

**EPA LICENCE MONITORING RESULTS  
TO 13 June 2014**

**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)	Feacal Coliforms	Total P (mg/L)	Total Nitrogen (mg/L)	pH	Ammonia (NH <sub>3</sub> )
03/01/2013	4	2	<2	TNTC	0.40	7.10	6.84	2
10/01/2013	3	<2	<2	15	0.56	7.05	6.89	0.74
31/01/2013	<2	3	<2	0	0.51	4.54	6.91	0.14
21/02/2013	<2	7	<2	0	1.90	7.06	6.85	0.18
06/03/2013	<2	<2	<2	85	0.73	5.26	6.80	0.22
20/03/2013	<2	3	<2	36	0.83	5.25	6.90	0.18
10/04/2013	<2	3	<2	0	0.80	4.78	6.81	0.51
23/04/2013	3	5	2	30	0.58	7.98	6.87	0.59
08/05/2013	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
18/06/2013	<2	8	<2	740	0.63	5.72	6.95	0.28
03/07/2013	<2	8	<2	640	0.89	5.94	7	0.26
17/07/2013	<2	8	<2	55	0.86	4.46	7.1	0.26
31/07/2013	4	42	<2	TNTC	2.1	4.57	6.98	0.90
15/08/2013	<2	<2	<2	45	0.54	3.69	6.87	0.22
28/08/2013	3	6	<2	28	0.74	3.67	7.1	0.27
11/09/2013	3	6	<2	94	0.97	4.62	6.99	0.37
25/09/2013	3	5	<2	36	1.31	4.63	6.89	0.30
09/10/2013	<2	2	<2	18	1.87	7.02	6.95	0.31
23/10/2013	3	3	<2	14	1.13	5.07	6.97	0.46
06/11/2013	2	2	<2	10	1.49	5.45	7.1	0.19
20/11/2013	3	5	<2	34	0.85	5.26	7	0.23
04/12/2013	<2	6	<2	36	0.59	3.79	7.1	0.10
18/12/2013	<2	67	<2	96	1.03	4.31	7.12	0.17
09/01/2014	3	12	<2	28	0.86	4.59	7.02	0.45
16/01/2014	3	19	<2	85	1.21	3.74	7.03	0.36
29/01/2014	<2	6	<2	68	0.99	3.12	7.12	0.36
12/02/2014	2	6	<2	22	0.55	2.67	7.10	0.18
26/02/2014	3	11	<2	150	0.72	3.49	7.05	0.16
18/03/2014	5	14	<2	960	0.62	3.47	7.13	0.47
26/03/2014	3	10	<2	45	0.57	10.6	7.10	2.44
09/04/2014	2	14	<2	105	0.71	4.98	7.3	0.22
21/04/2014	4	3	<2	40	0.36	5.15	7.1	0.50
07/05/2014	<2	3	<2	25	0.15	3.73	7.12	0.21
21/05/2014	<2	5	<2	10	0.18	3.03	6.89	0.29

**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 <sub>3</sub> )
03/01/2013	10	13	<2	50	0.32	13	6.8	9.70
16/01/2013	>114	103	5	180	1.79	25.1	6.5	17.9
31/01/2013	<4	4	<2	60	0.08	3.78	6.4	1.06
07/02/2013	<2	3	<2	10	0.33	6.45	6.4	0.19
13/02/2013	10	18	<2	230	0.33	6.83	6.4	2.37
27/02/2013	3	4	<2	6	0.11	5.62	6.9	2.66
13/03/2013	2	3	<2	16	0.32	4.51	6.9	0.37
27/03/2013	4	4	<2	0	0.23	5.85	7	0.94
03/04/2013	<2	10	<2	0	0.12	6.89	6.9	0.53
01/5/2013	<2	6	<2	42	0.04	7.72	6.8	0.37
15/05/2013	<2	5	<2	0	0.07	9.39	6.9	0.07
22/05/2013	<2	18	<2	4	0.14	6.92	6.8	0.34
17/06/2013	<2	4	<2	0	0.07	4.57	6.9	0.34
27/06/2013	<2	<2	<2	0	0.06	4.79	7.1	0.37
10/07/2013	<2	6	<2	0	0.06	6.43	7	0.47
25/07/2013	3	5	<2	7	0.1	8.71	6.9	3.2
21/08/2013	<2	4	<2	1	0.11	6.42	7.1	0.35
04/09/2013	<2	7	<2	33	0.05	7	7.2	0.38
18/09/2013	8	8	<2	20	0.26	11.1	7.1	0.80
08/10/2013	3	8	<2	460	0.17	7.44	6.8	0.29
16/10/2013	50	48	<2	78	1.27	12.9	7.2	1.59
30/10/2013	4	12	<2	TNTC	0.24	7.92	6.8	0.29
13/11/2013	4	14	<2	130	0.17	6.47	6.9	1.52
27/11/2013	5	6	<2	60	0.15	5.58	6.8	0.50
11/12/2013	6	12	<2	0	0.20	5.19	6.9	0.37
07/01/2014	7	18	3	142	0.79	8.95	6.9	0.63
22/01/2014	5	9	<2	12	0.75	7.36	6.9	0.42
05/02/2014	24	34	<2	TNTC	1.28	8.15	6.8	0.83
19/02/2014	6	10	<2	160	0.26	6.04	7.1	0.58
05/03/2014	8	34	<2	12	0.50	6.95	7.2	0.13
19/03/2014	4	18	<2	4	0.31	6.85	6.9	0.68
02/04/2014	12	25	<2	<5	0.41	5.72	7.1	1.10
16/04/2014	4	22	<2	0	0.29	6.65	7	0.82
30/04/2014	2	8	<2	5	0.10	6.39	6.8	0.60
14/05/2014	2	5	<2	24	0.11	7.32	7.1	0.33
29/05/2014	<2	6	<2	16	0.09	6.09	7.1	0.20

