

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 1938**

Point 1

Discharge pipe from the maturation pond to the wetland that flows via a waterway to the Crookwell River

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	NITROGEN AMMONIA mg/L	TOTAL NITROGEN mg/L	OIL & GREASE	TOTAL PHOSPHORUS	FAECAL COLIFORMS CFU/100mL	CHLOROPHYLL A	Comments
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED										
Limit			20	6.5-8.5	30		15	10	1	600		
19/07/2012	19/07/2012	25/07/2012	6	8.7	12	<0.1	6.4	<1	0.25	540	240	
21/08/2012	22/08/2012	27/08/2012	8	9.4	18	<0.1	5.3	<1	0.27	4	360	
26/09/2012	27/09/2012	3/10/2012	10	9.8	18	<0.1	3.4	<1	0.24	18	0.91	
31/10/2012	1/11/2012	6/11/2012	3	8.4	6	0.6	3.4	<1	0.32	36	23	
28/11/2012	29/11/2012	13/12/2012	2	7.7	11	<0.1	0.76	<1	0.34	260	0.8	
18/12/2012	19/12/2012	24/12/2012	8	7.9	16	1.9	4.3	<1	1.1	27	54	
30/01/2013	31/01/2013	5/02/2013	6	9.6	19	<0.1	2.5	<1	0.75	120	180	
27/02/2013	28/02/2013	7/03/2013	4	8.9	16	0.2	2.4	<1	0.39	60	190	
3/04/2013	4/04/2013	10/04/2013	14	8.8	25	0.3	5.4	<1	0.32	300	270	
1/05/2013	2/05/2013	7/05/2013	15	9.8	29	0.5	5.1	<1	0.37	18	490	
29/05/2013	30/05/2013	4/06/2013	27	9	33	1.7	7.9	<1	0.45	76	860	
26/06/2013	27/06/2013	2/07/2013	4	7.8	13	1.3	9.5	<1	0.24	2900	140	
24/07/2013	25/07/2013	30/07/2013	4	8.2	18	0.5	5.8	<1	0.19	900	170	
4/09/2013	5/09/2013	11/09/2013	7	8.6	10	1.1	4	<1	0.19	280	120	
25/09/2013	26/09/2013	2/10/2013	22	9.5	18	0.3	5.6	<1	0.35	2	340	
23/10/2013	24/10/2013	31/10/2013	15	10.1	49	0.9	6.6	<1	0.58	2	760	
27/11/2013	28/11/2013	9/12/2013	14	10.2	28	<0.1	3.6	<1	0.3	4	211	
18/12/2013	19/12/2013	30/12/2013	10	9.77	28	<0.1	1.99	<1	0.72	14	151	
30/01/2014	30/01/2014	10/02/2014	11	9.06	13	0.1	2.41	<1	0.47	20	32.8	
26/02/2014	27/02/2014	7/03/2014	12	9.22	21	0.2	3.46	<1	0.42	14	222	
27/03/2014	27/03/2014	5/04/2014	5	9.45	25	0.7	4.15	<1	0.37	490	159	
30/04/2014	1/05/2014	12/05/2014	8	8.67	34	2.7	8.16	<1	0.47	1500	392	
29/05/2014	29/05/2014	10/06/2014	19	8.46	31	6.4	11.4	<1	0.39	12400	409	
26/06/2014	26/06/2014	3/07/2014	7	8.06	15	6.2	10.2	<1	0.24	6300	192	
7/08/2014	7/08/2014	15/08/2014	10	9.27	21	0.8	4.53	<1	0.27	80	338	
27/08/2014	28/08/2014	5/09/2014	6	8.53	14	0.2	4.67	<1	0.22	880	158	
24/09/2014	25/09/2014	1/10/2014	10	9.47	14	1.3	4.28	<1	0.22	300	274	
4/11/2014	5/11/2014	11/11/2014	7	8.48	10	4.8	7.1	<1	0.62	80	98.4	
26/11/2014	27/11/2014	4/12/2014	8	9.92	34	<0.1	2.16	<1	0.53	80	397	
17/12/2014	18/12/2014	31/12/2014	10	9.65	40	<0.1	2.22	<1	0.9	52	254	
29/01/2015	29/01/2015	5/02/2015	11	8.2	28	0.6	4.16	<1	0.53	333	147	
4/03/2015	5/03/2015	17/03/2015	9	9.52	45	0.1	3.87	<1	0.63	230	245	
31/03/2015	1/04/2015	13/04/2015	8	9.61	38	<0.1	3.68	<1	0.35	172	218	
22/04/2015	23/04/2015	2/05/2015	6	8.52	26	0.3	4.35	<1	0.3	6000	220	
19/05/2015	20/05/2015	29/05/2015	20	8.09	17	3.4	8.73	<1	0.23	190	169	
23/06/2015	24/06/2015	2/07/2015	11	7.67	14	5.1	9.11	<1	0.18	360	136	
28/07/2015	29/07/2015	6/08/2015	2	7.63	4	1.5	5.64	<1	0.1	260	32.1	

