



BRANXTON WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1680
Date Obtained: 30 July 2012
Date Published: 10 August 2012

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	Monthly Summary 1 July 2012 to 31 July 2012								
			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	2	3	N/A	N/A	N/A	N/A	N/A
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	<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	18	29	27	45	N/A	N/A	N/A	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	First 24hrs then weekly	2.00	2.53	2.60	2.90	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	0.09	0.22	0.21	0.35	N/A	N/A	N/A	N/A	N/A
pH	pH	First 24hrs then weekly	6.96	7.13	7.11	7.32	N/A	N/A	6.50 - 8.50	6.96 - 7.32	Yes
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	0.05	0.08	0.08	0.10	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	First 24hrs then weekly	0.80	1.10	1.10	1.40	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	<1	2	2	2	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	Monthly Summary 1 July 2012 to 31 July 2012								
			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

EPA Id. No. 12 Site Code 5SK0535		Site Description - Reuse Water Pump Station									
Pollutant	Unit of Measurement	Sampling Frequency	Monthly Summary 1 July 2012 to 31 July 2012								
			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	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	Monthly	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	-	-	-	-	N/A	N/A	6.50 - 8.50	-	-
Phosphorus (total)	milligrams per litre	Monthly	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	-	-	-	-	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	Monthly Summary 1 July 2012 to 31 July 2012								
			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