Surface Water Results
August 2020

City of Newcastle

City of Newcastle - Summerhill Waste Management Centre

141 Minmi Road, Wallsend, NSW

Environment Protection Licence 5897 - Condition M2

Monthly rainfall = 43.2mm

Purpose of Sampling		SW57 and SW59	SW57 and SW59	SW57 and SW59
CN ID	**EPL ID**	1/8/2020	2/8/2020	3/8/2020
Parameter:			**pH (pH unit)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	6.83	6.7	6.69
SW58a	**61**	7.0[2]	7.1[2]	7.2[2]
SW59	**66**	6.98	7.08	7.02
Parameter:			**Electrical Conductivity (µS/cm)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	224	212	218
SW58a	**61**	636[2]	630[2]	611[2]
SW59	**66**	768	839	819
Parameter:			**Suspended Solids (mg/L)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	170	262	229
SW58a	**61**	175[2]	104[2]	85[2]
SW59	**66**	359	326	308
Parameter:			**Ammonia (mg/L)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	0.05	0.03	0.04
SW58a	**61**	0.23[2]	0.22[2]	0.23[2]
SW59	**66**	<0.01	<0.01	<0.01
Parameter:			**Biological Oxygen Demand (mg/L)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	2	<2	<2
SW58a	**61**	13[2]	12[2]	10[2]
SW59	**66**	2	<2	<2

Surface Water Results August 2020

Purpose of Sampling		SW57 and SW59	SW57, SW59 and SW56	SW57,SW59 and SW56
CN ID	**EPL ID**	4/8/2020	5/8/2020	6/8/2020
Parameter:			**pH (pH unit)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	6.9	7
SW57	**57**	7.39	6.64	6.72
SW58a	**61**	7.1[2]	7.5[2]	7.3[2]
SW59	**66**	7.12	5.59	7.04
Parameter:			**Electrical Conductivity (µS/cm)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	518	498
SW57	**57**	198	220	238
SW58a	**61**	540[2]	522[2]	543[2]
SW59	**66**	799	897	813
Parameter:			**Suspended Solids (mg/L)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	92	120
SW57	**57**	74	170	169
SW58a	**61**	64[2]	102[2]	86[2]
SW59	**66**	292	286	278
Parameter:			**Ammonia (mg/L)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	0.98	0.42
SW57	**57**	0.07	0.05	0.06
SW58a	**61**	0.21[2]	0.58[2]	0.47[2]
SW59	**66**	<0.01	0.09	<0.01
Parameter:			**Biological Oxygen Demand (mg/L)**	
SW55	**55**	NA	NA	NA
SW56	**56**	NA	31	29
SW57	**57**	2	2	3
SW58a	**61**	16[2]	18[2]	14[2]
SW59	**66**	<2	2	3

Surface Water Results August 2020

Purpose of Sampling		SW57, SW59, and SW56	SW57 and SW59	SW57 and SW59
CN ID	**EPL ID**	7/8/2020	8/8/2020	9/8/2020
Parameter:		**pH (pH unit)**		
SW55	**55**	NA	NA	NA
SW56	**56**	6.9	NA	NA
SW57	**57**	6.61	6.64	6.85
SW58a	**61**	7.2[2]	7.53[2]	7.63[2]
SW59	**66**	7.04	7.07	7.21
Parameter:		**Electrical Conductivity (µS/cm)**		
SW55	**55**	NA	NA	NA
SW56	**56**	518	NA	NA
SW57	**57**	232	242	244
SW58a	**61**	594[2]	646[2]	670[2]
SW59	**66**	813	824	829
Parameter:		**Suspended Solids (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	106	NA	NA
SW57	**57**	268	130	125
SW58a	**61**	56[2]	39[2]	35[2]
SW59	**66**	278	234	242
Parameter:		**Ammonia (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	0.83	NA	NA
SW57	**57**	0.03	0.1	0.05
SW58a	**61**	0.35[2]	0.37[2]	0.19[2]
SW59	**66**	<0.01	0.01	0.06
Parameter:		**Biological Oxygen Demand (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	34	NA	NA
SW57	**57**	3	<2	<2
SW58a	**61**	13[2]	3[2]	<2[2]
SW59	**66**	3	<2	<2

