



CLARENCE TOWN WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 13250
 Date Obtained: 3 August 2015
 Date Published: 20 August 2015

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 2015 to 31 July 2015								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium	milligrams per litre	Yearly	1	0.646	0.646	0.646	0.646	N/A	N/A	N/A	N/A	N/A
BOD	milligrams per litre	Weekly	5	<2	4	3	6	N/A	N/A	N/A	N/A	N/A
Cadmium	milligrams per litre	Yearly	1	<0.2	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	N/A
Chloride	milligrams per litre	Monthly	1	46	46	46	46	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Weekly	5	0.001	0.009	0.006	0.020	N/A	N/A	N/A	N/A	N/A
Chromium	milligrams per litre	Yearly	1	0.0012	0.0012	0.0012	0.0012	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	376	376	376	376	N/A	N/A	N/A	N/A	N/A
Copper	milligrams per litre	Yearly	1	0.0042	0.0042	0.0042	0.0042	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	18	18	18	18	N/A	N/A	N/A	N/A	N/A
Iron	milligrams per litre	Yearly	1	0.555	0.555	0.555	0.555	N/A	N/A	N/A	N/A	N/A
Lead	milligrams per litre	Yearly	1	0.0003	0.0003	0.0003	0.0003	N/A	N/A	N/A	N/A	N/A
Magnesium	milligrams per litre	Yearly	1	3.3	3.3	3.3	3.3	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Yearly	1	0.0073	0.0073	0.0073	0.0073	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	0.3	0.3	0.3	0.3	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.12	0.12	0.12	0.12	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	7.60	8.02	7.80	8.90	N/A	N/A	N/A	N/A	N/A
Potassium	milligrams per litre	Monthly	1	8.2	8.2	8.2	8.2	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Monthly	1	1.47	1.47	1.47	1.47	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Monthly	1	2.60	2.60	2.60	2.60	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	2	10	9	18	N/A	N/A	N/A	N/A	N/A
Zinc	milligrams per litre	Yearly	1	<0.0005	<0.0005	<0.0005	<0.0005	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 2015 to 31 July 2015								
				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 as no overflow 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 2015 to 31 July 2015								
				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