



**BRANXTON WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY**

Environment Protection Licence No. 1680  
 Date Obtained: 1 August 2017  
 Date Published: 18 August 2017

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 July 2017 to 31 July 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	First 24hrs then weekly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Chlorine (total residual)	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	6.50 - 8.50	- - -	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 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	Monthly Summary 1 July 2017 to 31 July 2017										
				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	4	<0.1	0.11	<0.1	0.14	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 July 2017 to 31 July 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	Weekly	4	<2	2	<2	2	N/A	N/A	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	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	4.3	4.3	4.3	4.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.16	0.16	0.16	0.16	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.23	7.34	7.30	7.53	N/A	N/A	6.50 - 8.50	7.23 - 7.53	Yes		
Phosphorus (total)	milligrams per litre	Monthly	1	0.057	0.057	0.057	0.057	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	1	0.3	0.3	0.3	0.3	N/A	N/A	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	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 July 2017 to 31 July 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	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 discharge occurred during the month