Surface Water Results August 2020

Purpose of Sampling		SW57 and SW59	SW57 and SW59	SW57 and SW59
CN ID	**EPL ID**	10/8/2020	11/8/2020	12/8/2020
Parameter:		**pH (pH unit)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	6.71	6.66	6.65
SW58a	**61**	7.15[2]	7.28[2]	7.21[2]
SW59	**66**	7.32	7.17	7.04
Parameter:		**Electrical Conductivity (µS/cm)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	264	309	315
SW58a	**61**	396[2]	612[2]	644[2]
SW59	**66**	813	788	794
Parameter:		**Suspended Solids (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	185	90	153
SW58a	**61**	301[2]	52[2]	44[2]
SW59	**66**	218	192	172
Parameter:		**Ammonia (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	0.1	0.07	0.08
SW58a	**61**	0.05[2]	0.07[2]	0.12[2]
SW59	**66**	<0.01	<0.01	<0.01
Parameter:		**Biological Oxygen Demand (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	3	<2	3
SW58a	**61**	3[2]	2[2]	2[2]
SW59	**66**	2	2	<2

Surface Water Results August 2020

Purpose of Sampling		SW57 and SW59	SW57 and SW59	SW57 and SW59
CN ID	**EPL ID**	13/8/2020	14/8/2020	15/8/2020
Parameter:		**pH (pH unit)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	6.65	6.73	6.63
SW58a	**61**	7.26[2]	7.32[2]	7.29[2]
SW59	**66**	7.16	7.16	7.23
Parameter:		**Electrical Conductivity (µS/cm)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	295	283	308
SW58a	**61**	613[2]	620[2]	634[2]
SW59	**66**	756	756	790
Parameter:		**Suspended Solids (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	92	140	139
SW58a	**61**	22[2]	29[2]	25[2]
SW59	**66**	136	134	116
Parameter:		**Ammonia (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	0.07	0.04	0.08
SW58a	**61**	0.16[2]	0.18[2]	0.14[2]
SW59	**66**	0.05	<0.01	<0.01
Parameter:		**Biological Oxygen Demand (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	6	2	<2
SW58a	**61**	5[2]	3[2]	<2[2]
SW59	**66**	3	3	<2

Surface Water Results August 2020

Purpose of Sampling		SW57 and SW59	SW57 and SW59	SW57 and SW59
CN ID	**EPL ID**	16/8/2020	17/8/2020	18/8/2020
Parameter:		**pH (pH unit)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	6.66	6.7	6.76
SW58a	**61**	7.27[2]	7.38[2]	7.24[2]
SW59	**66**	6.77	7.2	7.2
Parameter:		**Electrical Conductivity (µS/cm)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	304	296	281
SW58a	**61**	680[2]	687[2]	648[2]
SW59	**66**	825	840	817
Parameter:		**Suspended Solids (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	154	223	43
SW58a	**61**	27[2]	32[2]	12[2]
SW59	**66**	142	122	106
Parameter:		**Ammonia (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	0.05	0.03	<0.01
SW58a	**61**	0.15[2]	0.17[2]	0.16[2]
SW59	**66**	<0.01	<0.01	<0.01
Parameter:		**Biological Oxygen Demand (mg/L)**		
SW55	**55**	NA	NA	NA
SW56	**56**	NA	NA	NA
SW57	**57**	2	9	2
SW58a	**61**	<2 [2]	<2[2]	3[2]
SW59	**66**	<2	<2	<2

Surface Water Results August 2020

Purpose of Sampling		SW57 and SW59
CN ID	**EPL ID**	19/8/2020
Parameter:		**pH (pH unit)**
SW55	**55**	NA
SW56	**56**	NA
SW57	**57**	6.79
SW58a	**61**	7.35[2]
SW59	**66**	7.29
Parameter:		**Electrical Conductivity (µS/cm)**
SW55	**55**	NA
SW56	**56**	NA
SW57	**57**	286
SW58a	**61**	696[2]
SW59	**66**	845
Parameter:		**Suspended Solids (mg/L)**
SW55	**55**	NA
SW56	**56**	NA
SW57	**57**	109
SW58a	**61**	24[2]
SW59	**66**	119
Parameter:		**Ammonia (mg/L)**
SW55	**55**	NA
SW56	**56**	NA
SW57	**57**	0.02
SW58a	**61**	0.19[2]
SW59	**66**	<0.01
Parameter:		**Biological Oxygen Demand (mg/L)**
SW55	**55**	NA
SW56	**56**	NA
SW57	**57**	3
SW58a	**61**	2[2]
SW59	**66**	3

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Summerhill Waste Management Centre

141 Minmi Road, Wallsend, NSW

Environment Protection Licence 5897 - Condition M2

Final data obtained: 14/9/2020
Date published: 15/9/2020

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