

Mid-Coast Council

PO Box 482
Taree NSW 2430
Forster Wastewater Treatment Plant
Off Sweet Pea Road
Forster NSW 2428
Environmental Protection licence number: 2562
License Anniversary: 6 th August

Abbreviations-
TSS: Total Suspended Solids
BOD: Biochemical Oxygen Demand
FC: Faecal coliforms

EPA Monitoring Point 3, effluent quality monitoring

| Weekly FC Monitoring | | Monthly Effluent Quality Monitoring Results | | | | | |
|------------------------------|-----------------------|---|----------------------|-------------------|-------------------|--------------------------------|-------------------|
| Monitoring frequency: Weekly | | Monitoring frequency: monthly | | | | | |
| | FC (CFU/100mL) | Date sampled | Date obtained | BOD (mg/L) | TSS (mg/L) | Oil & Grease (mg/L) | Compliance |
| 8/08/2023 | <1 | 5/09/2023 | 4/10/2023 | <2 | <2 | <3 | yes |
| 15/08/2023 | 2 | 4/10/2023 | 24/10/2023 | <2 | <2 | <3 | yes |
| 22/08/2023 | <1 | 7/11/2023 | 23/11/2023 | 5 | 7 | <3 | yes |
| 29/08/2023 | <1 | 5/12/2023 | 15/12/2023 | 7 | 19 | <3 | yes |
| 5/09/2023 | 130 | 3/01/2024 | 25/01/2024 | 4 | <2 | <3 | yes |
| 12/09/2023 | <1 | 6/02/2024 | 20/02/2024 | 5 | 8 | <3 | yes |
| 19/09/2023 | 8 | 5/03/2024 | 25/03/2024 | 5 | 7 | <3 | yes |
| 26/09/2023 | <1 | 9/04/2024 | 1/05/2024 | <2 | <2 | <3 | yes |
| 4/10/2023 | <1 | 7/05/2024 | 16/05/2024 | <2 | <2 | <10 | yes |
| 10/10/2023 | 230 | 4/06/2024 | 18/06/2024 | <2 | <2 | <10 | yes |
| 17/10/2023 | <1 | 2/07/2024 | 25/07/2024 | <2 | <2 | <5 | yes |
| 24/10/2023 | 28 | 6/08/2024 | 27/08/2024 | <2 | <2 | <5 | yes |
| 31/10/2023 | 1 | | | | | | |
| 7/11/2023 | 2 | | | | | | |
| 14/11/2023 | 54 | | | | | | |
| 22/11/2023 | 1 | | | | | | |
| 28/11/2023 | 2 | | | | | | |
| 5/12/2023 | 15 | | | | | | |
| 12/12/2023 | <2 | | | | | | |
| 19/12/2023 | 31 | | | | | | |
| 28/12/2023 | 1100 | | | | | | |
| 3/01/2024 | 8 | | | | | | |
| 9/01/2024 | <2 | | | | | | |
| 16/01/2024 | ~2 | | | | | | |
| 23/01/2024 | 6 | | | | | | |
| 30/01/2024 | 7 | | | | | | |
| 6/02/2024 | <2 | | | | | | |
| 13/02/2024 | <2 | | | | | | |
| 20/02/2024 | 2 | | | | | | |
| 27/02/2024 | <1 | | | | | | |
| 5/03/2024 | <1 | | | | | | |
| 12/03/2024 | <1 | | | | | | |
| 19/03/2024 | 8 | | | | | | |
| 26/03/2024 | <1 | | | | | | |
| 3/04/2024 | 11 | | | | | | |
| 9/04/2024 | 42 | | | | | | |
| 16/04/2024 | <1 | | | | | | |
| 23/04/2024 | <1 | | | | | | |
| 30/04/2024 | <1 | | | | | | |
| 7/05/2024 | 2 | | | | | | |
| 14/05/2024 | 4 | | | | | | |
| 21/05/2024 | <2 | | | | | | |
| 28/05/2024 | 2 | | | | | | |
| 4/06/2024 | 34 | | | | | | |
| 12/06/2024 | 1 | | | | | | |
| 18/06/2024 | 2 | | | | | | |
| 25/06/2024 | <1 | | | | | | |
| 2/07/2024 | <2 | | | | | | |
| 9/07/2024 | <1 | | | | | | |
| 16/07/2024 | <1 | | | | | | |
| 23/07/2024 | <1 | | | | | | |
| 30/07/2024 | <2 | | | | | | |
| 6/08/2024 | 30 | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Annual summary | | | | |
|----------------------|---------|------|------|---------|
| Concentration limits | 100%ile | 20 | 35 | 10 |
| | minimum | 4 | 7 | 0 |
| | average | 5.20 | 10.3 | #DIV/0! |
| | maximum | 7 | 19 | 0 |

