



MORPETH WASTEWATER TREATMENT WORKS - JUNE MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 10693
 Date Obtained: 3 July 2017
 Date Published: 21 July 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 June 2017 to 30 June 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	2	<2	3	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	8.0	8.0	8.0	8.0	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	2	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.33	7.49	7.46	7.70	N/A	N/A	6.50 - 8.50	7.33 - 7.70	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	0.21	0.21	0.21	0.21	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	1	2.1	2.1	2.1	2.1	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	2	4	5	6	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 June 2017 to 30 June 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	96	96	96	96	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Special Frequency 1	1	1100000	1100000	1100000	1100000	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	1	12.6	12.6	12.6	12.6	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Special Frequency 1	1	2.2	2.2	2.2	2.2	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	1	16	16	16	16	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Special Frequency 1	1	2.6	2.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Special Frequency 1	1	19.7	19.7	19.7	19.7	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	1	112	112	112	112	N/A	N/A	N/A	N/A	N/A
pH	pH	Special Frequency 1	1	7.22	7.22	7.22	7.22	N/A	N/A	N/A	N/A	N/A