



CLARENCE TOWN WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 13250
 Date Obtained: 12 August 2014
 Date Published: 28 August 2014

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 July 2014 to 31 July 2014								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium	milligrams per litre	Yearly	1	3.51	3.51	3.51	3.51	N/A	N/A	N/A	N/A	N/A
BOD	milligrams per litre	Weekly	5	<2	<2	<2	2	N/A	N/A	N/A	N/A	N/A
Cadmium	milligrams per litre	Yearly	1	<0.0002	<0.0002	<0.0002	<0.0002	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Monthly	1	52	52	52	52	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Weekly	5	<0.001	0.005	0.004	0.009	N/A	N/A	N/A	N/A	N/A
Chromium	milligrams per litre	Yearly	1	0.0015	0.0015	0.0015	0.0015	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	511	511	511	511	N/A	N/A	N/A	N/A	N/A
Copper	milligrams per litre	Yearly	1	0.0105	0.0105	0.0105	0.0105	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	36	36	36	36	N/A	N/A	N/A	N/A	N/A
Iron	milligrams per litre	Yearly	1	1.87	1.87	1.87	1.87	N/A	N/A	N/A	N/A	N/A
Lead	milligrams per litre	Yearly	1	0.0008	0.0008	0.0008	0.0008	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Yearly	1	0.0047	0.0047	0.0047	0.0047	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Yearly	1	0.0204	0.0204	0.0204	0.0204	N/A	N/A	N/A	N/A	N/A
Mercury	milligrams per litre	Yearly	1	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A	N/A	N/A	N/A
Nitrate	milligrams per litre	Monthly	1	0.69	0.69	0.69	0.69	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.21	0.21	0.21	0.21	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	5	7.74	7.81	7.82	7.85	N/A	N/A	N/A	N/A	N/A
Potassium	milligrams per litre	Monthly	1	8	8	8	8	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Monthly	1	3.19	3.19	3.19	3.19	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Monthly	1	2.70	2.70	2.70	2.70	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	3	7	7	12	N/A	N/A	N/A	N/A	N/A
Zinc	milligrams per litre	Yearly	1	0.0043	0.0043	0.0043	0.0043	N/A	N/A	N/A	N/A	N/A

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 July 2014 to 31 July 2014								
				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 July 2014 to 31 July 2014								
				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.