

## Tomakin Sewage Treatment Plant - Monthly Result Summary -August 2024



Anniversary Date: 1-Apr-24  
Published Date: 5-Sep-24

Licensee: Eurobodalla Shire Council

EPL No.: 2851

Premises: Tomakin Sewage Treatment Plant

Address: George Bass Drive, Tomakin, NSW 2537

Licence Period: 01-Apr-24 to 31-Mar-25

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOlicence.aspx?DOCID=206033&SYSUID=1&LICID=2851>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: **Aug-24**

| Licence Point 1 - Discharge to Waters - Concentration Limits |                 |                                   |                                    |
|--|-----------------|-----------------------------------|------------------------------------|
| Parameters   | Unit of Measure | 90 percentile concentration limit | 100 percentile concentration limit |
| Biological Oxygen Demand                                     | (mg/L)          | 10                                | 15                                 |
| Oil and Grease   | (mg/L)          | 5                                 | 10                                 |
| pH   | (pH Units)      | -                                 | 6.5-8.5                            |
| Total Suspended Solids                                       | (mg/L)          | 15                                | 20                                 |
| Chlorophyll a  | (mg/m3)         |                                   |                                    |
| Faecal Coliforms   | (CFU/100mL)     | 200                               | 600                                |
| Total Nitrogen   | (mg/L)          | 10                                | 15                                 |
| Total Phosphorus   | (mg/L)          | 8                                 | 10                                 |
| Ammonia  | (mg/L)          | 2                                 | 5                                  |

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1.

Note 2: The monitoring at Point 3, required by Condition M2.1, is conducted by the licensee to determine compliance with limits specified for discharges to Point 1 as described in Condition L3.

| Licence Point 3 - Effluent Quality Monitoring (Monthly Results) |                                 |                       |                     |                               |                       |                          |                          |                     |               |           |
|---|---------------------------------|-----------------------|---------------------|-------------------------------|-----------------------|--------------------------|--------------------------|---------------------|---------------|-----------|
| Sample Frequency  | Monthly Composite Sample        | Monthly Grab Sample   | Monthly Grab Sample | Monthly Composite Sample      | Monthly Grab Sample   | Monthly Composite Sample | Monthly Composite Sample | Monthly Grab Sample |               |           |
| Sampling Method   | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | pH (pH Units)       | Total Suspended Solids (mg/L) | Chlorophyll a (mg/m3) | Total Nitrogen (mg/L)    | Total Phosphorus (mg/L)  | Ammonia (mg/L)      | Obtained Date |           |
| Sampled Date  | 6-Aug-24                        | <2                    | <5                  | 8.00                          | <2                    | 4.40                     | 6.86                     | 7.06                | 0.03          | 15-Aug-24 |
| 100 Percentile Exceedance?                                      | NO                              | NO                    | NO                  | NO                            | NO                    | NO                       | NO                       | NO                  | NO            |           |

| Licence Point 3 - Effluent Quality Monitoring (Year To Date Results) |                                 |                       |               |                               |                       |                       |                         |                |
|--|---------------------------------|-----------------------|---------------|-------------------------------|-----------------------|-----------------------|-------------------------|----------------|
| Year to Date   | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | pH (pH Units) | Total Suspended Solids (mg/L) | Chlorophyll a (mg/m3) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) | Ammonia (mg/L) |
| Samples  | 5                               | 5                     | 5             | 5                             | 5                     | 5                     | 5                       | 5              |
| Min  | <2                              | <5                    | 7.10          | <2                            | 1.20                  | 3.66                  | 3.960                   | 0.03           |
| Mean   | 1.00                            | 2.50                  | 7.50          | 1.40                          | 7.16                  | 6.34                  | 5.920                   | 0.19           |
| Median (50th %ile)   | 1.00                            | 2.50                  | 7.40          | 1.00                          | 2.30                  | 5.80                  | 6.400                   | 0.16           |
| 90th %ile  | 1.00                            | 2.50                  | 7.88          | 2.20                          | 17.78                 | 9.04                  | 7.432                   | 0.38           |
| Max (100th %ile)   | <2                              | <5                    | 8.00          | 3.00                          | 26.70                 | 10.50                 | 7.680                   | 0.46           |

