

**EPA LICENCE MONITORING RESULTS
TO 30 APRIL 2015**

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) | Feecal Coliforms | Total P (mg/L) | Total Nitrogen (mg/L) | pH | Ammonia (NH ₃) |
|------------|------------|------------|-----------------------|------------------|----------------|-----------------------|------|----------------------------|
| 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 |
| 05/06/2014 | <2 | 4 | <2 | 30 | 0.32 | 3.93 | 6.88 | 0.22 |
| 19/06/2014 | <2 | 3 | <2 | 12 | 0.29 | 4.38 | 7.01 | 0.50 |
| 02/07/2014 | <2 | 2 | <2 | 36 | 0.26 | 5.09 | 6.88 | 0.36 |
| 16/07/2014 | 2 | 4 | <2 | 4 | 0.25 | 4.74 | 6.9 | 0.66 |
| 30/07/2014 | 4 | 4 | <2 | TNTC | 0.23 | 4.92 | 6.8 | 1.36 |
| 13/08/2014 | 4 | <2 | <2 | 310 | 0.29 | 6.12 | 7.3 | 2.60 |
| 27/08/2014 | 6 | 15 | <2 | TNTC | 0.51 | 7.52 | 7.2 | 4.46 |
| 10/09/2014 | 6 | 6 | <2 | 30 | 0.21 | 11.1 | 7.3 | 7.51 |
| 24/09/2014 | <2 | 3 | <2 | 8 | 0.12 | 7.03 | 7.4 | 2.13 |
| 08/10/2014 | 2 | 5 | <2 | 25 | 0.14 | 6.77 | 7.2 | 2.14 |
| 22/10/2014 | <2 | 3 | <2 | TNTC | 0.21 | 6.28 | 7.3 | 0.96 |
| 06/11/2014 | 4 | 5 | <2 | 22 | 0.51 | 4.24 | 7.1 | 0.20 |
| 19/11/2014 | 2 | 7 | 3 | TNTC | 0.49 | 4.09 | 7.2 | 0.15 |
| 04/12/2014 | 2 | 6 | <2 | 10 | 0.35 | 4.02 | 7.1 | 0.16 |
| 17/12/2014 | 4 | 9 | <2 | 16 | 0.47 | 3.68 | 7.3 | 0.10 |
| 07/01/2015 | 3 | 7 | <2 | 510 | 0.76 | 4.38 | 7.2 | 0.48 |
| 14/01/2015 | 6 | 7 | <2 | 16 | 0.91 | 3.86 | 7.3 | 0.44 |
| 28/01/2015 | 3 | 4 | <2 | 1300 | 0.15 | 3.42 | 7.1 | 0.42 |
| 18/02/2015 | 4 | 3 | <2 | 120 | 0.68 | 3.67 | 7.5 | 1.45 |
| 25/02/2015 | <2 | <2 | <2 | 15 | 0.51 | 3.53 | 7.3 | 0.74 |
| 12/03/2015 | 5 | 14 | <2 | 45 | 0.80 | 4 | 7.4 | 1.11 |
| 25/03/2015 | 3 | 5 | <2 | 115 | 1.02 | 3.79 | 7.6 | 0.86 |
| 08/04/2015 | 2 | 5 | <2 | 120 | 0.73 | 8.56 | 7.4 | 5.96 |
| 22/04/2015 | 3 | 5 | 3 | 18 | 0.64 | 0.24 | 7.5 | 7.25 |

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) |
|------------|------------|------------|-----------------------|------------------|----------------|-----------------------|-----|----------------------------|
| 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 | 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 |
| 12/06/2014 | 2 | 9 | <2 | 5 | 0.18 | 6.90 | 7.0 | 0.56 |
| 25/06/2014 | <2 | 5 | <2 | 6 | <0.13 | 6.74 | 6.8 | 0.23 |
| 09/07/2014 | <2 | 5 | <2 | 10 | 0.14 | 6.94 | 6.9 | 0.53 |
| 31/07/2014 | <2 | 17 | <2 | 28 | 0.19 | 6.38 | 6.8 | 0.28 |
| 06/08/2014 | <2 | 8 | <2 | 0 | 0.12 | 5.01 | 7.3 | 0.13 |
| 20/08/2014 | <2 | 4 | <2 | 0 | 0.15 | 5.31 | 7.4 | 0.26 |
| 03/09/2014 | 6 | 15 | <2 | 10 | 0.31 | 6.31 | 7.2 | 1.31 |
| 23/09/2014 | 3 | 4 | <2 | 0 | 0.15 | 12 | 7.3 | 4.46 |
| 06/10/2014 | 22 | 26 | <2 | 45 | 0.83 | 22.3 | 7.2 | 9.66 |
| 15/10/2014 | 21 | 52 | 2 | 78 | 0.82 | 28 | 7.3 | 15.9 |
| 29/10/2014 | 17 | 19 | 2 | 92 | 0.47 | 19.8 | 7.1 | 10.5 |
| 12/11/2014 | 7 | 14 | <2 | 156 | 0.35 | 8.72 | 7.1 | 1.42 |
| 26/11/2014 | 9 | 23 | <2 | 52 | 0.28 | 7.65 | 6.9 | 1.17 |
| 10/12/2014 | 3 | 12 | <2 | 5 | 0.15 | 7.43 | 7.2 | 0.22 |
| 18/12/2014 | 7 | 14 | <2 | TNTC | 0.17 | 6.60 | 7.3 | 0.06 |
| 07/01/2015 | 8 | 28 | <2 | 0 | 0.28 | 5.73 | 7.2 | <0.05 |
| 21/01/2015 | 7 | 33 | <2 | 0 | 0.33 | 9.00 | 7.3 | 0.09 |
| 04/02/2015 | 4 | 9 | <2 | TNTC | 0.21 | 3.96 | 7.2 | 0.27 |
| 19/02/2015 | 4 | 7 | <2 | 80 | 0.15 | 6.21 | 7.3 | 0.30 |
| 04/03/2015 | 4 | 5 | <2 | 80 | 0.13 | 8.63 | 7.4 | 0.41 |
| 25/03/2015 | 5 | 10 | 2 | 25 | 0.11 | 5.62 | 7.6 | 0.40 |
| 01/04/2015 | 4 | 14 | <2 | 20 | 0.11 | 6.50 | 7.4 | 0.51 |
| 16/04/2015 | 8 | 12 | <2 | 120 | 0.12 | 7.24 | 7.3 | 0.20 |
| 30/04/2015 | 9 | 22 | <2 | 144 | 0.21 | 8.92 | 7.3 | 0.26 |

