



**CLARENCE TOWN WASTEWATER TREATMENT WORKS - NOVEMBER MONTHLY POLLUTION MONITORING SUMMARY**

Environment Protection Licence No. 13250  
 Date Obtained: 3 December 2015  
 Date Published: 18 December 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 November 2015 to 30 November 2015								
				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	4	9	10	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	52	52	52	52	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	milligrams per litre	Weekly	4	0.001	0.009	0.008	0.019	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	1.5	1.5	1.5	1.5	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	2.30	2.30	2.30	2.30	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	7.50	7.65	7.65	7.80	N/A	N/A	N/A	N/A	N/A
Potassium	milligrams per litre	Monthly	1	12.4	12.4	12.4	12.4	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Monthly	1	6.1	6.1	6.1	6.1	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Monthly	1	4.40	4.40	4.40	4.40	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	5	12	13	17	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

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 2015 to 30 November 2015								
				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		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 2015 to 30 November 2015								
				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