



TANILBA BAY WASTEWATER TREATMENT WORKS - MARCH MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4435
 Date Obtained: 4 April 2017
 Date Published: 20 April 2017

Licensee Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 5SL2900		Site Description - Effluent Distribution Chamber											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2017 to 31 March 2017									
				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	5	<2	2	2	3	N/A	N/A	N/A	30	3	Yes
Conductivity	microsiemens per centimetre	Monthly	1	594	594	594	594	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.57	0.57	0.57	0.57	N/A	N/A	N/A	5	0.6	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	4.6	4.6	4.6	4.6	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	5.3	5.3	5.3	5.3	N/A	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	N/A
Phosphorus (total)	milligrams per litre	Monthly	1	7.4	7.4	7.4	7.4	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	3	7	7	11	N/A	N/A	N/A	50	11	Yes
pH	pH	Weekly	5	7.31	7.37	7.38	7.45	N/A	N/A	N/A	6.50 - 8.50	7.31 - 7.45	Yes

EPA Id. No. 3 Site Code 5OV2900		Site Description - Emergency Overflow from Infiltration Pond											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting #	Monthly Summary 1 March 2017 to 31 March 2017									
				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	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	N/A
Oil and Grease	milligrams per litre	Each Overflow Event	-	-	-	-	-	N/A	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	N/A
pH	pH	Each Overflow Event	-	-	-	-	-	N/A	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											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2017 to 31 March 2017									
				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	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	N/A
Faecal Coliforms	colony forming units per 100 mL	Quarterly	-	-	-	-	-	N/A	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	N/A
Nitrogen (ammonia)	milligrams per litre	Quarterly	-	-	-	-	-	N/A	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	N/A
pH	pH	Quarterly	-	-	-	-	-	N/A	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	N/A
Total Suspended Solids	milligrams per litre	Quarterly	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 18 Site Code 54Z3014		Site Description - Infiltration Pond 2										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2017 to 31 March 2017								
				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	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 54Z3015		Site Description - Infiltration Pond 3										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2017 to 31 March 2017								
				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	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 54Z3016		Site Description - Infiltration Pond 4										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 March 2017 to 31 March 2017								
				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	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