



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

Environment Protection Licence No. 1680  
Date Obtained: 3 December 2013  
Date Published: 16 December 2013

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 November 2013 to 30 November 2013								
				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	2	2	3	3	3	N/A	N/A	N/A	N/A	N/A
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	2	<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	First 24hrs then weekly	2	91	401	401	710	N/A	N/A	N/A	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	First 24hrs then weekly	2	1.90	2.25	2.25	2.60	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	2	0.07	0.12	0.12	0.16	N/A	N/A	N/A	N/A	N/A
pH	pH	First 24hrs then weekly	2	7.38	7.57	7.57	7.76	N/A	N/A	6.50 - 8.50	7.38 - 7.76	Yes
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	2	0.22	0.61	0.61	1	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	First 24hrs then weekly	2	2	2	2	2	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	2	14	19	19	24	N/A	N/A	N/A	N/A	N/A

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 November 2013 to 30 November 2013								
				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	-	-	-	-	-	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 November 2013 to 30 November 2013								
				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	<2	<2	<2	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	3.7	3.7	3.7	3.7	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.32	0.32	0.32	0.32	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.38	7.45	7.40	7.60	N/A	N/A	6.50 - 8.50	7.38 - 7.60	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	0.18	0.18	0.18	0.18	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	1	1.1	1.1	1.1	1.1	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	<1	3	3	4	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 #	Monthly Summary 1 November 2013 to 30 November 2013								
				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

# No samples were collected as no overflow occurred during the month