



SHORTLAND WASTEWATER TREATMENT WORKS - APRIL MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1683
 Date Obtained: 2 May 2017
 Date Published: 18 May 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 April 2017 to 30 April 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	3	3	5	N/A	N/A	N/A	N/A	N/A
Chlorine (free residual)	milligrams per litre	Special Frequency 1	3 *	<0.10	<0.10	<0.10	<0.10	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Special Frequency 1	4	2	2	2	3	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Special Frequency 1	4	4.6	6.9	6.0	11.2	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	4	0.85	1.2	1.2	1.5	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	4	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
pH	pH	Special Frequency 1	4	6.74	6.90	6.88	7.12	N/A	N/A	6.50 - 8.50	6.74 - 7.12	Yes
Phosphorus (total)	milligrams per litre	Special Frequency 1	4	1.8	3.6	3.3	6.1	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	4	1	10	11	16	N/A	N/A	N/A	N/A	N/A

*Chlorine (free residual) was not analysed for the 7 April 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 April 2017 to 30 April 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	4	<2	8	6	17	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Daily during any discharge	4	1800	29050	16200	82000	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Daily during any discharge	4	0.38	1.6	1.9	2.4	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any discharge	4	7.05	7.18	7.14	7.39	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Daily during any discharge	4	12	26	29	34	N/A	N/A	N/A	N/A	N/A