



## BRANXTON WASTEWATER TREATMENT WORKS - MARCH MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1680  
Date Obtained: 7 April 2014  
Date Published: 14 April 2014

Licensee  
Hunter Water Corporation  
36 Honeysuckle Drive  
NEWCASTLE WEST NSW 2302

### QUALITY MONITORING

EPA Id. No. 1 Site Code 5SL0500		Site Description - Outlet from Farmers Reuse Storage										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2014 to 31 March 2014								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	First 24hrs then weekly	1	2	2	2	2	N/A	N/A	N/A	N/A	N/A
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	1	<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	First 24hrs then weekly	1	290	290	290	290	N/A	N/A	N/A	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	First 24hrs then weekly	1	21.9	21.9	21.9	21.9	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	1	0.09	0.09	0.09	0.09	N/A	N/A	N/A	N/A	N/A
pH	pH	First 24hrs then weekly	1	6.22	6.22	6.22	6.22	N/A	N/A	6.50 - 8.50	6.22 - 6.22	No
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	1	0.53	0.53	0.53	0.53	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	First 24hrs then weekly	1	0.8	0.8	0.8	0.8	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	1	2	2	2	2	N/A	N/A	N/A	N/A	N/A

\* No samples were collected as no discharge occurred during the month

EPA Id. No. 11 Site Code 5BL0500		Site Description - Discharge to Black Creek from Reuse Water Storage										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting <sup>^</sup>	Monthly Summary 1 March 2014 to 31 March 2014								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	1	0.14	0.14	0.14	0.14	N/A	N/A	N/A	N/A	N/A

<sup>^</sup> No samples were collected as no discharge occurred during the month

EPA Id. No. 12 Site Code 5SK0535		Site Description - Reuse Water Pump Station										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2014 to 31 March 2014								
				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	3	<2	4	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	4	0	0	0	0	N/A	N/A	N/A	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	0.43	0.43	0.43	0.43	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	<0.05	<0.05	<0.05	<0.05	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.34	7.42	7.37	7.59	N/A	N/A	6.50 - 8.50	7.34 - 7.59	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	0.15	0.15	0.15	0.15	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	1	0.6	0.6	0.6	0.6	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	<1	1	1	1	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 13 Site Code 5OV0500		Site Description - Outlet from Wet Weather Storage Pond.										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting <sup>#</sup>	Monthly Summary 1 March 2014 to 31 March 2014								
				Minimum	Mean Value	Median Value	Maximum	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
Faecal Coliforms	colony forming units per 100 mL	First 24hrs then weekly	-	-	-	-	-	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
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	-	-	-	-	-	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
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	First 24hrs then weekly	-	-	-	-	-	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

<sup>#</sup> No samples were collected as no overflow occurred during the month