

**EPA LICENCE MONITORING RESULTS
TO 4 SEPTEMBER 2013**

Environment Protection Licence: 803 (Nambucca Heads STP)

The tables below identify the environmental monitoring results for the fortnightly sampling as required by the Environmental Protection Licence.

STP (Fortnightly Sampling)

Date	BOD (mg/L)	TSS (mg/L)	Oil and Grease (mg/L)	Faecal Coliforms	Total P (mg/L)	Total Nitrogen (mg/L)	pH	Ammonia (NH ₃)
11/07/2012	3	4	<2	4	0.27	6.37	7.56	1.45
31/7/2012	2	5	<2	6	0.20	15.4	7.23	7.55
8/8/2012	4	5	<2	6	0.15	23.6	7.51	19.9
22/8/2012	4	6	<2	110	0.24	21.6	7.84	16.7
5/09/2012	6	6	<2	0	0.28	22	7.95	14.6
19/9/2012	6	7	<2	5	0.23	10.4	7.25	1.10
3/10/2012	3	3	<2	4	0.26	6.83	7.65	0.68
17/10/2012	3	4	<2	3	1.83	6.98	7.02	0.17
21/10/2012	7	11	<2	10	2.81	7.70	6.89	0.57
14/11/2012	4	7	<2	645	2.59	10.2	7.01	0.43
28/11/2012	4	7	<2	390	2.86	6.94	6.91	0.62
12/12/2012	3	4	<2	15	0.71	8.36	6.9	0.68
3/1/2013	4	2	<2	tntc	0.40	7.10	6.84	2
10/1/2013	3	<2	<2	15	0.56	7.05	6.89	0.74
31/1/2013	<2	3	<2	0	0.51	4.54	6.91	0.14
21/2/2013	<2	7	<2	0	1.90	7.06	6.85	0.18
6/3/2013	<2	<2	<2	85	0.73	5.26	6.80	0.22
20/3/2013	<2	3	<2	36	0.83	5.25	6.90	0.18
10/4/2013	<2	3	<2	0	0.80	4.78	6.81	0.51
23/4/2013	3	5	2	30	0.58	7.98	6.87	0.59
8/5/2013	2	2	<2	48	0.95	8.08	6.91	1.08
21/05/2013	<2	2	<2	18	3.83	7.22	6.84	0.19
18/6/2013	<2	8	<2	740	0.63	5.72	6.95	0.28
3/7/2013	<2	8	<2	640	0.89	5.94	7	0.26
17/7/2013	<2	8	<2	55	0.86	4.46	7.1	0.26
31/7/2013	4	42	<2	tntc	2.1	4.57	6.98	0.90
15/8/2013	<2	<2	<2	45	0.54	3.69	6.87	0.22
28/8/2013	3	6	<2	28	0.74	3.67	7.1	0.27

Environment Protection Licence: 579 (Macksville STP)

The tables below identify the environmental monitoring results for the fortnightly sampling as required by the Environmental Protection Licence.

STP (Fortnightly Sampling)

Date	BOD (mg/L)	TSS (mg/L)	Oil and Grease (mg/L)	Feecal Coliforms	Total P (mg/L)	Total Nitrogen (mg/L)	pH	Ammonia (NH ₃)
4/07/2012	<2	4	<2	0	0.5	4.87	7.1	0.55
27/07/2012	<2	14	<2	20	0.2	8.15	7.2	1.19
15/8/2012	<2	6	<2	8	0.12	12.1	7.6	6.19
29/8/2012	<2	11	<2	48	0.13	10.3	7.2	2.67
12/9/2012	<2	9	<2	11	0.19	8.68	7.1	1.29
26/9/2012	4	13	<2	9	0.13	7.10	7.2	0.3
9/10/2012	4	11	<2	63	0.14	7.28	7.3	0.44
24/10/2012	10	40	<2	54	0.42	8.01	7.1	0.79
7/11/2012	9	16	<2	72	0.32	27.4	6.9	24.2
22/11/2012	70	63	2	400	1.39	22.3	6.5	18.5
5/12/2012	27	22	<2	tntc	0.77	19.6	6.4	12.2
15/12/12	9	12	<2	16	0.17	7.20	6.5	0.88
3/1/2013	10	13	<2	50	0.32	13	6.8	9.70
16/1/2013	>114	103	5	180	1.79	25.1	6.5	17.9
31/1/2013	<4	4	<2	60	0.08	3.78	6.4	1.06
7/2/2013	<2	3	<2	10	0.33	6.45	6.4	0.19
13/2/2013	10	18	<2	230	0.33	6.83	6.4	2.37
27/2/2013	3	4	<2	6	0.11	5.62	6.9	2.66
13/3/2013	2	3	<2	16	0.32	4.51	6.9	0.37
27/3/2013	4	4	<2	0	0.23	5.85	7	0.94
3/4/2013	<2	10	<2	0	0.12	6.89	6.9	0.53
1/5/2013	<2	6	<2	42	0.04	7.72	6.8	0.37
15/5/2013	<2	5	<2	0	0.07	9.39	6.9	0.07
22/5/2013	<2	18	<2	4	0.14	6.92	6.8	0.34
17/6/2013	<2	4	<2	0	0.07	4.57	6.9	0.34
27/6/2013	<2	<2	<2	0	0.06	4.79	7.1	0.37
10/7/2013	<2	6	<2	0	0.06	6.43	7	0.47
25/7/2013	3	5	<2	7	0.1	8.71	6.9	3.2
21/8/2013	<2	4	<2	1	0.11	6.42	7.1	0.35
4/9/2013	<2	7	<2	33	0.05	7	7.2	0.38

