



**TANILBA BAY WASTEWATER TREATMENT WORKS - FEBRUARY MONTHLY POLLUTION MONITORING SUMMARY**

Environment Protection Licence No. 4435  
 Date Obtained: 1 March 2017  
 Date Published: 16 March 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 February 2017 to 28 February 2017									Within Limits
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual		
Biochemical Oxygen Demand	milligrams per litre	Weekly	4	<2	4	4	6	N/A	N/A	30	6	Yes	
Conductivity	microsiemens per centimetre	Monthly	1	604	604	604	604	N/A	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1	0.31	0.31	0.31	0.31	N/A	N/A	5	0.3	Yes	
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	1	8.7	8.7	8.7	8.7	N/A	N/A	N/A	N/A	N/A	
Nitrogen (total)	milligrams per litre	Monthly	1	9.8	9.8	9.8	9.8	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	8.2	8.2	8.2	8.2	N/A	N/A	N/A	N/A	N/A	
Total Suspended Solids	milligrams per litre	Weekly	4	<1	1	<1	2	N/A	N/A	50	2	Yes	
pH	pH	Weekly	4	7.23	7.28	7.29	7.31	N/A	N/A	6.50 - 8.50	7.23 - 7.31	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 February 2017 to 28 February 2017									Within Limits
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile 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											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 February 2017 to 28 February 2017									Within Limits
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual		
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 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 February 2017 to 28 February 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 February 2017 to 28 February 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 February 2017 to 28 February 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