



SHORTLAND WASTEWATER TREATMENT WORKS - MARCH MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1683
 Date Obtained: 7 April 2017
 Date Published: 20 April 2017

Licensee Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 20 Site Code 5SL1810		Site Description -Shortland WWTW dechlorination building										
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	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Chlorine (free residual)	milligrams per litre	Special Frequency 1	1 *	<0.1	<0.1	<0.1	<0.1	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Special Frequency 1	4	2	902	2	3600	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Special Frequency 1	4	2.8	5.2	5.6	7.0	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	4	0.06	0.37	0.31	0.81	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	4	<2	2	<2	3	N/A	N/A	N/A	N/A	N/A
pH	pH	Special Frequency 1	4	6.56	6.72	6.72	6.87	N/A	N/A	6.50 - 8.50	6.56 - 6.87	Yes
Phosphorus (total)	milligrams per litre	Special Frequency 1	4	1.2	3.3	3.9	4.3	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	4	<1	6	5	11	N/A	N/A	N/A	N/A	N/A

*Chlorine (free residual) was not analysed for the 17, 24 and 31 March due to a laboratory scheduling error.

EPA Id. No. 18 Site Code 5OV1800		Site Description -Shortland WWTW overflow										
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	Daily during any discharge	3	6	7	7	9	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Daily during any discharge	3	3500	57833	20000	150000	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Daily during any discharge	3	2.3	2.5	2.4	2.9	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any discharge	3	7.21	7.35	7.40	7.45	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Daily during any discharge	3	13	19	21	24	N/A	N/A	N/A	N/A	N/A