



BRANXTON WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY

Environment Protection Licence No. 1680
 Date Obtained: 30th September 2014
 Date Published: 21 October 2014

Licensee
 Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code SSL0500		Site Description - Outlet from Farmers Reuse Storage														
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting	Annual Summary 1 October 2013 to 30 September 2014												Within Limits
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of measurements	3DGM Minimum	3DGM Maximum	100%ile Limit	100%ile Actual	
Biochemical Oxygen Demand	milligrams per litre	First 24hrs then weekly	6	<2	5	5	3	10	4	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	6	<0.05	0.48	1	0.13	3	0.35	N/A	N/A	N/A	N/A	N/A	N/A	Yes
pH	pH	First 24hrs then weekly	6	6.22	8.95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	6.22 - 8.95	No
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	6	0.2	1.0	0.3	0.43	1	0.95	N/A	N/A	N/A	N/A	N/A	N/A	No
Total Nitrogen	milligrams per litre	First 24hrs then weekly	6	2.80	22.70	7.5	3.95	10	14.00	N/A	N/A	N/A	N/A	N/A	N/A	No
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	6	2	24	10	9	20	22	N/A	N/A	N/A	N/A	N/A	N/A	No

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 year for licence reporting	Annual Summary 1 October 2013 to 30 September 2014												Within Limits
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of measurements	3DGM Minimum	3DGM Maximum	100%ile Limit	100%ile Actual	
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	29	<0.1	0.2	N/A	N/A	0.5	0.14	N/A	N/A	N/A	N/A	N/A	N/A	Yes

EPA Id. No. 12 Site Code SSK0535		Site Description - Reuse Water Pump Station														
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting	Annual Summary 1 October 2013 to 30 September 2014												Within Limits
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of measurements	3DGM Minimum	3DGM Maximum	100%ile Limit	100%ile Actual	
Biochemical Oxygen Demand	milligrams per litre	Weekly	51	<2	4	5	2	10	2	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Faecal Coliforms	colony forming units per 100 mL	Weekly	51	0	<2	150	0	200	0	N/A	N/A	N/A	N/A	200	<2	Yes
Nitrogen (ammonia)	milligrams per litre	Monthly	12	<0.05	0.32	1	0.13	3	0.27	N/A	N/A	N/A	N/A	N/A	N/A	Yes
pH	pH	Weekly	51	7.10	8.12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	7.1 - 8.12	Yes
Phosphorus (total)	milligrams per litre	Monthly	12	0.04	0.42	0.3	0.13	1	0.28	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Total Nitrogen	milligrams per litre	Monthly	12	1.03	6.70	7.5	4.75	10	5.88	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Total Suspended Solids	milligrams per litre	Weekly	51	<1	6	10	1	20	3	N/A	N/A	N/A	N/A	N/A	N/A	Yes

*Sample not collected on 4th December 2013 as no flow was being discharged from this licence point.