Environment Protection Licence: 587 (Bowraville STP)

The tables below identify the environmental monitoring results for the monthly sampling as required by the Environmental Protection Licence.

STP (Monthly Sampling)

Date	BOD (mg/L)	TSS (mg/L)	Oil and Grease (mg/L)	Feecal Coliforms
11/7/2012	5	4	<2	110
8/8/2012	6	4	<2	1700
5/9/2012	11	15	<2	TNTC
3/10/2012	16	25	<2	410
31/10/2012	9	19	<2	2120
28/11/2012	11	60	<2	0
3/1/2013	12	48	<2	TNTC
31/1/2012	22	33	<2	TNTC
20/2/2013	7	17	<2	8000
20/3/2013	6	12	<2	1580
10/4/2013	9	14	<2	1370
8/05/2013	8	14	<2	1400
18/6/2013	4	21	<2	TNTC
4/7/2013	9	13	<2	13000
31/7/2013	25	76	<2	TNTC
28/8/2013	8	7	<2	TNTC

Note; TNTC = Too Numerous To Count

Environment Protection Licence: 2564 (Scotts Head STP)

The tables below identify the environmental monitoring results for the sampling as required by the Environmental Protection Licence.

STP (Monthly Sampling)

Date	BOD (mg/L)	TSS (mg/L)	Oil and Grease (mg/L)	Feecal Coliforms
18/07/2012	<2	9	<2	12000
15/8/2012	9	57	<2	TNTC
12/9/2012	11	24	<2	4500
9/10/2012	7	15	4	2400
7/11/2012	<2	6	<2	TNTC
5/12/12	27	22	<2	TNTC
3/1/13	24	50	<2	TNTC
30/1/2013	<4	6	<2	TNTC
28/2/2013	9	21	<2	2700
27/3/2013	4	8	<2	TNTC
15/5/2013	<2	5	<2	TNTC
10/7/2013	<2	5	<2	TNTC
7/8/2013	3	14	<2	TNTC
5/9/2013	<2	7	<2	TNTC

Note; TNTC = Too Numerous To Count

Monitoring Bore 1sg2 (Quarterly Sampling)

Date	Conductivity (msm/cm)	Feecal Coliforms	Total Nitrogen (mg/L)	Total P (mg/L)	pH
12/9/2012	0.541	0	1.05	1.04	7.12
7/11/2012	0.871	0	0.35	0.07	6.8
4/2/2013	0.658	136	6.93	0.14	6.9
28/2/2013	0.521	10	6.58	0.26	6.7
15/5/2013	0.321	20	2.59	0.67	7.12
10/7/2013	0.312	30	3	0.62	7.20

Monitoring Bore 2sg3 (Quarterly Sampling)

Date	Conduc tivity (msm/c m)	Feecal Coliforms	Total Nitrogen (mg/L)	Total P (mg/L)	pH
12/9/2012	0.841	0	12.8	2.29	6.25
7/11/2012	0.614	0	4.63	1.60	7.3
4/2/2013	0.741	tntc	2.40	0.77	6.8
28/2/2013	0.541	20	0.70	0.07	6.7
15/5/2013	0.654	0	3.61	0.42	7.11
10/7/2013	0.621	120	1.58	0.44	7.10