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 | Total P (mg/L) | Total Nitrogen (mg/L) |
|------------|------------|------------|-----------------------|------------------|----------------|-----------------------|
| 15/01/2014 | 11 | 57 | <2 | 0 | | |
| 12/02/2014 | 40 | 170 | <2 | 220 | | |
| 18/03/2014 | 11 | 71 | <2 | 5900 | | |
| 09/04/2014 | 31 | 36 | <2 | 3200 | 3 | 16.3 |
| 07/05/2014 | 169 | 4140 | 21 | TNTC | 10.7 | 26.9 |
| 04/06/2014 | 37 | 32 | <2 | 8900 | 5.97 | 18.6 |
| 02/07/2014 | 19 | 35 | <2 | TNTC | 4.85 | 21.2 |
| 30/07/2014 | 8 | 6 | <2 | TNTC | 2.55 | 14.6 |
| 27/08/2014 | 14 | 30 | <2 | TNTC | 4.34 | 23.2 |
| 24/09/2014 | 90 | 164 | <2 | 2000 | 7.16 | 26.4 |
| 22/10/2014 | 14 | 44 | <2 | TNTC | 5.69 | 15.8 |
| 19/11/2014 | 15 | 20 | 3 | TNTC | 6.54 | 13.9 |
| 17/12/2014 | 27 | 218 | 4 | <100 | 4.46 | 25.6 |
| 14/01/2015 | 8 | 32 | <2 | 24 | 30.7 | 10.1 |
| 18/02/2015 | 33 | 101 | <2 | 2560 | 3 | 16.3 |
| 12/03/2015 | 30 | 103 | <2 | 14200 | 2.67 | 13.9 |
| 08/04/2015 | 21 | 47 | <2 | 2300 | 2.51 | 12.4 |

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 |
|------------|------------|------------|-----------------------|------------------|
| 03/01/2013 | 24 | 50 | <2 | TNTC |
| 80/01/2014 | 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 |
| 12/06/2014 | 5 | 11 | <2 | TNTC |
| 09/07/2014 | 4 | 7 | <2 | TNTC |
| 06/08/2014 | 4 | 17 | <2 | TNTC |
| 03/09/2014 | 17 | 35 | <2 | 500 |
| 03/09/2014 | 6 | 15 | <2 | 10 |
| 06/10/2014 | 5 | 28 | <2 | TNTC |
| 29/10/2014 | 6 | 93 | <2 | TNTC |
| 26/11/2014 | 13 | 56 | <2 | TNTC |
| 18/12/2014 | 23 | 61 | <2 | TNTC |
| 21/01/2015 | 16 | 69 | <2 | TNTC |
| 19/02/2015 | 7 | 66 | <2 | TNTC |
| 18/03/2015 | 4 | 4 | <2 | TNTC |
| 16/04/2015 | 3 | 6 | <2 | TNTC |

Note; TNTC = Too Numerous To Count

Monitoring Bore 1sg2 (Quarterly Sampling)

| Date | Conductivity (msm/cm) | Feacal Coliforms | Total Nitrogen (mg/L) | Total P (mg/L) | pH |
|------------|-----------------------|------------------|-----------------------|----------------|------|
| 20/02/2014 | 0.410 | 140 | 0.34 | 0.04 | 7.20 |
| 15/05/2014 | 0.621 | <5 | 3.11 | 1.75 | 7.31 |
| 06/08/2014 | 0.512 | 0 | 6.72 | 2.35 | 7.23 |
| 30/10/2014 | 0.452 | 120 | 3.87 | 1.62 | 7.34 |
| 21/01/2015 | 0.940 | 170 | 3.17 | 0.80 | 6.54 |
| 17/03/2015 | 0.841 | 0 | 4.82 | 3.48 | 7.21 |

Monitoring Bore 2sg3 (Quarterly Sampling)

| Date | Conductivity (msm/cm) | Feacal Coliforms | Total Nitrogen (mg/L) | Total P (mg/L) | pH |
|------------|-----------------------|------------------|-----------------------|----------------|------|
| 19/02/2014 | 0.489 | 0 | 3.72 | 1.42 | 7.10 |
| 14/05/2014 | 0.612 | 5 | 8.95 | 2.76 | 7.22 |
| 06/08/2014 | 0.541 | 0 | 6.17 | 2.04 | 7.13 |
| 30/10/2014 | 0.412 | 45 | 3.90 | 1.67 | 7.25 |
| 21/01/2015 | 0.216 | 14 | 3.26 | 0.86 | 6.21 |
| 17/03/2015 | 0.345 | 64 | 2.98 | 1.18 | 6.9 |