



BRANXTON WASTEWATER TREATMENT WORKS - FEBRUARY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1680
Date Obtained: 13 March 2013
Date Published: 15 March 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 February 2013 to 28 February 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	2	2	2	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	50	1075	1075	2100	N/A	N/A	N/A	N/A	N/A
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	First 24hrs then weekly	2	0.28	2.54	2.54	4.80	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	2	0.10	0.18	0.18	0.25	N/A	N/A	N/A	N/A	N/A
pH	pH	First 24hrs then weekly	2	6.60	6.89	6.89	7.18	N/A	N/A	6.50 - 8.50	6.60 - 7.18	Yes
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	2	0.23	0.30	0.30	0.37	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	First 24hrs then weekly	2	1.40	2.50	2.50	3.60	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	2	<1	2	2	3	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	Monthly Summary 1 February 2013 to 28 February 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	1	0.1	0.1	0.1	0.1	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 February 2013 to 28 February 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	2.6	2.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.08	0.08	0.08	0.08	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.40	7.44	7.43	7.49	N/A	N/A	6.50 - 8.50	7.40 - 7.49	Yes
Phosphorus (total)	milligrams per litre	Monthly	1	0.10	0.10	0.10	0.10	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	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	Weekly	4	<1	1	1	2	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 February 2013 to 28 February 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