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### Licence Point 2 - Influent Volume Monitoring

| Sample Frequency     | Daily (Continuous)    | Maximum Daily flow (kL) | 14000               |
|----------------------|-----------------------|-------------------------|---------------------|
| Sampling Method      | Ultrasonic Flow Meter |                         |                     |
| Sample Date          | Rainfall (mm)         | Plant Inflow (kL)       | Exceedance (YES/NO) |
| 1-Aug-24             | 0                     | 1247.0                  | NO                  |
| 2-Aug-24             | 0                     | 1598.9                  | NO                  |
| 3-Aug-24             | 0                     | 1257.9                  | NO                  |
| 4-Aug-24             | 0                     | 1373.8                  | NO                  |
| 5-Aug-24             | 0                     | 1908.9                  | NO                  |
| 6-Aug-24             | 0                     | 1337.1                  | NO                  |
| 7-Aug-24             | 0                     | 1200.4                  | NO                  |
| 8-Aug-24             | 0                     | 1368.6                  | NO                  |
| 9-Aug-24             | 0                     | 1409.5                  | NO                  |
| 10-Aug-24            | 0                     | 1238.2                  | NO                  |
| 11-Aug-24            | 0                     | 1335.7                  | NO                  |
| 12-Aug-24            | 0                     | 1137.9                  | NO                  |
| 13-Aug-24            | 5                     | 1137.9                  | NO                  |
| 14-Aug-24            | 3.5                   | 1465.0                  | NO                  |
| 15-Aug-24            | 5.5                   | 2270.0                  | NO                  |
| 16-Aug-24            | 0                     | 1530.6                  | NO                  |
| 17-Aug-24            | 0                     | 1260.0                  | NO                  |
| 18-Aug-24            | 1.5                   | 1232.9                  | NO                  |
| 19-Aug-24            | 0                     | 1254.8                  | NO                  |
| 20-Aug-24            | 0                     | 1200.4                  | NO                  |
| 21-Aug-24            | 0                     | 1033.2                  | NO                  |
| 22-Aug-24            | 0                     | 1143.7                  | NO                  |
| 23-Aug-24            | 0                     | 1094.9                  | NO                  |
| 24-Aug-24            | 0                     | 1106.2                  | NO                  |
| 25-Aug-24            | 0                     | 1410.0                  | NO                  |
| 26-Aug-24            | 0                     | 1314.1                  | NO                  |
| 27-Aug-24            | 0                     | 1094.9                  | NO                  |
| 28-Aug-24            | 0                     | 1055.7                  | NO                  |
| 29-Aug-24            | 0                     | 1048.6                  | NO                  |
| 30-Aug-24            | 0                     | 1080.9                  | NO                  |
| 31-Aug-24            | 0                     | 1080.4                  | NO                  |
| Monthly Total        | 0.00                  | 40228.16                |                     |
| Monthly Minimum      | 0.00                  | 1033.21                 |                     |
| Monthly Mean         | 0.50                  | 1297.68                 |                     |
| Monthly Maximum      | 5.50                  | 2270.00                 |                     |
| Year to Date Total   | 605.50                | 268534.24               |                     |
| Year to Date Minimum | 0.00                  | 1033.21                 |                     |
| Year to Date Mean    | 3.96                  | 1755.13                 |                     |
| Year to Date Maximum | 105.50                | 9855.29                 |                     |

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### Licence Point 3 - Effluent Quality Monitoring (Monthly Result)

| Frequency    | Special Frequency 2*         | Sampling Method | Grab Sample |
|--------------|------------------------------|-----------------|-------------|
| Sampled Date | Faecal Coliforms (CFU/100mL) | Obtained Date   |             |
|              |                              |                 |             |

### Licence Point 4 - Ambient Water Monitoring (Monthly Result)

| Frequency    | Special Frequency 2*         | Sampling Method | Grab Sample |
|--------------|------------------------------|-----------------|-------------|
| Sampled Date | Faecal Coliforms (CFU/100mL) | Obtained Date   |             |
|              |                              |                 |             |

\* Special Frequency 2: at least weekly during the months of November, December, January, February and March

### Licence Point 3 - Effluent Quality Monitoring (Year to Date Results)

| Year to Date       | Faecal Coliforms (CFU/100mL) |
|--------------------|------------------------------|
| Samples            |                              |
| Min                |                              |
| Mean               |                              |
| Median (50th %ile) |                              |
| 90th %ile          |                              |
| Max (100th %ile)   |                              |

### Licence Point 4 - Ambient Water Monitoring (Year to Date Results)

| Year to Date       | Faecal Coliforms (CFU/100mL) |
|--------------------|------------------------------|
| Samples            |                              |
| Min                |                              |
| Mean               |                              |
| Median (50th %ile) |                              |
| 90th %ile          |                              |
| Max (100th %ile)   |                              |

### Monthly Exceedance Report

| Date | Exceedance Type | Parameter | Description / Action |
|------|-----------------|-----------|----------------------|
|      |                 |           |                      |

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EPA Licence Point Map

