



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

Environment Protection Licence No. 13250  
 Date Obtained: 1 August 2017  
 Date Published: 18 August 2017

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 2017 to 31 July 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium	milligrams per litre	Yearly	1	0.0170	0.0170	0.0170	0.0170	N/A	N/A	N/A	N/A	N/A
BOD	milligrams per litre	Weekly	4	12	19	16	33	N/A	N/A	N/A	N/A	N/A
Cadmium	milligrams per litre	Yearly	1	<0.00020	<0.00020	<0.00020	<0.00020	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	0.0855	0.152	0.107	0.309	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	500	500	500	500	N/A	N/A	N/A	N/A	N/A
Copper	milligrams per litre	Yearly	1	0.0006	0.0006	0.0006	0.0006	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	0.0550	0.0550	0.0550	0.0550	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	4.0	4.0	4.0	4.0	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Yearly	1	0.0336	0.0336	0.0336	0.0336	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	<0.05	<0.05	<0.05	<0.05	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	5.3	5.3	5.3	5.3	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	3	3	3	3	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.62	7.85	7.73	8.31	N/A	N/A	N/A	N/A	N/A
Potassium	milligrams per litre	Monthly	1	17.9	17.9	17.9	17.9	N/A	N/A	N/A	N/A	N/A
Total Nitrogen	milligrams per litre	Monthly	1	12.1	12.1	12.1	12.1	N/A	N/A	N/A	N/A	N/A
Total Phosphorous	milligrams per litre	Monthly	1	5.0	5.0	5.0	5.0	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	8	30	34	42	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 2017 to 31 July 2017								
				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 2017 to 31 July 2017								
				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