



## TANILBA BAY WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4435  
 Date Obtained: 3 October 2017  
 Date Published: 19 October 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 year for licence reporting	Annual Report 1 October 2016 - 30 September 2017											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of Measurements	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	6	N/A	N/A	10	4	N/A	N/A	N/A	30	6	Yes
Conductivity	microsiemens per centimetre	Monthly	12	524	708	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	12	0.31	1.3	N/A	N/A	3	1.2	N/A	N/A	N/A	5	1.3	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Monthly	12	0.76	10.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	12	2.1	14.1	15	6.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Oil and Grease	milligrams per litre	Fortnightly	26	<2	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Monthly	12	3.0	8.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	52	<1	16	N/A	N/A	20	9	N/A	N/A	N/A	50	16	Yes
pH	pH	Weekly	52	7.13	7.67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	7.13 - 7.67	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 year for licence reporting #	Annual Report 1 October 2016 - 30 September 2017											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of Measurements	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	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	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	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	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	N/A	N/A	N/A	N/A

# No samples were collected as no overflow occurred during the reporting period