

Guyra Waste Water Treatment Plant, 7776 Guyra Road, GUYRA NSW 2365, Licence No. 1671																		
Monitoring Point 1 - discharge to Laura Ck		Licence Period 01May 2022 to 30 April 2023																
Parameter/month	90th %ile	Units	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Minimum	Average	Maximum	90th %ile
Sample date	Limits		31-May	29-Jun	28-Jul	31-Aug	07-Oct	31-Oct	30-Nov									
pH	6.5-8.5		7.23	7.20	7.72	8.03	7.25	9.51	7.55						7.2	7.8	9.51	9
EC	no limit	uS/cm	404	474	367	351	270	258	376						258	357	474	432
TSS	<20	mg/L	5	3	3	10	3	8	8						3	6	10	8.8
BOD5	<15	mg/L	2.0	4.80	1.20	3.80	3.90	1.10	8.40						1	3.6	8	6.24
Ammonia-N	<5	mg/L	0.64	1.45	0.32	0.26	0.11	0.26	1.21						0.11	0.0	1.45	1.3
TKN	no limit	mg/L	1.80	3.40	2.90	3.30	2.30	1.50	1.90						1.50	2.4	3.40	3.34
NOx-N	no limit	mg/L	2.96	3.11	2.25	1.26	1.70	1.10	0.25						0.25	1.8	3.11	3.02
Total N	<15	mg/L	4.80	6.20	5.20	4.60	4.00	2.60	2.20						2.20	4.2	6.20	5.6
SRP	no limit	mg/L	0.13	0.28	0.12	0.12	0.06	0.09	0.09						0	0.0	0	0.2
TP	<1	mg/L	0.14	0.31	0.11	0.15	0.11	0.29	0.34						0.11	0.0	0.34	0
TOG	<10	mg/L	<5	<5	<5	<5	<5	<5	<5						<5	<5	<5	<5
Weir FC	no limit	cfu/100 ml	880	80	16	16	48	8.00	24.00						8	153	880	400
Inflow FC	no limit	cfu/100 ml	3800	5200	1760	160	2120	20	160						20	1889	5200	4360
Cumulative monthly discharge	ML		25.24	47.35	78.94	118.74	165.91	229.10	275.94						Allowable annual total = 218 ML			
Report Date			06-Jun	06-Jul	02-Aug	06-Sep	13-Oct	06-Nov	09-Dec									

Abbreviations: EC (electrical conductivity); TSS (total suspended solids); BOD5 (5-day biochemical oxygen demand); TKN (total Kjeldahl nitrogen); NOx-N (nitrate + nitrite as nitrogen); Total N (total nitrogen); SRP (orthophosphate); TP (total phosphorus); TOG (total oil & grease); FC (faecal coliforms)

The top value on the Y-axis for TSS, BOD5 and TOG are the limits of the licence.

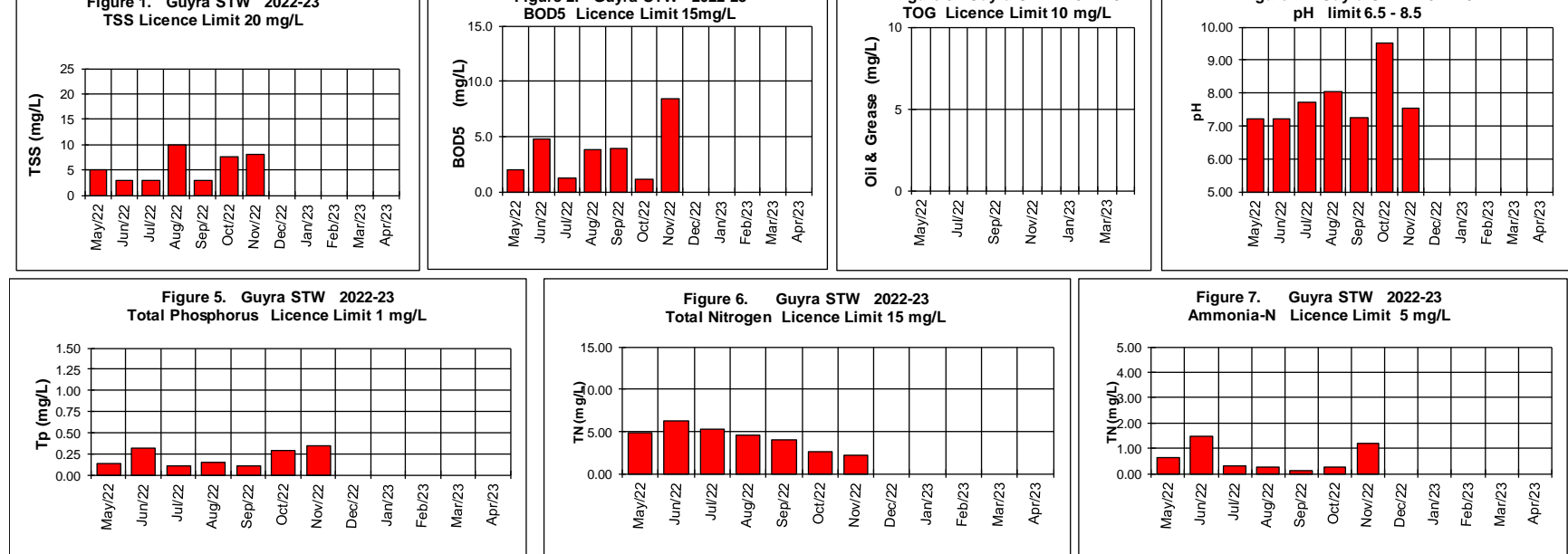


Table 2. Water Quality Monitoring data for licence period

Note: Total bypass for November = 1566 kL over 3 days