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SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED										
Limit			20	6.5-8.5	30		15	10	1	600		
1/09/2015	2/09/2015	8/09/2015	2	7.53	4	0.6	5.9	<1	0.09	260	36.5	
29/09/2015	30/09/2015	8/10/2015	17	8.33	16	0.3	4.5	<1	0.24	2	162	
27/10/2015	28/10/2015	6/11/2015	12	9.74	38	<0.1	2.98	<1	0.37	26	177	
18/11/2015	18/11/2015	26/11/2015	8	9.95	18	<0.1	2.21	<1	0.17	4	154	
15/12/2015	16/12/2015	23/12/2015	6	10	22	<0.1	1.98	<1	0.49	2	178	
26/01/2016	27/01/2016	5/02/2016	<2	9.36	22	0.8	3.98	<1	0.63	90	171	
23/02/2016	24/02/2016	3/03/2016	5	9.09	22	0.4	3.17	<1	0.55	540	113	
22/03/2016	23/03/2016	2/04/2016	8	9.3	26	0.6	4.87	<1	0.3	460	205	
26/04/2016	27/04/2016	5/05/2016	6	8	26	5.9	11.1	<1	0.3	3100	174	
31/05/2016	1/06/2016	15/06/2016	12	8.5	29	3	9.78	<1	0.24	496	173	
21/06/2016	22/06/2016	6/07/2016	2	7.67	6	0.5	6.21	<1	0.18	1400	29.6	
26/07/2016	27/07/2016	2/08/2016	<2	7.55	2	0.1	7.93	<1	0.14	240	6.8	
30/08/2016	31/08/2016	10/09/2016	7	8.17	11	<0.1	5.58	<1	0.28	740	64.7	
4/10/2016	5/10/2016	12/10/2016	<2	7.68	9	0.4	8.42	<1	0.18	1270	36.6	
25/10/2016	26/10/2016	3/11/2016	4	8.6	2	1.7	6.61	<1	0.13	30	2.48	
30/11/2016	30/11/2016	6/12/2016	7	7.7	7	8.6	11	<1	0.47	16	26.6	
20/12/2016	21/12/2016	3/01/2017	10	8.7	23	0.7	4.56	<1	0.45	6	164	
17/01/2017	18/01/2017	24/01/2017	18	9.02	52	0.8	7.64	<1	0.88	270	266	
7/02/2017	8/02/2017	8/02/2017	8	9.11	30	0.6	3.71	<1	0.64	4260	150	
21/03/2017	22/03/2017	22/03/2017	7	9.2	35	0.2	4.68	<1	0.58	1160	222	
25/04/2017	26/04/2017	4/05/2017	11	8.7	25	0.7	5.13	<1	0.32	1660	188	
23/05/2017	24/05/2017	30/05/2017	19	8.28	53	10.6	18.3	<1	0.44	2120	853	
27/06/2017	28/06/2017	4/07/2017	8	7.92	11	18.8	22.2	1	0.17	860	114	
25/07/2017	25/07/2017	31/07/2017	15	7.86	15	19.9	25.1	<1	0.18	80	200	
22/08/2017	23/08/2017	29/08/2017	9	7.88	10	5.8	10.3	<1	0.12	128	107	
26/09/2017	27/09/2017	5/10/2017	7	8.44	21	7	11	<1	0.23	122	286	
31/10/2017	1/11/2017	9/11/2017	9	8.34	29	3.2	8.17	<1	0.33	760	537	
28/11/2017	29/11/2017	5/12/2017	6	7.94	15	0.2	3.41	<1	0.18	1880	114	
19/12/2017	19/12/2017	2/01/2018	5	9.65	17	<0.1	2.32	<1	0.42	<2	198	
6/02/2018	7/02/2018	14/02/2018	6	8.89	14	<0.1	2.29	<1	0.26	320	153	
27/02/2018	28/02/2018	9/03/2018	6	8.81	26	0.6	4.91	<1	0.32	400	270	
27/03/2018	28/03/2018	6/04/2018	7	9.69	28	<0.1	3.57	<1	0.27	16	291	
23/04/2018	24/04/2018	4/05/2018	3	8.9	10	<0.1	2.85	<1	0.11	570	78.1	
22/05/2018	23/05/2018	4/06/2018	5	7.7	11	0.2	6.53	<1	0.12	1100	122	
26/06/2018	27/06/2018	2/07/2018	2	7.62	5	0.4	6.14	<1	0.07	<2	33.8	
31/07/2018	1/08/2018	10/08/2018	6	8.15	10	0.3	5	<1	0.12	48	160	
28/08/2018	29/08/2018	7/09/2018	6	8.83	10	<0.1	4.86	<1	0.12	2	168	