| Quarterly and Bi-annual Effluent Quality Monitoring Results | | | | | |
|---|-----------|------------|------------|-----------|-----------|
| Date sampled | | 4/10/2023 | 3/01/2024 | 9/04/2024 | 2/07/2024 |
| Date obtained | | 24/10/2023 | 25/01/2024 | 1/05/2024 | |
| Aluminium (ug/L) | Quarterly | 19.8 | 11.7 | 25.702 | 25.379 |
| Ammonia (mg/L) | Quarterly | 3.92 | 1.36 | 8.05 | |
| Arsenic (ug/L) | Quarterly | 0.786 | 0.931 | 1.59 | 1.11 |
| Cadmium (ug/L) | Quarterly | <0.1 | <0.1 | <0.1 | <0.1 |
| Chlordane (ug/L) | Bi-Annual | <0.01 | | <0.01 | |
| Chlorpyrifos (ug/L) | Bi-Annual | <0.0025 | | <0.0025 | |
| Chromium (ug/L) | Quarterly | <0.5 | <0.5 | 0.586 | <0.5 |
| Copper (ug/L) | Quarterly | 4.75 | 3.7 | 2.557 | 2.914 |
| Cyanide (ug/L) | Quarterly | <5 | <5 | <5 | <5 |
| Diazinon (ug/L) | Bi-Annual | <0.0025 | | <0.025 | |
| Heptachlor (ug/L) | Bi-Annual | <0.01 | | <0.01 | |
| Iron (ug/L) | Quarterly | 37.8 | 24.5 | 67.477 | 32.34 |
| Mercury (ug/L) | Quarterly | <0.2 | <0.2 | <0.2 | <0.2 |
| Molybdenum (ug/L) | Quarterly | 0.37 | 0.489 | 1.502 | 0.453 |
| Nickel (ug/L) | Quarterly | 1 | 1.356 | 0.893 | 0.89 |
| Oxidised Nitrogen (mg/L) | Quarterly | 4.54 | 4.81 | 1.79 | 3.55 |
| Total Nitrogen (mg/L) | Quarterly | 9.23 | 7.24 | 10.9 | 4.25 |
| pH | Quarterly | 7.5 | 7.4 | 7.4 | 7.2 |
| Total Phosphorus (mg/L) | Quarterly | 4.49 | 2.59 | 1.7 | 1.83 |
| Selenium | Quarterly | <2 | <2 | <2 | <2 |
| Zinc (ug/L) | Quarterly | 30.8 | 25.145 | 19.339 | 18.19 |

EPA Monitoring Point 5 - Total outflow volume monitoring

Relavent for discharge to waters- EPA Id 1 ocean outfall Janies Corner

Monthly Volume Monitoring Summary

Monitoring frequency: daily

Discharge limit 23000kL

| | No of readings | Average (kL/day) | Max (kL/day) | Compliance |
|---------------|----------------|------------------|--------------|------------|
| Aug-23 | 31 | 3492 | 3861 | yes |
| Sep-23 | 30 | 3576 | 4677 | yes |
| Oct-23 | 31 | 3803 | 6195 | yes |
| Nov-23 | 30 | 3831 | 4771 | yes |
| Dec-23 | 31 | 4303 | 6833 | yes |
| Jan-24 | 31 | 4405 | 5665 | yes |
| Feb-24 | 28 | 4599 | 7171 | yes |
| Mar-24 | 31 | 4040 | 5057 | yes |
| Apr-24 | 30 | 5794 | 9742 | yes |
| May-24 | 31 | 6145 | 15122 | yes |
| Jun-24 | 30 | 5496 | 9799 | yes |
| Jul-24 | 31 | 5340 | 9497 | yes |

Non - compliances