



TANILBA BAY WASTEWATER TREATMENT WORKS - OCTOBER MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4435
 Date Obtained: 1 November 2017
 Date Published: 17 November 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 October 2017 to 31 October 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 October 2017			31 October 2017		100%ile Limit	100%ile Actual	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	SDGM Limit				SDGM Actual
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	547	547	547	547	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	1.9	1.9	1.9	1.9	N/A	N/A	5	1.90	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	4.7	4.7	4.7	4.7	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	4.9	4.9	4.9	4.9	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	3	3	3	3	N/A	N/A	50	3	Yes
pH	pH	Weekly	4	7.46	7.52	7.52	7.60	N/A	N/A	6.50 - 8.50	7.46 - 7.60	Yes

EPA Id. No. 3 Site Code 50V2900		Site Description - Emergency Overflow from Infiltration Pond			Monthly Summary 1 October 2017 to 31 October 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 October 2017			31 October 2017		100%ile Limit	100%ile Actual	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	SDGM Limit				SDGM Actual
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 October 2017 to 31 October 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 October 2017			31 October 2017		100%ile Limit	100%ile Actual	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	SDGM Limit				SDGM Actual
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	362	362	362	362	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	0	0	0	0	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	<0.05	<0.05	<0.05	<0.05	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	1.5	1.5	1.5	1.5	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	7.75	7.75	7.75	7.75	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	0.30	0.30	0.30	0.30	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	14	14	14	14	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 October 2017 to 31 October 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 October 2017			31 October 2017		100%ile Limit	100%ile Actual	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	SDGM Limit				SDGM Actual
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	11	11	11	11	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	501	501	501	501	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	130	130	130	130	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	0.44	0.44	0.44	0.44	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	3.3	3.3	3.3	3.3	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	8.81	8.81	8.81	8.81	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	3.1	3.1	3.1	3.1	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	41	41	41	41	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 October 2017 to 31 October 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 October 2017			31 October 2017		100%ile Limit	100%ile Actual	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	SDGM Limit				SDGM Actual
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	3	3	3	3	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	526	526	526	526	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	52	52	52	52	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	0.88	0.88	0.88	0.88	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	1	0.13	0.13	0.13	0.13	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Quarterly	1	2.6	2.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	8.99	8.99	8.99	8.99	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Quarterly	1	4.8	4.8	4.8	4.8	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Quarterly	1	6	6	6	6	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 October 2017 to 31 October 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	1 October 2017			31 October 2017		100%ile Limit	100%ile Actual	Within Limits	
				Minimum	Mean Value	Median Value	Maximum	SDGM Limit				SDGM Actual
Biochemical Oxygen Demand	milligrams per litre	Quarterly	1	8	8	8	8	N/A	N/A	N/A	N/A	N/A
Conductivity	microsiemens per centimetre	Quarterly	1	497	497	497	497	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	1	130	130	130	130	N/A	N/A	N/A	N/A	N/A
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Quarterly	1	0.14	0.14	0.14	0.14	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	2.9	2.9	2.9	2.9	N/A	N/A	N/A	N/A	N/A
pH	pH	Quarterly	1	9.81	9.81	9.81	9.81	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	34	34	34	34	N/A	N/A	N/A	N/A	N/A