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SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED										
Limit			20	6.5-8.5	30		15	10	1	600		
18/09/2018	19/09/2018	27/09/2018	8	9.27	13	0.1	4.11	<1	0.18	<2	168	
22/10/2018	23/10/2018	7/11/2018	7	8.07	12	2.2	4.6	<1	0.3	36000	70.6	
27/11/2018	28/11/2018	11/12/2018	5	9.95	17	<0.1	3.03	<1	0.2	2	232	
18/12/2018	19/12/2018	2/01/2019	8	8.8	12	<0.1	7.03	<1	0.15	234	182	
29/01/2019	30/01/2019	7/02/2019	6	9.49	21	<0.1	2.35	<1	0.64	242	122	
26/02/2019	27/02/2019	8/03/2019	3	9.47	12	<0.1	2.45	<1	0.34	44	59.8	
26/03/2019	27/03/2019	9/04/2019	4	9.49	32	<0.1	5.33	<1	0.42	78	374	
29/04/2019	30/04/2019	13/05/2019	3	9.05	21	<0.1	5.38	<1	0.25	144	192	
27/05/2019	28/05/2019	13/06/2019	3	9.39	26	<0.1	5.1	<1	0.22	14	294	
25/06/2019	26/06/2019	8/07/2019	10	8.94	14	<0.1	5.45	<1	0.19	90	256	
23/07/2019	24/07/2019	2/08/2019	10	9.53	12	<0.1	5.37	<1	0.2	2	316	
26/08/2019	27/08/2019	9/09/2019	12	9.97	17	<0.1	3.62	<1	0.18	2	298	
30/09/2019	1/10/2019	15/10/2019	9	10.3	32	<0.1	3.71	<1	0.4	23000	213	
29/10/2019	30/10/2019	8/11/2019	55	7.66	46	<0.1	4.08	<1	0.42	2	1140	
25/11/2019	26/11/2019	9/12/2019	12	9.63	10	0.6	5.4	<1	0.37	50	94.3	
30/12/2019	31/12/2019	17/01/2020	13	8.97	19	0.1	3.43	<1	0.47	18	132	
28/01/2020	29/01/2020	11/02/2020	22	8.2	42	<1	4.13	<1	0.76	380	80	
26/02/2020	27/02/2020	13/03/2020	8	9.06	19	0.3	2.64	<1	0.42	82	103	
23/03/2020	24/03/2020	3/04/2020	5	9.41	16	2.6	6.76	<1	0.2	58	134	
21/04/2020	22/04/2020	4/05/2020	8	8.87	42	0.4	7.25	<1	0.43	70	353	
19/05/2020	20/05/2020	28/05/2020	10	8.13	18	5.1	8.01	<1	0.16	187	324	
23/06/2020	24/06/2020	30/06/2020	8	8.07	15	4.8	9.12	<1	0.14	440	322	
20/07/2020	21/07/2020	28/07/2020	16	7.99	18	5.1	10.7	<1	0.26	160	348	
18/08/2020	19/08/2020	27/08/2020	3	7.49	4	0.6	7.36	<1	0.38	296	21.2	
22/09/2020	23/09/2020	30/09/2020	10	8.93	18	0.1	2.97	<1	0.3	94	286	
19/10/2020	20/10/2020	26/10/2020	12	9.36	18	>0.1	2.73	<1	0.3	14	288	
16/11/2020	17/11/2020	24/11/2020	14	10.2	19	<0.1	3.25	<1	0.31	2	278	
15/12/2020	16/12/2020	29/12/2020	7	7.84	14	0.6	2.81	<1	0.4	98	126	
19/01/2021	20/01/2021	28/01/2021	10	8.94	18	0.1	2.61	<1	0.78	20	83.9	
15/02/2021	16/02/2021	23/02/2021	5	7.07	15	0.9	3.73	<1	0.43	77	76	
16/03/2021	17/03/2021	30/03/2021	9	7.31	26	0.1	3.7	<1	0.32	696	232	
19/04/2021	20/04/2021	29/04/2021	9	9.1	17	<0.1	3.47	<1	0.18	2	204	
18/05/2021	19/05/2021	27/05/2021	5	9.02	21	<0.1	3.91	<1	0.28	24	217	
21/06/2021	22/06/2021	28/06/2021	2	8.74	18	<0.1	4.62	<1	0.35	4140	296	
20/07/2021	21/07/2021	28/07/2021	2	7.77	6	<0.1	7.99	<1	0.2	17000	42.4	
18/08/2021	19/08/2021	25/08/2021	2	7.93	4	0.2	6.63	<1	0.23	46	16.7	
20/09/2021	21/09/2021	29/09/2021	3	7.51	9	<0.1	4.28	<1	0.23	196	81.7	

