



CLARENCE TOWN WASTEWATER TREATMENT WORKS - NOVEMBER MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 13250
 Date Obtained: 3 December 2013
 Date Published: 16 December 2013

Licensee Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 5CT0001		Site Description - Discharge to utilisation area										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 November 2013 to 30 November 2013								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
BOD	milligrams per litre	Weekly	4	<2	7	6	14	N/A	N/A	N/A	N/A	N/A
Cadmium	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Monthly	1	58	58	58	58	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Weekly	4	0.011	0.022	0.022	0.033	N/A	N/A	N/A	N/A	N/A
Chromium	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Copper	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	<100	<100	<100	<100	N/A	N/A	N/A	N/A	N/A
Iron	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Lead	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Mercury	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate	milligrams per litre	Monthly	1	0.1	0.1	0.1	0.1	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.47	0.47	0.47	0.47	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	<5	<5	<5	<5	N/A	N/A	10	<5	Yes
pH	pH	Weekly	4	8.67	8.87	8.84	9.13	N/A	N/A	N/A	N/A	N/A
Potassium	milligrams per litre	Monthly	1	4	4	4	4	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Monthly	1	3.22	3.22	3.22	3.22	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Monthly	1	1.70	1.70	1.70	1.70	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	14	25	24	37	N/A	N/A	N/A	N/A	N/A
Zinc	milligrams per litre	Yearly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

^ No effluent was discharged from this point during October.

EPA Id. No. 2 Site Code 5OV3100		Site Description - Overflow spillway										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting#	Monthly Summary 1 November 2013 to 30 November 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	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	10	-	N/A
pH	pH	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

No samples were collected or analysed during the month as no overflow from the spillway occurred during the month.

EPA Id. No. 5 Site Code		Site Description - Pumped discharge to Wallaroo Creek										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting^	Monthly Summary 1 November 2013 to 30 November 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	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	10	-	N/A
pH	pH	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Special Frequency 1	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

^ No samples were collected or analysed during the month as there was no discharge to Wallaroo Creek during the month.