

Tomakin Sewage Treatment Plant - Monthly Result Summary - April 2021



Anniversary Date: 1-Apr-21
Published Date: 18-May-21

Licensee: Eurobodalla Shire Council
EPL No.: 2851
Premises: Tomakin Sewage Treatment Plant
Address: George Bass Drive, Tomakin, NSW 2537
Licence Period: 01-Apr-20 to 31-Mar-21
EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=183819&SYSUID=1&LICID=2851>
POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: **Apr-21**

| Licence Point 1 - Discharge to Waters - Point 1 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 | 25 |
| 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 Sampling Method | Monthly Composite Sample | Monthly Grab Sample | Monthly Grab Sample | Monthly Composite Sample | Special Frequency 2* Grab Sample | Monthly Composite Sample | Monthly Composite Sample | Monthly Grab Sample | |
| Sampled Date | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | pH (pH Units) | Total Suspended Solids (mg/L) | Faecal Coliforms (CFU/100mL) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) | Ammonia (mg/L) | Obtained Date |
| 20-Apr-21 | <2 | <5 | 7.30 | <2 | | 2.04 | 6.26 | 0.50 | 5-May-21 |
| 100 Percentile Exceedance? | NO | NO | NO | NO | | NO | NO | NO | |

* 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 | Biological Oxygen Demand (mg/L) | Oil and Grease (mg/L) | pH (pH Units) | Total Suspended Solids (mg/L) | Faecal Coliforms (CFU/100mL) | Total Nitrogen (mg/L) | Total Phosphorus (mg/L) | Ammonia (mg/L) |
| Total Samples | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| Minimum Result | <2 | <5 | 7.30 | <2 | | 2.04 | 6.26 | 0.50 |
| Mean Result | 1.00 | 2.50 | 7.30 | 1.00 | | 2.04 | 6.26 | 0.50 |
| Median Result | 1.00 | 2.50 | 7.30 | 1.00 | | 2.04 | 6.26 | 0.50 |
| Maximum Result | <2 | <5 | 7.30 | <2 | | 2.04 | 6.26 | 0.50 |

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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-Apr-21 | 0 | 1446.3 | NO |
| 2-Apr-21 | 0 | 1513.4 | NO |
| 3-Apr-21 | 0 | 1655.4 | NO |
| 4-Apr-21 | 0 | 2046.2 | NO |
| 5-Apr-21 | 0 | 2104.2 | NO |
| 6-Apr-21 | 4 | 1991.6 | NO |
| 7-Apr-21 | 7 | 1894.9 | NO |
| 8-Apr-21 | 0.5 | 1567.0 | NO |
| 9-Apr-21 | 0 | 1668.3 | NO |
| 10-Apr-21 | 0 | 1682.8 | NO |
| 11-Apr-21 | 0.5 | 1593.0 | NO |
| 12-Apr-21 | 0 | 1614.9 | NO |
| 13-Apr-21 | 0 | 1415.2 | NO |
| 14-Apr-21 | 0 | 1346.8 | NO |
| 15-Apr-21 | 0 | 1372.5 | NO |
| 16-Apr-21 | 0 | 1282.3 | NO |
| 17-Apr-21 | 0 | 1282.2 | NO |
| 18-Apr-21 | 0 | 1327.6 | NO |
| 19-Apr-21 | 0 | 1264.8 | NO |
| 20-Apr-21 | 0 | 1148.7 | NO |
| 21-Apr-21 | 0 | 1162.7 | NO |
| 22-Apr-21 | 0 | 1100.6 | NO |
| 23-Apr-21 | 0 | 1171.4 | NO |
| 24-Apr-21 | 0 | 1291.6 | NO |
| 25-Apr-21 | 0 | 1432.4 | NO |
| 26-Apr-21 | 0 | 1465.7 | NO |
| 27-Apr-21 | 0 | 1299.1 | NO |
| 28-Apr-21 | 0 | 1200.8 | NO |
| 29-Apr-21 | 0 | 1062.3 | NO |
| 30-Apr-21 | 0 | 1084.4 | NO |
| Monthly Total | 12 | 43489.0 | |
| Monthly Minimum | 0 | 1062.31 | |
| Monthly Mean | 0.40 | 1449.63 | |
| Monthly Maximum | 7 | 2104.17 | |
| Year to Date Total | 12 | 43489.0 | |
| Year to Date Minimum | 0 | 1062.31 | |
| Year to Date Mean | 0.40 | 1449.62 | |
| Year to Date Maximum | 7 | 2104.17 | |

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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 4 - Ambient Water Monitoring (Year to Date Results)

| Year to Date | Faecal Coliforms (CFU/100mL) |
|-----------------|------------------------------|
| Samples to date | |
| Minimum Result | |
| Mean Result | |
| Median Result | |
| Maximum Result | |

Monthly Exceedance Report

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

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EPA Licence Point Map

