



CLARENCE TOWN WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 13250
 Date Obtained: 2 August 2016
 Date Published: 19 August 2016

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 2016 to 31 July 2016								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium	milligrams per litre	Yearly	1	0.0012	0.0012	0.0012	0.0012	N/A	N/A	N/A	N/A	N/A
BOD	milligrams per litre	Weekly	4	26	31	31	37	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	48	48	48	48	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Weekly	4	0.254	0.297	0.283	0.367	N/A	N/A	N/A	N/A	N/A
Chromium	milligrams per litre	Yearly	1	<0.0002	<0.0002	<0.0002	<0.0002	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	450	450	450	450	N/A	N/A	N/A	N/A	N/A
Copper	milligrams per litre	Yearly	1	0.0032	0.0032	0.0032	0.0032	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	160	160	160	160	N/A	N/A	N/A	N/A	N/A
Iron	milligrams per litre	Yearly	1	0.0980	0.0980	0.0980	0.0980	N/A	N/A	N/A	N/A	N/A
Lead	milligrams per litre	Yearly	1	<0.0002	<0.0002	<0.0002	<0.0002	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Yearly	1	4.1	4.1	4.1	4.1	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Yearly	1	0.0514	0.0514	0.0514	0.0514	N/A	N/A	N/A	N/A	N/A
Mercury	milligrams per litre	Yearly	1	<0.0001	<0.0001	<0.0001	<0.0001	N/A	N/A	N/A	N/A	N/A
Nitrate	milligrams per litre	Monthly	1	2.0	2.0	2.0	2.0	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	1.8	1.8	1.8	1.8	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	<2	<2	<2	<2	N/A	N/A	10	<2	Yes
pH	pH	Weekly	4	7.4	7.6	7.5	8.1	N/A	N/A	N/A	N/A	N/A
Potassium	milligrams per litre	Monthly	1	12.7	12.7	12.7	12.7	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Monthly	1	8.2	8.2	8.2	8.2	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Monthly	1	4.2	4.2	4.2	4.2	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	30	35	35	41	N/A	N/A	N/A	N/A	N/A
Zinc	milligrams per litre	Yearly	1	0.0020	0.0020	0.0020	0.0020	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 2016 to 31 July 2016								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
BOD	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 as no overflow occurred during the month

EPA Id. No. 5 Site Code 5CT0035		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 2016 to 31 July 2016								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
BOD	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 as no discharge occurred during the month