A	N/A
SW57	57	7.29	7.02	7.24
SW58a	61	N/A	N/A	N/A
SW59	66	N/A	N/A	N/A
Parameter:		Electrical Conductivity (µS/cm)		
SW55	55	N/A	N/A	N/A
SW56	56	N/A	N/A	N/A
SW57	57	263	263	258
SW58a	61	N/A	N/A	N/A
SW59	66	N/A	N/A	N/A
Parameter:		Suspended Solids (mg/L)		
SW55	55	N/A	N/A	N/A
SW56	56	N/A	N/A	N/A
SW57	57	8	6	8
SW58a	61	N/A	N/A	N/A
SW59	66	N/A	N/A	N/A
Parameter:		Ammonia (mg/L)		
SW55	55	N/A	N/A	N/A
SW56	56	N/A	N/A	N/A
SW57	57	<0.05	<0.05	<0.05
SW58a	61	N/A	N/A	N/A
SW59	66	N/A	N/A	N/A
Parameter:		Biological Oxygen Demand (mg/L)		
SW55	55	N/A	N/A	N/A
SW56	56	N/A	N/A	N/A
SW57	57	6	14	3
SW58a	61	N/A	N/A	N/A
SW59	66	N/A	N/A	N/A

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Environment Protection Licence 5897 - Condition M2 – SF1 and SF2 Sampling

	CN ID		SW55	SW56	SW57	SW58a	SW59
	EPL ID		55	56	57	61	66
DATE			28/03/24	28/03/24	28/03/24	28/03/24	28/03/24
Parameter	Units	LOR				Site Dry	
Alkalinity (as calcium carbonate)	mg/L	1	211	134	90	-	191
Aluminium	mg/L	0.01	0.14	0.76	41.5	-	1.23
Ammonia	mg/L	0.05	<0.05	<0.05	0.29	-	<0.05
Copper	mg/L	0.001	0.002	0.003	0.056	-	0.003
Biological Oxygen Demand	mg/L	2	8	10	5	-	7
Electrical Conductivity	uS/cm	10	1100	1580	306	-	1490
Iron	mg/L	0.05	1.00	1.37	137	-	2.12
Lead	mg/L	0.001	0.001	0.003	0.117	-	0.002
Nitrate as N	mg/L	0.05	<0.05	<0.05	<0.05	-	<0.05
Organochlorine Pesticides	mg/L	0.0005	<0.5	<0.5	<0.5	-	<0.5
Organophosphate Pesticides	mg/L	0.0005	<0.5	<0.5	<0.5	-	<0.5
pH	pH Units	0.01	7.59	8.41	7.10	-	8.23
Total Suspended Solids	mg/L	5	46	67	475	-	76
Zinc	mg/L	0.005	0.022	0.009	1.12	-	0.012

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Final data obtained: 12/04/24

Date published: 18/05/24

Notes:

CN = City of Newcastle

EPL = Environment Protection Licence

NR = no result (non-compliant sample, water body dry etc)

NA = Not applicable, sample not required

1. Water body not discharging from site

2. SW58a located in Wentworth Creek and impacted by other catchment activities.

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:

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<https://www.newcastle.nsw.gov.au/Living/Waste-and-recycling/Summerhill-Waste-management-Centre/Environmental-Monitoring>