**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
03/01/2013	12	48	<2	TNTC
31/01/2012	22	33	<2	TNTC
20/02/2013	7	17	<2	8000
20/03/2013	6	12	<2	1580
10/04/2013	9	14	<2	1370
08/05/2013	8	14	<2	1400
18/06/2013	4	21	<2	TNTC
04/07/2013	9	13	<2	13000
31/07/2013	25	76	<2	TNTC
28/08/2013	8	7	<2	TNTC
25/09/2013	9	5	<2	TNTC
23/10/2013	15	31	<2	2600
20/11/2013	3	20	<2	1500
18/12/2013	11	45	2	10
15/01/2014	11	57	<2	0
12/02/2014	40	170	<2	220
18/03/2014	11	71	<2	5900
07/05/2014	198	544	10	11700

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
030/1/13	24	50	<2	TNTC
30/01/2013	<4	6	<2	TNTC
28/02/2013	9	21	<2	2700
27/03/2013	4	8	<2	TNTC
15/05/2013	<2	5	<2	TNTC
10/07/2013	<2	5	<2	TNTC
07/08/2013	3	14	<2	TNTC
05/09/2013	<2	7	<2	TNTC
02/10/2013	13	45	<2	TNTC
30/10/2013	4	12	<2	TNTC
27/11/2013	3	5	<2	TNTC
08/01/2014	11	23	<2	TNTC
22/01/2014	16	35	4	TNTC
19/02/2014	10	19	<2	TNTC
19/03/2014	7	21	<2	TNTC
16/04/2014	7	10	<2	TNTC
14/05/2014	6	10	<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
12/09/2012	0.541	0	1.05	1.04	7.12
07/11/2012	0.871	0	0.35	0.07	6.8
04/02/2013	0.658	136	6.93	0.14	6.9
28/02/2013	0.521	10	6.58	0.26	6.7
15/05/2013	0.321	20	2.59	0.67	7.12
10/07/2013	0.312	30	3	0.62	7.20
02/10/2013	0.411	22	0.55	1.67	7.18
20/02/2014	0.410	140	0.34	0.04	7.20
15/05/2014	0.621	<5	3.11	1.75	7.31

**Monitoring Bore 2sg3 (Quarterly Sampling)**

<b>Date</b>	<b>Conductivity (msm/cm)</b>	<b>Feecal Coliforms</b>	<b>Total Nitrogen (mg/L)</b>	<b>Total P (mg/L)</b>	<b>pH</b>
12/09/2012	0.841	0	12.8	2.29	6.25
07/11/2012	0.614	0	4.63	1.60	7.3
04/02/2013	0.741	TNTC	2.40	0.77	6.8
28/02/2013	0.541	20	0.70	0.07	6.7
15/05/2013	0.654	0	3.61	0.42	7.11
10/07/2013	0.621	120	1.58	0.44	7.10
02/10/2013	0.452	100	7.30	0.29	7.21
19/02/2014	0.489	0	3.72	1.42	7.10
14/05/2014	0.612	5	8.95	2.76	7.22