



TANILBA BAY WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4435
 Date Obtained: 1 August 2017
 Date Published: 15 August 2017

Licensee Hunter Water Corporation
 38 Keneba Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 55L2900		Site Description - Effluent Distribution Chamber			Monthly Summary 1 July 2017 to 31 July 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 July 2017 to 31 July 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Weekly	4	<2	3	3	4	N/A	N/A	30	4	Yes
Conductivity	microsiemens per centimetre	Monthly	1	533	533	533	533	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	1.0	1.0	1.0	1.0	N/A	N/A	5	1.0	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	10.6	10.6	10.6	10.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	14.1	14.1	14.1	14.1	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	7.1	7.1	7.1	7.1	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	1	4	3	9	N/A	N/A	50	9	Yes
pH	pH	Weekly	4	7.13	7.23	7.26	7.26	N/A	N/A	6.50 - 8.50	7.13 - 7.26	Yes

EPA Id. No. 3 Site Code 50V2900		Site Description - Emergency Overflow from Infiltration Pond			Monthly Summary 1 July 2017 to 31 July 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 July 2017 to 31 July 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 54Z3013		Site Description - Infiltration Pond 1			Monthly Summary 1 July 2017 to 31 July 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 July 2017 to 31 July 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	4	4	4	4	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	553	553	553	553	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	76	76	76	76	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	5.6	5.6	5.6	5.6	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	1	1.4	1.4	1.4	1.4	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	1	9.2	9.2	9.2	9.2	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	7.21	7.21	7.21	7.21	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	5.7	5.7	5.7	5.7	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	<1	<1	<1	<1	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 18 Site Code 54Z3014		Site Description - Infiltration Pond 2			Monthly Summary 1 July 2017 to 31 July 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 July 2017 to 31 July 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	533	533	533	533	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	29	29	29	29	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	6.3	6.3	6.3	6.3	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	1	0.51	0.51	0.51	0.51	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	1	8.7	8.7	8.7	8.7	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	7.63	7.63	7.63	7.63	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	7.3	7.3	7.3	7.3	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	<1	<1	<1	<1	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 19 Site Code 54Z3015		Site Description - Infiltration Pond 3			Monthly Summary 1 July 2017 to 31 July 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 July 2017 to 31 July 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	406	406	406	406	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	22	22	22	22	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	0.85	0.85	0.85	0.85	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	1	<0.05	<0.05	<0.05	<0.05	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	1	1.9	1.9	1.9	1.9	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	7.46	7.46	7.46	7.46	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	2.9	2.9	2.9	2.9	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	<1	<1	<1	<1	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 20 Site Code 54Z3016		Site Description - Infiltration Pond 4			Monthly Summary 1 July 2017 to 31 July 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 July 2017 to 31 July 2017				100%ile Limit	100%ile Actual	Within Limits		
				Minimum	Mean Value	Median Value	Maximum					
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	4	4	4	4	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	417	417	417	417	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	22	22	22	22	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	0.85	0.85	0.85	0.85	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	1	0.05	0.05	0.05	0.05	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	1	2.1	2.1	2.1	2.1	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	7.43	7.43	7.43	7.43	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	3.4	3.4	3.4	3.4	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	3	3	3	3	N/A	N/A	N/A	N/A	N/A