



MORPETH WASTEWATER TREATMENT WORKS - OCTOBER MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 10693
 Date Obtained: 1 November 2017
 Date Published: 17 November 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 October 2017 to 31 October 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	3	4	3	8	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	50	50	50	50	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	4.6	4.6	4.6	4.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.08	0.08	0.08	0.08	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	7.24	7.47	7.49	7.67	N/A	N/A	6.50 - 8.50	7.24 - 7.67	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	0.29	0.29	0.29	0.29	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	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	5	5	9	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 October 2017 to 31 October 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