



**MORPETH WASTEWATER TREATMENT WORKS - AUGUST MONTHLY POLLUTION MONITORING SUMMARY**

Environment Protection Licence No. 10693  
 Date Obtained: 4 September 2017  
 Date Published: 18 September 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 August 2017 to 31 August 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	5	2	3	3	6	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	17	17	17	17	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	5.2	5.2	5.2	5.2	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.10	0.10	0.10	0.10	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Fortnightly	3	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	5	7.10	7.55	7.66	7.73	N/A	N/A	6.50 - 8.50	7.10 - 7.73	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	0.2	0.2	0.2	0.2	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	1	2.0	2.0	2.0	2.0	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	<1	3	3	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 August 2017 to 31 August 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	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

\*No samples were collected as no discharge occurred during the month