



TANILBA BAY WASTEWATER TREATMENT WORKS - JUNE MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4435
 Date Obtained: 3 July 2017
 Date Published: 21 July 2017

Licensee Hunter Water Corporation
 38 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 55L2900		Site Description - Effluent Distribution Chamber			Monthly Summary 1 June 2017 to 30 June 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
				Biochemical Oxygen Demand	milligrams per litre	Weekly	4	2	4	4	6	N/A
Conductivity	microsiemens per centimetre	Monthly	1	528	528	528	528	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.90	0.90	0.90	0.90	N/A	N/A	5	0.9	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	8.4	8.4	8.4	8.4	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	11.0	11.0	11.0	11.0	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	6.8	6.8	6.8	6.8	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	<1	4	4	5	N/A	N/A	50	5	Yes
pH	pH	Weekly	4	7.15	7.20	7.21	7.23	N/A	N/A	6.50 - 8.50	7.15 - 7.23	Yes

EPA Id. No. 3 Site Code 50V2900		Site Description - Emergency Overflow from Infiltration Pond			Monthly Summary 1 June 2017 to 30 June 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
				Biochemical Oxygen Demand	milligrams per litre	Each Overflow Event	-	-	-	-	-	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 June 2017 to 30 June 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
				Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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 June 2017 to 30 June 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
				Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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 June 2017 to 30 June 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
				Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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 June 2017 to 30 June 2017							
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
				Biochemical Oxygen Demand	milligrams per litre	Quarterly	-	-	-	-	-	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