



BRANXTON WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1680

Date Obtained: 4 October 2017

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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 year for licence reporting*	Annual Summary 1 October 2016 to 30 September 2017											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of Measurements	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	First 24hrs then weekly	-	-	-	5	-	10	-	N/A	N/A	N/A	N/A	N/A	Yes
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	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	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	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	First 24hrs then weekly	-	-	-	7.5	-	10	-	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (ammonia)	milligrams per litre	First 24hrs then weekly	-	-	-	1	-	3	-	N/A	N/A	N/A	N/A	N/A	Yes
pH	pH	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	-	Yes
Phosphorus (total)	milligrams per litre	First 24hrs then weekly	-	-	-	0.3	-	1	-	N/A	N/A	N/A	N/A	N/A	Yes
Total Kjeldahl Nitrogen	milligrams per litre	First 24hrs then weekly	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	First 24hrs then weekly	-	-	-	10	-	20	-	N/A	N/A	N/A	N/A	N/A	Yes

* No samples were collected as no discharge occurred during the reporting period

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 2016 to 30 September 2017											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of Measurements	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Chlorine (total residual)	milligrams per litre	First 24hrs then weekly	23	<0.10	0.41	N/A	N/A	0.5	0.31	N/A	N/A	N/A	N/A	N/A	Yes

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 year for licence reporting	Annual Summary 1 October 2016 to 30 September 2017											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of Measurements	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	4	5	<2	10	2	N/A	N/A	N/A	N/A	N/A	Yes
Faecal Coliforms	colony forming units per 100 mL	Weekly	52	0	0	150	0	200	0	N/A	N/A	N/A	N/A	N/A	Yes
Nitrate+Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	12	4.0	4.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	Monthly	12	4.5	5.7	7.5	5.0	10	5.7	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (ammonia)	milligrams per litre	Monthly	12	<0.05	0.16	1	<0.05	3	0.11	N/A	N/A	N/A	N/A	N/A	Yes
pH	pH	Weekly	52	6.41	8.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	6.41 - 8.00	No
Phosphorus (total)	milligrams per litre	Monthly	12	0.034	0.24	0.3	0.10	1	0.20	N/A	N/A	N/A	N/A	N/A	Yes
Total Kjeldahl Nitrogen	milligrams per litre	Monthly	12	0.2	1.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	52	<1	4	10	<1	20	<1	N/A	N/A	N/A	N/A	N/A	Yes

EPA Id. No. 13 Site Code 5OV0410		Site Description - Outlet from Wet Weather Storage Pond													
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting**	Annual Summary 1 October 2016 to 30 September 2017											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of Measurements	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	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	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	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	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	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	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	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	N/A	N/A	N/A	N/A	N/A

** No samples were collected as no discharge occurred during the reporting period