



## FARLEY WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 733  
 Date Obtained: 4 October 2017  
 Date Published: 19 October 2017

Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

### QUALITY MONITORING

EPA Id. No. 1 Site Code 5SL2300		Site Description - Pond No. 2 overflow into Fishery Creek												
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting <sup>^</sup>	Annual Summary 1 October 2016 to 30 September 2017										
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	micrograms per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate+Nitrite (Oxidised Nitrogen)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (Ammonia)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (Total)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>^</sup> No samples were collected or analysed as no overflow from pond 2 occurred during the reporting period.

EPA Id. No. 3 Site Code 5DE2300		Site Description - Effluent Measurement Flow meter downstream of the ultra-violet disinfection unit												
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting	Annual Summary 1 October 2016 to 30 September 2017										
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	7	5	2	25	6	N/A	N/A	N/A	N/A	Yes
Chlorophyll a	micrograms per litre	Weekly	52	<1.0	40.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100mL	Weekly	52	17	770	150	17	200	50	N/A	N/A	N/A	N/A	Yes
Nitrate+Nitrite (Oxidised Nitrogen)	milligrams per litre	Monthly	12	<0.05	5.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (Ammonia)	milligrams per litre	Weekly	52	<0.05	13.5	2.0	0.16	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (Total)	milligrams per litre	Monthly	12	1.3	9.0	8.0	3.1	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Oil and Grease	milligrams per litre	Monthly	12	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	52	7.08	7.68	N/A	N/A	6.50 - 8.50	7.29-7.57	N/A	N/A	N/A	N/A	Yes
Phosphorus (Total)	milligrams per litre	Weekly	52	0.05	2.6	0.7	0.29	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Total Suspended Solids	milligrams per litre	Weekly	52	<1	24	15	4	25	14	N/A	N/A	N/A	N/A	Yes

EPA Id. No. 4 Site Code 5OV2300		Site Description - Overflow weir from wet weather storage												
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting *	Annual Summary 1 October 2016 to 30 September 2017										
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate+Nitrite (Oxidised Nitrogen)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (Ammonia)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (Total)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\* No samples were collected or analysed as no overflow from the weir occurred during the reporting period.