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Point 2
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Limit			20	6.5-8.5	30		15	10	1	600		
19/07/2012	19/07/2012	25/07/2012	2	7	8	0.3	6.1	0	0.47	7000	5.7	
21/08/2012	22/08/2012	27/08/2012	2	7.1	6	0.5	5.2	0	0.3	3200	14	
26/09/2012	27/09/2012	3/10/2012	4	7.3	3	1.8	6.3	0	0.22	9700	9.8	
31/10/2012	1/11/2012	6/11/2012	3	8	6	1.2	4	0	0.24	15000	63	
28/11/2012	29/11/2012	13/12/2012	5	7.5	8	1.9	4.9	0	1.3	44000	16	
18/12/2012	19/12/2012	24/12/2012	3	7.2	7	0.9	4.5	0	0.26	6800	31	
30/01/2013	31/01/2013	5/02/2013	2	6.8	8	1.1	4.5	0	0.35	8600	10	
27/02/2013	28/02/2013	7/03/2013	2	6.9	9	1.2	3.9	0	0.38	2200	110	
3/04/2013	4/04/2013	10/04/2013	2	7	6	2.5	5.6	0	0.23	7100	5.6	
1/05/2013	2/05/2013	7/05/2013	2	7.1	3	3.1	6.9	0	0.33	900	20	
29/05/2013	30/05/2013	4/06/2013	2	7.3	9	7.7	10	0	0.31	12000	63	
26/06/2013	27/06/2013	2/07/2013	2	6.9	9	0.5	11	0	0.31	9000	4.9	
24/07/2013	25/07/2013	30/07/2013	2	7.1	4	1.7	6.5	0	0.28	6700	6.9	
4/09/2013	5/09/2013	11/09/2013	2	7.7	5	3.6	5.7	0	0.3	5600	26	
25/09/2013	26/09/2013	2/10/2013	2	7.1	8	3.6	6.1	0	0.46	4500	62	
23/10/2013	24/10/2013	31/10/2013	3	7.2	8	4.8	7.3	0	0.39	1400	77	
27/11/2013	28/11/2013	9/12/2013	4	7.21	10	2.8	6.14	0	0.43	1660	84	
18/12/2013	19/12/2013	30/12/2013	4	7.29	12	1.5	4.22	0	0.53	4400	40.4	
30/01/2014	30/01/2014	10/02/2014	5	7.29	13	1.1	3.9	0	0.36	27000	30.4	
26/02/2014	27/02/2014	7/03/2014	2	7.29	3	1.2	3.41	0	0.32	25000	23.3	
27/03/2014	27/03/2014	5/04/2014	2	7.26	7	6.9	8.48	0	0.4	22000	23.7	
30/04/2014	1/05/2014	12/05/2014	7	7.46	18	12.9	15.3	0	0.94	9800	135	
29/05/2014	29/05/2014	10/06/2014	8	7.34	25	10.1	12.7	0	0.73	72000	83.9	
26/06/2014	26/06/2014	3/07/2014	2	7.09	4	6.8	9.55	0	0.25	139000	11.6	
7/08/2014	7/08/2014	15/08/2014	4	7.41	8	3.9	5.75	0	0.35	55000	11.3	
27/08/2014	28/08/2014	5/09/2014	2	7.09	3	1.6	5.29	0	0.23	8200	1.9	
24/09/2014	25/09/2014	1/10/2014	2	7.3	6	6.4	8.03	0	0.31	10800	19.3	
4/11/2014	5/11/2014	11/11/2014	3	7.51	12	8.9	11.2	0	0.54	4960	76.1	
26/11/2014	27/11/2014	4/12/2014	4	7.22	20	2	4.35	0	0.68	2140	112	
17/12/2014	18/12/2014	31/12/2014	2	7.73	18	1.7	3.59	0	0.59	10200	11.4	
29/01/2015	29/01/2015	5/02/2015	2	7.32	9	1.2	3.89	0	0.46	170	20	
4/03/2015	5/03/2015	17/03/2015	2		9	1	3.02	0	0.34	4400	31	
31/03/2015	1/04/2015	13/04/2015	4	7.02	11	3.3	5.77	0	0.27	3060	55.2	
22/04/2015	23/04/2015	2/05/2015	3	7.26	26	3.4	6.35	0	0.64	19300	27.4	
19/05/2015	20/05/2015	29/05/2015	3	7.45	10	10.2	12.8	0	0.26	2300	44.9	
23/06/2015	24/06/2015	2/07/2015	2	7.32	6	6.6	7.78	0	0.18	22700	11.9	
28/07/2015	29/07/2015	6/08/2015	2	7.1	2	1.4	4.81	0	0.13	1500	3.16	

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Limit			20	6.5-8.5	30		15	10	1	600		
1/09/2015	2/09/2015	8/09/2015	2	7.01	5	1.3	5.65	0	0.16	4020	1.5	
29/09/2015	30/09/2015	8/10/2015	2	7.91	5	3.7	5.26	0	0.23	800	6.05	
27/10/2015	28/10/2015	6/11/2015	2	7.49	8	1.7	3.73	0	0.22	4800	17.7	
18/11/2015	18/11/2015	26/11/2015	2	7.29	11	1	3.38	0	0.3	1840	23.6	
15/12/2015	16/12/2015	23/12/2015	4	7.26	10	3.5	5.88	0	0.3	2600	52	
26/01/2016	27/01/2016	5/02/2016	3	7.51	11	5.7	8.59	0	0.4	8600	53.3	
23/02/2016	24/02/2016	3/03/2016	3	7.46	8	2.5	4.52	0	0.36	10800	21.4	
22/03/2016	23/03/2016	2/04/2016	2	7.6	7	8	10	0	0.35	4500	29.6	
26/04/2016	27/04/2016	5/05/2016	4	7.83	9	18.8	21.1	0	0.41	9400	11.9	
31/05/2016	1/06/2016	15/06/2016	2	7.11	6	4.1	7.13	0	0.3	5920	7.7	
21/06/2016	22/06/2016	6/07/2016	2	7.15	6	0.5	9.78	0	0.34	21200	2.98	
26/07/2016	27/07/2016	2/08/2016	2	6.97	12	0.6	9.95	0	0.52	22400	1.92	
30/08/2016	31/08/2016	10/09/2016	3	7.33	7	1.2	6.02	0	0.34	1760	1.96	
4/10/2016	5/10/2016	12/10/2016	3	7.51	11	1.5	10.4	0	0.44	21900	6.3	
25/10/2016	26/10/2016	3/11/2016	4	7.12	10	3.7	8.15	0	0.36	1300	5.88	
30/11/2016	30/11/2016	6/12/2016	7	7.45	30	12.3	14.9	0	1.32	740	65.7	
20/12/2016	21/12/2016	3/01/2017	4	7.48	21	3.5	5.8	0	0.74	640	29.4	
17/01/2017	18/01/2017	24/01/2017	2	7.37	19	7.7	10.5	0	0.76	420	35.8	
7/02/2017	8/02/2017	8/02/2017	3	7.05	9	5.8	9.32	0	0.36	27000	12.5	
21/03/2017	22/03/2017	22/03/2017	2	7.34	10	1.7	5.17	0	0.24	37000	2.25	
25/04/2017	26/04/2017	4/05/2017	4	7.45	10	5.6	9.68	0	0.35	146000	9.94	
23/05/2017	24/05/2017	30/05/2017	8	7.62	13	24	26.1	0	0.48	89000	22.1	
27/06/2017	28/06/2017	4/07/2017	5	7.56	5	27.5	29.6	0	0.33	6200	9.62	
25/07/2017	25/07/2017	31/07/2017	2	7.82	3	24.4	26.9	0	0.15	1280	17.6	
22/08/2017	23/08/2017	29/08/2017	4	7.66	6	8	10.1	0	0.14	480	23.7	
26/09/2017	27/09/2017	5/10/2017	3	7.62	12	9.8	13	0	0.27	5200	83	
31/10/2017	1/11/2017	9/11/2017	6	7.78	11	8.3	12.1	0	0.23	4200	79.7	
28/11/2017	29/11/2017	5/12/2017	3	7.42	6	1.3	4.76	0	0.18	540	28	
19/12/2017	19/12/2017	2/01/2018	4	7.54	5	0.1	3.8	0	0.14	2600	57.6	
6/02/2018	7/02/2018	14/02/2018	6	7.77	13	0.3	4.66	0	0.16	5300	142	
27/02/2018	28/02/2018	9/03/2018	4	7.43	6	2.9	9.61	0	0.42	28000	12.3	
27/03/2018	28/03/2018	6/04/2018	2	7.36	3	0.4	5.45	0	0.09	2500	16.6	
23/04/2018	24/04/2018	4/05/2018	2	7	<2	0.6	6.3	0	0.08	2500	6.23	
22/05/2018	23/05/2018	4/06/2018	2	6.93	4	0.7	7.72	0	0.13	6100	30.9	
26/06/2018	27/06/2018	2/07/2018	2	7.08	4	0.6	5.91	0	0.11	928	8.19	
31/07/2018	1/08/2018	10/08/2018	2	7.36	5	1.9	5.98	0	0.17	2220	15.4	
28/08/2018	29/08/2018	7/09/2018	2	7.44	6	0.5	4.62	0	0.16	860	15.4	

