



TANILBA BAY WASTEWATER TREATMENT WORKS - AUGUST MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4435
 Date Obtained: 4 September 2017
 Date Published: 18 September 2017

Licensee Hunter Water Corporation
 38 Hornsbyvale Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 55L2900		Site Description - Effluent Distribution Chamber			Monthly Summary 1 August 2017 to 31 August 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 August 2017 to 31 August 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Weekly	5	<2	3	2	4	N/A	N/A	30	4	Yes
Conductivity	microsiemens per centimetre	Monthly	1	556	556	556	556	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	1.3	1.3	1.3	1.3	N/A	N/A	5	1.3	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	1.7	1.7	1.7	1.7	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	4.3	4.3	4.3	4.3	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Fortnightly	2	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Monthly	1	3.0	3.0	3.0	3.0	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	<1	3	2	6	N/A	N/A	50	6	Yes
pH	pH	Weekly	5	7.16	7.30	7.32	7.41	N/A	N/A	6.50 - 8.50	7.16 - 7.41	Yes

EPA Id. No. 3 Site Code 50V2900		Site Description - Emergency Overflow from Infiltration Pond			Monthly Summary 1 August 2017 to 31 August 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 August 2017 to 31 August 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Each Overflow Event	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Each Overflow Event	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Each Overflow Event	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Each Overflow Event	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Each Overflow Event	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

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

EPA Id. No. 17 Site Code 54C3013		Site Description - Infiltration Pond 1			Monthly Summary 1 August 2017 to 31 August 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 August 2017 to 31 August 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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
Faecal Coliforms	colony forming units per 100 mL	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 18 Site Code 54C3014		Site Description - Infiltration Pond 2			Monthly Summary 1 August 2017 to 31 August 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 August 2017 to 31 August 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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
Faecal Coliforms	colony forming units per 100 mL	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 19 Site Code 54C3015		Site Description - Infiltration Pond 3			Monthly Summary 1 August 2017 to 31 August 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 August 2017 to 31 August 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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
Faecal Coliforms	colony forming units per 100 mL	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 20 Site Code 54C3016		Site Description - Infiltration Pond 4			Monthly Summary 1 August 2017 to 31 August 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 August 2017 to 31 August 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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
Faecal Coliforms	colony forming units per 100 mL	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A