



MORPETH WASTEWATER TREATMENT WORKS - MARCH MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 10693
 Date Obtained: 10 April 2017
 Date Published: 20 April 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 March 2017 to 31 March 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	2	<2	3	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	5100	5100	5100	5100	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.45	0.45	0.45	0.45	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	3.6	3.6	3.6	3.6	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
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
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	5	<1	4	1	13	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	5	7.15	7.49	7.55	7.74	N/A	N/A	6.50 - 8.50	7.15 - 7.74	Yes

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 March 2017 to 31 March 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	4	<2	25	16	67	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Special Frequency 1	4	40000	1310000	1550000	2100000	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	4	2.1	6.5	7.0	10.0	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Special Frequency 1	4	<0.05	1.5	1.5	3.0	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	4	<2	21	14	53	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Special Frequency 1	4	0.51	1.3	1.4	2.1	N/A	N/A	N/A	N/A	N/A
TKN-N	milligrams per litre	Special Frequency 1	4	3.6	8.9	9.1	13.9	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	4	18	87	104	124	N/A	N/A	N/A	N/A	N/A
pH	pH	Special Frequency 1	4	7.06	7.16	7.15	7.28	N/A	N/A	N/A	N/A	N/A