## 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 Anniversery: 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

Monitoring frequency: Weekly

| | FC (CFU/100mL) |
|---|---|
| 6/08/2024 | 30 |
| 13/08/2024 | 2 |
| 20/08/2024 | 1 |
| 27/08/2024 | <1 |
| 3/09/2024 | <2 |
| 10/09/2024 | <2 |
| 17/09/2024 | <1 |
| 24/09/2024 | <1 |
| 1/10/2024 | ~20 |
| 9/10/2024 | <2 |
| 15/10/2024 | <1 |
| 22/10/2024 | <1 |
| 29/10/2024 | <1 |
| 5/11/2024 | <1 |
| 12/11/2024 | <1 |
| 19/11/2024 | 1 |
| 26/11/2024 | 1 |
| 3/12/2024 | <1 |
| 10/12/2024 | <1 |
| 17/12/2024 | <2 |
| 23/12/2024 | <1 |
| 30/12/2024 | <1 |
| 7/01/2025 | 2 |
| 14/01/2025 | 2 |
| 21/01/2025 | 22 |
| 28/01/2025 | <1 |
| 4/02/2025 | 2 |
| 11/02/2025 | 1 |
| 18/02/2025 | 9 |
| 25/02/2025 | 1 |
| 4/03/2025 | <1 |
| 11/03/2025 | <1 |
| 18/03/2025 | <2 |
| 25/03/2025 | <1 |
| 1/04/2025 | #N/A |
| 8/04/2025 | #N/A |
| 15/04/2025 | #N/A |
| 22/04/2025 | #N/A |
| 29/04/2025 | #N/A |
| 6/05/2025 | #N/A |
| 13/05/2025 | #N/A |
| 20/05/2025 | #N/A |
| 27/05/2025 | #N/A |
| 3/06/2025 | #N/A |
| 10/06/2025 | #N/A |
| 17/06/2025 | #N/A |
| 24/06/2025 | #N/A |
| 1/07/2025 | #N/A |
| 8/07/2025 | #N/A |
| 15/07/2025 | #N/A |
| 22/07/2025 | #N/A |
| 29/07/2025 | #N/A |
| 5/08/2025 | #N/A |

## Monthly Effluent Quality Monitoring Results

Monitoring frequency: monthly

| Date sampled | Date obtained | BOD (mg/L) | TSS (mg/L) | Oil & Grease (mg/L) | Compliance |
|---|---|---|---|---|---|
| 6/08/2024 | 27/08/2024 | <2 | <2 | <5 | yes |
| 3/09/2024 | 17/09/2024 | <2 | <2 | <5 | yes |
| 1/10/2024 | 25/10/2024 | <2 | <2 | <5 | yes |
| 5/11/2024 | 2/12/2024 | 2.9 | 6 | <5 | yes |
| 3/12/2024 | 20/12/2024 | 3 | 2 | <5 | yes |
| 7/01/2025 | 23/01/2025 | <2 | 3 | <5 | yes |
| 4/02/2025 | 26.02/2025 | <2 | 12 | <5 | yes |
| 4/03/2025 | 14/03/2025 | 6 | 11 | <5 | yes |
| Concentration limits | 100%ile | 20 | 35 | 10 | |

| Annual summary | | | |
|---|---|---|---|
| minimum | 2.9 | 2 | 0 |
| average | 3.97 | 6.8 | #DIV/0! |
| maximum | 6 | 12 | 0 |

## Quarterly and Bi-annual Effluent Quality Monitoring Results

| Date sampled | | 1/10/2024 | 7/01/2025 | | |
|---|---|---|---|---|---|
| Date obtained | | 25/10/2024 | 23/01/2025 | | |
| Aluminium (ug/L) | Quarterly | 32.0 | 6.6 | | |
| Ammonia (mg/L) | Quarterly | 0.1 | 0.19 | | |
| Arsenic (ug/L) | Quarterly | 1.1 | 1.4 | | |
| Cadmium (ug/L) | Quarterly | <0.1 | <0.1 | | |
| Chlordane (ug/L) | Bi-Annual | <0.01 | | | |
| Chlorpyrifos (ug/L) | Bi-Annual | <0.025 | | | |
| Chromium (ug/L) | Quarterly | <0.5 | <0.5 | | |
| Copper (ug/L) | Quarterly | 3.311 | 3.4 | | |
| Cyanide (ug/L) | Quarterly | <5 | <5 | | |
| Diazinon (ug/L) | Bi-Annual | <0.025 | | | |
| Heptachlor (ug/L) | Bi-Annual | <0.01 | | | |
| Iron (ug/L) | Quarterly | 27.0 | 21.8 | | |
| Mercury (ug/L) | Quarterly | <0.2 | 0.35 | | |
| Molybdenum (ug/L) | Quarterly | 0.62 | 0.29 | | |
| Nickel (ug/L) | Quarterly | 0.82 | 0.9 | | |
| Oxidised Nitrogen (mg/L) | Quarterly | 4.89 | 2.8 | | |
| Total Nitrogen (mg/L) | Quarterly | 5.53 | 3.84 | | |
| pH | Quarterly | 7.2 | 7.4 | | |
| Total Phosphorus (mg/L) | Quarterly | 3.03 | 3.89 | | |
| Selenium | Quarterly | <2 | 3.3 | | |
| Zinc (ug/L) | Quarterly | 30.4 | 16.9 | | |

**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 | 4623 | 6946 | yes |
| Sep-23 | 30 | 3966 | 6073 | yes |
| Oct-23 | 31 | 4673 | 11590 | yes |
| Nov-23 | 30 | 4406 | 6193 | yes |
| Dec-23 | 31 | 4093 | 5424 | yes |
| Jan-24 | 31 | 8835 | 21303 | yes |
| Feb-24 | 28 | 4917 | 7334 | yes |
| Mar-24 | 31 | 5721 | 10711 | yes |
| Apr-24 | 30 | | | |
| May-24 | 31 | | | |
| Jun-24 | 30 | | | |
| Jul-24 | 31 | | | |

**Non - compliances**