



## MORPETH WASTEWATER TREATMENT WORKS - APRIL MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 10693  
 Date Obtained: 1 May 2017  
 Date Published: 18 May 2017

Licensee Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

### QUALITY MONITORING

EPA Id. No. 1 Site Code 5DE1303		Site Description - Pipe from the disinfected effluent chamber to the Hunter River										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 April 2017 to 30 April 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	4	2	3	4	4	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	4200	4200	4200	4200	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	1.8	1.8	1.8	1.8	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	<0.05	<0.05	<0.05	<0.05	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Fortnightly	2	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.31	7.56	7.63	7.68	N/A	N/A	6.50 - 8.50	7.31 - 7.68	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	1.5	1.5	1.5	1.5	N/A	N/A	N/A	N/A	N/A
TKN-N	milligrams per litre	Monthly	1	1.3	1.3	1.3	1.3	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	<1	4	5	5	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 4 Site Code 5PF1000		Site Description - Pipe from the Effluent Pump Station to the Hunter River										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 April 2017 to 30 April 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Special Frequency 1	1	23	23	23	23	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Special Frequency 1	1	1500000	1500000	1500000	1500000	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	1	3.3	3.3	3.3	3.3	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Special Frequency 1	1	4.3	4.3	4.3	4.3	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	1	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Special Frequency 1	1	1.5	1.5	1.5	1.5	N/A	N/A	N/A	N/A	N/A
TKN-N	milligrams per litre	Special Frequency 1	1	7.1	7.1	7.1	7.1	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	1	64	64	64	64	N/A	N/A	N/A	N/A	N/A
pH	pH	Special Frequency 1	1	7.24	7.24	7.24	7.24	N/A	N/A	N/A	N/A	N/A