



CLARENCE TOWN WASTEWATER TREATMENT WORKS - JANUARY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 13250
Date Obtained: 15 February 2016
Date Published: 14 June 2016

Licensee Hunter Water Corporation
36 Honeysuckle Drive
NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code SCT0001		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 January 2016 to 31 January 2016							100%ile Actual	100%ile Limit	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit				
Aluminium	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
BOD	milligrams per litre	Weekly	4	8	10	10	11	-	-	N/A	N/A	N/A	N/A	
Cadmium	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Chloride	milligrams per litre	Monthly	1	44	44	44	44	-	-	N/A	N/A	N/A	N/A	
Chlorophyll a	milligrams per litre	Weekly	4	0.0272	0.1184	0.1158	0.2150	-	-	N/A	N/A	N/A	N/A	
Chromium	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Conductivity	microsiemens per centimetre	Quarterly	1	386	386	386	386	-	-	N/A	N/A	N/A	N/A	
Copper	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Faecal Coliforms	colony forming units per 100 mL	Monthly	1	700	700	700	700	-	-	N/A	N/A	N/A	N/A	
Iron	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Lead	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Magnesium	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Manganese	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Mercury	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Nitrate	milligrams per litre	Monthly	1	0.10	0.10	0.10	0.10	-	-	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.95	0.95	0.95	0.95	-	-	N/A	N/A	N/A	N/A	
Oil and Grease	milligrams per litre	Monthly	1	3	3	3	3	-	-	N/A	N/A	10	3	Yes
pH	pH	Weekly	4	7.7	8.4	8.3	9.2	-	-	N/A	N/A	N/A	N/A	
Potassium	milligrams per litre	Monthly	1	10.6	10.6	10.6	10.6	-	-	N/A	N/A	N/A	N/A	
Total Nitrogen	milligrams per litre	Monthly	1	4.1	4.1	4.1	4.1	-	-	N/A	N/A	N/A	N/A	
Total Phosphorus	milligrams per litre	Monthly	1	2.6	2.6	2.6	2.6	-	-	N/A	N/A	N/A	N/A	
Total Suspended Solids	milligrams per litre	Weekly	4	13	30	30	48	-	-	N/A	N/A	N/A	N/A	
Zinc	milligrams per litre	Yearly	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	

EPA Id. No. 2 Site Code SOV3100		Site Description - Overflow spillway												
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting*	Monthly Summary 1 January 2016 to 31 January 2016							100%ile Actual	100%ile Limit	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit				
BOD	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Chlorophyll a	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Nitrate	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Oil and Grease	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	10	3	Yes
pH	pH	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Total Nitrogen	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	
Total Phosphorus	milligrams per litre	Special Frequency 1	-	-	-	-	-	-	-	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	

* No samples were collected as no overflow occurred during the month

EPA Id. No. 5 Site Code SCT0035		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 January 2016 to 31 January 2016							100%ile Actual	100%ile Limit	Within Limits		
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit					
BOD	milligrams per litre	Special Frequency 1	1	11	11	11	11	-	-	N/A	N/A	N/A	N/A		
Chlorophyll a	milligrams per litre	Special Frequency 1	1	0.148	0.148	0.148	0.148	-	-	N/A	N/A	N/A	N/A		
Nitrate	milligrams per litre	Special Frequency 1	1	0.10	0.10	0.10	0.10	-	-	N/A	N/A	N/A	N/A		
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	1	0.95	0.95	0.95	0.95	-	-	N/A	N/A	N/A	N/A		
Oil and Grease	milligrams per litre	Special Frequency 1	1	3	3	3	3	-	-	N/A	N/A	N/A	10	3	Yes
pH	pH	Special Frequency 1	1	9.2	9.2	9.2	9.2	-	-	N/A	N/A	N/A	N/A		
Total Nitrogen	milligrams per litre	Special Frequency 1	1	4.1	4.1	4.1	4.1	-	-	N/A	N/A	N/A	N/A		
Total Phosphorus	milligrams per litre	Special Frequency 1	1	2.6	2.6	2.6	2.6	-	-	N/A	N/A	N/A	N/A		
Total Suspended Solids	milligrams per litre	Special Frequency 1	1	48	48	48	48	-	-	N/A	N/A	N/A	N/A		

** Result for Point 1 used for Point 5 as per licence

Pollutant	Unit of Measurement	Measurement	Original Data	Corrected Data	Date Corrected	Date Originally	Reason
BOD	milligrams per litre	Minimum	-	11	10/06/2016	26/02/2016	Reporting Error
BOD	milligrams per litre	Mean	-	11	10/06/2016	26/02/2016	Reporting Error
BOD	milligrams per litre	Maximum	-	11	10/06/2016	26/02/2016	Reporting Error
Chlorophyll a	milligrams per litre	Minimum	-	0.148	10/06/2016	26/02/2016	Reporting Error
Chlorophyll a	milligrams per litre	Mean	-	0.148	10/06/2016	26/02/2016	Reporting Error
Chlorophyll a	milligrams per litre	Maximum	-	0.148	10/06/2016	26/02/2016	Reporting Error
Nitrate	milligrams per litre	Minimum	-	0.10	10/06/2016	26/02/2016	Reporting Error
Nitrate	milligrams per litre	Mean	-	0.10	10/06/2016	26/02/2016	Reporting Error
Nitrate	milligrams per litre	Maximum	-	0.10	10/06/2016	26/02/2016	Reporting Error
Nitrogen (ammonia)	milligrams per litre	Minimum	-	0.95	10/06/2016	26/02/2016	Reporting Error
Nitrogen (ammonia)	milligrams per litre	Mean	-	0.95	10/06/2016	26/02/2016	Reporting Error
Nitrogen (ammonia)	milligrams per litre	Maximum	-	0.95	10/06/2016	26/02/2016	Reporting Error
Oil and Grease	milligrams per litre	Minimum	-	3	10/06/2016	26/02/2016	Reporting Error
Oil and Grease	milligrams per litre	Mean	-	3	10/06/2016	26/02/2016	Reporting Error
Oil and Grease	milligrams per litre	Maximum	-	3	10/06/2016	26/02/2016	Reporting Error
pH	pH	Minimum	-	9.2	10/06/2016	26/02/2016	Reporting Error
pH	pH	Mean	-	9.2	10/06/2016	26/02/2016	Reporting Error
pH	pH	Maximum	-	9.2	10/06/2016	26/02/2016	Reporting Error
Total Nitrogen	milligrams per litre	Minimum	-	4.1	10/06/2016	26/02/2016	Reporting Error
Total Nitrogen	milligrams per litre	Mean	-	4.1	10/06/2016	26/02/2016	Reporting Error
Total Nitrogen	milligrams per litre	Maximum	-	4.1	10/06/2016	26/02/2016	Reporting Error
Total Phosphorus	milligrams per litre	Minimum	-	2.6	10/06/2016	26/02/2016	Reporting Error
Total Phosphorus	milligrams per litre	Mean	-	2.6	10/06/2016	26/02/2016	Reporting Error
Total Phosphorus	milligrams per litre	Maximum	-	2.6	10/06/2016	26/02/2016	Reporting Error
Total Suspended Solids	milligrams per litre	Minimum	-	48	10/06/2016	26/02/2016	Reporting Error
Total Suspended Solids	milligrams per litre	Mean	-	48	10/06/2016	26/02/2016	Reporting Error
Total Suspended Solids	milligrams per litre	Maximum	-	48	10/06/2016	26/02/2016	Reporting Error