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 1938**

**Point 2
Catch Pond**

DATE	SAMPLES RECEIVED	RESULTS ISSUED	BOD mg/L	pH	SUSPENDED SOLIDS mg/L	NITROGEN (AMMONIA) mg/L	TOTAL NITROGEN mg/L	OIL & GREASE	TOTAL PHOSPHORUS	FAECAL COLIFORMS CFU/100mL	CHLOROPHYLL A	Comments
Limit			20	6.5-8.5	30		15	10	1	600		
18/09/2018	19/09/2018	27/09/2018	5	7.37	11	0.2	6.79	0	0.1	1300	102	
22/10/2018	23/10/2018	7/11/2018	20	7.51	22	13.3	23.4	0	2.11	1000000	55	
27/11/2018	28/11/2018	11/12/2018	2	7.36	6	0.9	5.64	0	0.23	120	41.6	
18/12/2018	19/12/2018	2/01/2019	2	7.31	8	0.5	7.56	0	0.19	1130	7.3	
29/01/2019	30/01/2019	7/02/2019	4	7.69	8	0.9	4.89	0	0.23	10000	56.5	
26/02/2019	27/02/2019	8/03/2019	4	8.19	19	<0.1	5.52	0	0.35	4800	172	
26/03/2019	27/03/2019	9/04/2019	3	7.99	15	0.2	7.67	0	0.18	1700	138	
29/04/2019	30/04/2019	13/05/2019	3	7.27	6	0.5	7.93	0	0.21	4800	121	
27/05/2019	28/05/2019	13/06/2019	2	7.57	13	0.4	6.46	0	0.28	2920	112	
25/06/2019	26/06/2019	8/07/2019	4	7.36	4	0.9	8.92	0	0.33	640	15.3	
23/07/2019	24/07/2019	2/08/2019	2	7.49	3	0.4	5.45	0	0.2	26	16.3	
26/08/2019	27/08/2019	9/09/2019	2	7.22	5	0.4	4.47	0	0.28	238	19.2	
30/09/2019	1/10/2019	15/10/2019	23	7.12	26	4.4	14.8	0	2.83	<2	61.8	
29/10/2019	30/10/2019	8/11/2019	5	7.48	8	<0.1	3.77	0	0.16	3040	96.6	
25/11/2019	26/11/2019	9/12/2019	6	8.24	13	2.6	6.08	0	0.42	6000	85.1	
30/12/2019	31/12/2019	17/01/2020	15	7.85	31	0.3	3.69	0	0.61	5300	318	
28/01/2020	29/01/2020	11/02/2020	20	7.62	28	0.7	3.66	0	0.68	7900	103	
26/02/2020	27/02/2020	13/03/2020	10	7.45	15	10.2	10.3	0	0.34	1300	185	
23/03/2020	24/03/2020	3/04/2020	10	7.94	14	14.5	18	0	0.3	56000	155	
21/04/2020	22/04/2020	4/05/2020	7	7.52	11	7.3	9.6	0	0.34	9700	138	
19/05/2020	20/05/2020	28/05/2020	4	7.76	5	13.2	13	0	0.2	2220	20.6	
23/06/2020	24/06/2020	30/06/2020	2	7.69	3	5.7	7.35	0	0.09	4880	14.2	
20/07/2020	21/07/2020	28/07/2020	4	7.58	10	12.7	14.7	0	0.27	1760	89.5	
18/08/2020	19/08/2020	27/08/2020	4	7.16	7	0.9	7.51	0	0.34	2600	4.32	
22/09/2020	23/09/2020	30/09/2020	3	7.18	5	0.8	3.55	0	0.23	4200	34.8	
19/10/2020	20/10/2020	26/10/2020	3	7.2	6	1	3.74	0	0.37	800	11	
16/11/2020	17/11/2020	24/11/2020	4	7.24	7	0.8	3.71	0	0.36	420	16.6	
15/12/2020	16/12/2020	29/12/2020	7	7.79	18	1.4	4.47	0	0.48	1740	122	
19/01/2021	20/01/2021	28/01/2021	8	7.47	18	<0.1	4.77	0	0.53	2100	164	
15/02/2021	16/02/2021	23/02/2021	5	7.37	10	0.8	5.24	0	0.4	800	77	
16/03/2021	17/03/2021	30/03/2021	3	6.48	8	1.2	4.52	0	0.27	13400	26.9	
19/04/2021	20/04/2021	29/04/2021	9	6.75	11	0.5	4.77	0	0.26	432	187	
18/05/2021	19/05/2021	27/05/2021	3	6.65	7	0.6	5.58	0	0.38	8400		
21/06/2021	22/06/2021	28/06/2021	2	7.37	5	0.5	4.62	0	0.38	126000	21.7	
20/07/2021	21/07/2021	28/07/2021	2	7.85	7	0.2	9.02	0	0.33	68800	6.67	
18/08/2021	19/08/2021	25/08/2021	2	8.11	5	0.4	6.75	n/a	0.28	39000	12.3	
20/09/2021	21/09/2021	29/09/2021	2	7.02	5	0.6	4.83	n/a	0.26	31000	13.3	

**UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110**

Point 1

Discharge to Meadow Creek downstream of Hume Highway

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS	COMMENTS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
Limit			20		30	10		
24/01/2012	25/01/2012	2/02/2012	<2	7.9	6	<1	3.8	
28/02/2012	29/08/2012	7/03/2012	<2	7.7	5	<1	3.3	
20/03/2012	21/03/2012	27/03/2012	<2	7.8	3	<1	2.4	
25/04/2012	26/04/2012	1/05/2012	<2	7.7	5	<1	2.8	
29/05/2012	30/05/2012	5/06/2012	<2	8	<2	<1	2.3	
27/06/2012	27/06/2012	2/07/2012	<2	8.1	<2	<1	2.3	
24/07/2012	25/07/2012	31/07/2012	<2	8.2	3	<1	2.2	
22/08/2012	22/08/2012	27/08/2012	<2	8.2	3	<1	2.3	
25/09/2012	26/09/2012	2/10/2012	<2	8.3	4	<1	2.8	
30/10/2012	31/10/2012	5/11/2012	3	7.9	6	<1	3.2	
28/11/2012	29/11/2012	4/12/2012	3	7.9	8	<1	3.9	
19/12/2012	20/12/2012	27/12/2012	5	7.8	14	<1	3.9	
31/01/2013	31/01/2013	5/02/2013	4	8.1	13	<1	4.2	
27/02/2013	28/02/2013	5/03/2013	2	8	6	<1	4.6	
27/03/2013	28/03/2013	4/04/2013	3	8.3	10	<1	4.5	
29/05/2013	30/05/2013	4/06/2013	<2	7.9	3	<1	5.6	
26/06/2013	27/06/2013	2/07/2013	<2	8	9	<1	5.6	
30/07/2013	31/07/2013	5/08/2013	2	7.9	6	<1	5.9	
27/08/2013	28/08/2013	3/09/2013	4	8	10	<1	5.9	
2/10/2013	2/10/2013	10/10/2013	12	8.2	22	1	6.2	
29/10/2013	30/10/2013	4/11/2013	10	8	33	<1	6.5	
17/12/2013	18/12/2013	30/12/2013	8	8.57	19	<1	6.54	
4/02/2014	5/02/2014	13/02/2014	2	8.27	7	<1	6.3	
26/02/2014	26/02/2014	4/03/2014	3	8.15	8	<1	8.93	
28/03/2014	28/03/2014	8/04/2014	<2	8.43	18	<1	7.59	
21/04/2014	23/04/2014	1/05/2014	<2	8.47	15	<1	7.52	
29/05/2014	29/05/2014	10/06/2014	<2	7.88	6	<1	7.35	
30/06/2014	30/06/2014	7/07/2014	<2	8.24	4	<1	7.41	
30/07/2014	30/07/2014	8/08/2014	2	8.06	18	<1	6.09	
27/08/2014	27/08/2014	5/09/2014	<2	7.9	7	<1	5.28	
30/09/2014	1/10/2014	8/10/2014	10	8.9	17	<1	5.14	

**UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110**

Point 1

Discharge to Meadow Creek downstream of Hume Highway

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS	COMMENTS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
Limit			20		30	10		
28/10/2014	29/10/2014	3/11/2014	<2	8.13	11	<1	5.87	
18/11/2014	20/11/2014	26/11/2014	<2	8.06	9	<1	6.5	
22/12/2014	23/12/2014	5/01/2015	2	8.68	9	<1	6.23	
27/01/2015	28/01/2015	4/02/2015	8	8.51	18	<1	5.87	
25/02/2015	26/02/2015	4/03/2015	4	8.44	11	<1	6.7	
31/03/2015	1/04/2015	13/04/2015	<2	9.13	6	<1	4.15	
28/04/2015	29/04/2015	7/05/2015	<2	8.14	6	<1	6.23	
9/06/2015	10/06/2015	18/06/2015	<2	8.05	4	<1	5	
30/06/2015	1/07/2015	9/07/2015	<2	8.03	<2	<1	4.21	
28/07/2015	29/07/2015	4/08/2015	<2	8.28	<2	<1	3.73	
25/08/2015	26/08/2015	3/09/2015	<2	8.12	3	<1	3.61	
22/09/2015	23/09/2015	2/10/2015	<2	7.96	6	<1	4.54	
27/10/2015	28/10/2015	4/11/2015	3	8.26	7	<1	6.21	
17/12/2015	17/12/2015	30/12/2015	2	8.3	9	<1	7.15	
19/01/2016	20/01/2016	29/01/2016	3	8.28	6	<1	7.82	
1/03/2016	2/03/2016	10/03/2016	2	8.19	10	<1	8.2	
5/04/2016	6/04/2016	18/04/2016	<2	7.95	7	<1	6.98	
26/04/2016	27/04/2016	5/05/2016	<2	8.03	9	<1	7.46	
24/05/2016	25/05/2016	7/06/2016	<2	8.2	6	<1	6.28	
21/06/2016	22/06/2016	4/07/2016	<2	8.02	5	<1	4.81	
26/07/2016	27/07/2016	2/08/2016	<2	8.08	5	<1	3.88	
23/08/2016	24/08/2016	30/08/2016	<2	8.05	6	<1	3.75	
29/09/2016	29/09/2016	11/10/2016	<2	8.02	10	<1	2.64	
25/10/2016	26/10/2016	1/11/2016	<2	7.95	7	<1	3.07	
29/11/2016	30/11/2016	6/12/2016	2	8.35	8	<1	4.27	
20/12/2016	21/12/2016	3/01/2017	2	8.19	18	<1	4.79	
24/01/2017	25/01/2017	31/01/2017	<2	8.26	14	<1	6.06	
28/02/2017	1/03/2017	2/03/2017	6	8.44	24	<1	7.15	
28/03/2017	29/03/2017	5/04/2017	8	8.52	31	<1	6.73	
28/04/2017	28/04/2017	8/05/2017	3	7.96	17	<1	6.35	
23/05/2017	24/05/2017	30/05/2017	2	7.99	8	<1	5.86	

**UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110**

Point 1

Discharge to Meadow Creek downstream of Hume Highway

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS	COMMENTS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
Limit			20		30	10		
27/06/2017	28/06/2017	4/07/2017	<2	8.03	14	1	5.35	
22/08/2017	23/08/2017	29/08/2017	2	8.09	7	<1	5.04	
26/09/2017	27/09/2017	5/10/2017	<2	8.15	11	<1	5.54	
25/10/2017	26/10/2017	1/11/2017	<2	8.24	5	<1	6.13	
29/11/2017	29/11/2017	4/12/2017	<2	8.02	6	<1	6.75	
18/12/2017	20/12/2017	29/12/2017	<2	8.03	6	<1	6.18	
24/01/2018	24/01/2018	1/02/2018	<2	8.34	16	<1	5.81	
27/02/2018	28/02/2018	9/03/2018	15	8.41	29	<1	6.82	
27/03/2018	28/03/2018	6/04/2018	5	8.01	19	<1	7.21	
30/04/2018	1/05/2018	8/05/2018	3	8.02	21	<1	7.08	
29/05/2018	30/05/2018	6/06/2018	5	7.96	20	<1	5.57	
26/06/2018	27/06/2018	2/07/2018	2	7.86	11	<1	5.33	
24/07/2018	25/07/2018	31/07/2018	<2	7.98	5	<1	5.3	
28/08/2018	29/08/2018	7/09/2018	3	8.05	8	<1	4.98	
25/09/2018	26/09/2018	5/10/2018	3	7.94	9	<1	5.57	
30/10/2018	31/10/2018	6/11/2018	2	8.12	7	<1	5.2	
27/11/2018	27/11/2018	7/12/2018	4	8.22	4	<1	3.8	
18/12/2018	19/12/2018	2/01/2019	<2	8.14	10	<1	4.61	
29/01/2019	30/01/2019	12/02/2019	3	8.27	23	<1	4.9	
26/02/2019	27/02/2019	14/03/2019	7	8.7	54	<1	5.42	
26/03/2019	27/03/2019	5/04/2019	5	8.38	24	<1	5.39	
30/04/2019	1/05/2019	15/05/2019	<2	7.9	10	<1	5.81	
21/05/2019	22/05/2019	4/06/2019	<2	8	5	<1	5.55	
25/06/2019	26/06/2019	8/07/2019	3	8.18	8	<1	5.19	
30/07/2019	31/07/2019	9/08/2019	<2	7.99	7	<1	5.24	
27/08/2019	28/08/2019	6/09/2019	<2	8.3	3	<1	5.27	
24/09/2019	25/09/2019	2/10/2019	5	8.13	15	<1	6.91	
29/10/2019	30/10/2019	8/11/2019	2	8.13	4	<1	0.03	
27/11/2019	27/11/2019	9/12/2019	3	8.09	21	<1	7.57	
23/12/2019	23/12/2019	13/01/2020	5	8.54	24	<1	6.09	
29/01/2020	29/01/2020	11/02/2020	3	8.3	5	<1	0.92	

**UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110**

Point 1

Discharge to Meadow Creek downstream of Hume Highway

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS	COMMENTS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
Limit			20		30	10		
27/02/2020	27/02/2020	13/03/2020	2	7.92	17	<1	8.38	
29/03/2020	30/03/2020	14/04/2020	<2	8.11	8	<1	8.36	
28/02/2020	29/04/2020	6/05/2020	5	8.23	7	<1	7.77	
26/05/2020	27/05/2020	4/06/2020	<2	8.05	4	<1	6.16	
3/07/2020	3/07/2020	13/07/2020	<2	8.19	3	<1	5.47	
28/07/2020	29/07/2020	5/08/2020	<2	8.16	3	<1	5.42	
31/08/2020	1/09/2020	8/09/2020	<2	8.02	19	<1	3.09	
29/09/2020	30/09/2020	8/10/2020	2	7.74	5	<1	4.47	
27/10/2020	28/10/2020	5/11/2020	<2	7.6	11	<1	4.73	
24/11/2020	25/11/2020	4/12/2020	5	8.08	9	<1	5.08	
22/12/2020	22/12/2020	5/01/2021	4	8.18	16	<1	5.13	
27/01/2021	27/01/2021	4/02/2021	7	8	19	<1	5.68	
25/02/2021	25/02/2021	9/03/2021	4	8.11	13	<1	5.98	
29/03/2021	30/03/2021	12/04/2021	4	8.09	10	<1	4.41	
27/04/2021	28/04/2021	4/05/2021	9	8.19	19	<1	3.86	
27/05/2021	27/05/2021	7/06/2021	<2	8.03	11	<1	4.86	
22/06/2021	23/06/2021	30/06/2021	<2	7.57	10	<1	4.62	
27/07/2021	28/07/2021	3/08/2021	<2	7.53	9	<1	0.07	
24/08/2021	25/08/2021	1/09/2021	<2	8.16	10	<1	3.56	
28/09/2021	29/09/2021	8/10/2021	3	7.99	8	<1	3.14	
26/10/2021	27/10/2021	4/11/2021	3	8.01	5	<1	3.07	
22/11/2021	23/11/2021	2/12/2021	<2	7.98	<2	<1	2.46	
20/12/2021	21/12/2021	31/12/2021	3	8.12	8	<1	3.05	
31/01/2022	31/01/2022	8/02/2022	6	8.51	21	<1	2.86	
28/02/2022	28/02/2022	8/03/2022	22	9.01	47	<1	3.17	
29/03/2022	30/03/2022	7/04/2022	8	8.81	38	<1	3.6	
26/04/2022	27/04/2022	4/05/2022	5	8.28	26	<1	2.95	
30/05/2022	31/05/2022	9/06/2022	2	7.69	4	<1	2.44	
27/07/2022	28/07/2022	9/08/2022	<2	8.16	5	<1	2.74	
30/08/2022	31/08/2022	6/09/2022	2	7.82	11	<1	3.4	
28/09/2022	29/09/2022	7/10/2022	2	8	9	<1	4.52	

**UPPER LACHLAN SHIRE COUNCIL
GUNNING WASTE WATER TREATMENT WORKS
EPA LICENCE NO. 3110**

Point 1

Discharge to Meadow Creek downstream of Hume Highway

DATE			BOD mg/L	pH	SUSPENDED SOLIDS mg/L	OIL & GREASE	TOTAL PHOSPHORUS	COMMENTS
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
Limit			20		30	10		
26/10/2022	27/10/2022	7/11/2022	2	7.96	5	<1	3.51	
30/11/2022	1/12/2022	8/12/2022	6	8.37	9	<1	1.88	
20/12/2022	20/12/2022	3/01/2023	5	8.14	7	<1	2.37	
30/01/2023	30/01/2023	8/02/2023	9	9.05	20	<1	2.3	
28/02/2023	28/02/2023	8/03/2023	8	8.51	22	<1	4.31	
30/03/2023	30/03/2023	12/04/2023	9	8.34	21	<1	4.76	
26/04/2023	27/04/2023	5/05/2023	2	8.13	6	<1	4.45	
24/05/2023	25/05/2023	7/06/2023	<2	7.68	3	<1	5.49	
12/07/2023	13/07/2023	24/07/2023	2	8.08	3	<1	3.54	
29/08/2023	29/08/2023	7/09/2023	<2	8.1	18	<1	3.89	
25/09/2023	26/09/2023	6/10/2023	<2	8.13	14	<1	4.48	
24/10/2023	25/10/2023	3/11/2023	<2	8.13	16	<1	4.77	
20/11/2023	21/11/2023	30/11/2023	3	7.85	12	<1	5.3	
20/12/2023	21/12/2023	4/01/2024	2	8	24	<1	5.29	
23/01/2024	23/01/2024	1/02/2024	4	8.12	28	<1	4.77	
19/02/2024	20/02/2024	29/02/2024	9	9.15	43	<1	3.13	