

Tomakin Treatment Plant - Monthly Result Summary - June 2020



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: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29203&SYSUID=1&LICID=2851>
 POEO Public Register: <http://www.environment.nsw.gov.au/prpoeoapp/default.aspx>

Anniversary Date: 01-Apr-20
 Published Date: 07-Aug-20

Required Month: Jun-20

| Licence Point / Type of Point: | | Licence Point 1 - Discharge to Waters | |
|--------------------------------|-----------------|---------------------------------------|------------------------------------|
| Parameters | Unit of Measure | 50 percentile concentration limit | 100 percentile concentration limit |
| Biological Oxygen Demand | (mg/L) | 10 | 20 |
| Oil and Grease | (mg/L) | - | 10 |
| Total Nitrogen | (mg/L) | - | - |
| Total Phosphorus | (mg/L) | - | - |
| Total Suspended Solids | (mg/L) | 15 | 30 |

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1 and Point 2.
 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 / Type of Point: | | Licence Point 3 - Effluent Quality Monitoring | | | | | |
|--------------------------------|--------------------------|-----------------------------------------------|----------------|-------------------|-------------------|------------------------|-------------------|
| Sample Frequency | Monthly Composite | Special Frequency 1 Grab | Monthly Grab | Monthly Composite | Monthly Composite | Monthly Composite | Monthly Composite |
| Parameters | Biological Oxygen Demand | Chlorophyll a | Oil and Grease | Total Nitrogen | Total Phosphorus | Total Suspended Solids | Obtained Date |
| Unit of Measure | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | |
| Sample Date | | | | | | | |
| 16-Jun-20 | 5 | 0.0014 | <5 | 3.39 | 7.8 | <2 | 26-Jun-20 |
| Minimum Value | 5 | 0.0014 | <5 | 3.39 | 7.8 | <2 | |
| Maximum Value | 5 | 0.0014 | <5 | 3.39 | 7.8 | <2 | |

| Licence Condition - 100 Percentile | | | | | | | | | |
|------------------------------------|--------------------------|--------------------------------------|------------|----------------|--------------------------------------|------------|------------------------|--------------------------------------|------------|
| Sample Date | Biological Oxygen Demand | | | Oil and Grease | | | Total Suspended Solids | | |
| | Measurement | Actual 100 Percentile to Sample Date | Exceedance | Measurement | Actual 100 Percentile to Sample Date | Exceedance | Measurement | Actual 100 Percentile to Sample Date | Exceedance |
| 16-Jun-20 | 5 | 5 | NO | <5 | 5 | NO | <2 | 2 | NO |

Note 1: Special Frequency 1 means collect and store sample monthly, at the same time as Biochemical Oxygen Demand or Total Suspended Solids sampling. If the Biochemical Oxygen Demand or Total Suspended Solids 100 percentile concentration limit is exceeded as per condition L3.3, then analyse the stored sample for chlorophyll a and report results to the EPA as soon as the results become available.
 Note 2: For the purpose of this licence, a composite sample is defined as at least three grab samples forming a pooled sample, with the first and last samples taken at least seven hours apart.

| Licence Point / Type of Point: | | Licence Point 4 - Ambient Water Monitoring | |
|--------------------------------|---------------------|--------------------------------------------|---------------------|
| Sample Frequency | Special Frequency 2 | Sample Frequency | Special Frequency 2 |
| Sampling Method | Grab | Sampling Method | Grab |
| Parameters | Faecal Coliforms | Parameters | Faecal Coliforms |
| Unit of Measure | (cfu/100mL) | Unit of Measure | (cfu/100mL) |
| Sample Date | | Sample Date | Obtained Date |
| | | | |

Special Frequency 1 means collect and store sample monthly, at the same time as Biochemical Oxygen Demand or Total Suspended Solids sampling. If the Biochemical Oxygen Demand or Total Suspended Solids 100 percentile concentration limit is exceeded as per condition L3.3, then analyse the stored sample for chlorophyll a and report results to the EPA as soon as the results become available.

Special Frequency 2 means at least weekly during the months of November, December, January, February and March.

Note: For the purpose of this licence, a composite sample is defined as at least three grab samples forming a pooled sample, with the first and last sample taken at least seven hours apart.

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| Licence Point / Type of Point: Licence Point 2 - Influent Volume Monitoring | | | |
|-----------------------------------------------------------------------------|-----------------------|-------------------------|---------------------|
| Sample Frequency | Daily (Continuous) | Maximum Daily flow (kL) | 14000 |
| Sampling Method | Ultrasonic Flow Meter | | |
| Parameters | Rainfall (mm) | Flow (kL) | Exceedance (YES/NO) |
| Unit of Measure | | | |
| Sample Date | | | |
| 1-Jun-20 | 0.5 | 1188.5 | NO |
| 2-Jun-20 | 0 | 1154.9 | NO |
| 3-Jun-20 | 0 | 999.5 | NO |
| 4-Jun-20 | 0 | 1062.5 | NO |
| 5-Jun-20 | 0 | 1034.0 | NO |
| 6-Jun-20 | 0 | 1183.2 | NO |
| 7-Jun-20 | 0 | 1412.8 | NO |
| 8-Jun-20 | 0 | 1656.0 | NO |
| 9-Jun-20 | 0 | 1432.0 | NO |
| 10-Jun-20 | 0 | 1172.3 | NO |
| 11-Jun-20 | 0.5 | 1115.4 | NO |
| 12-Jun-20 | 0 | 1051.0 | NO |
| 13-Jun-20 | 1 | 1159.8 | NO |
| 14-Jun-20 | 1.5 | 1240.1 | NO |
| 15-Jun-20 | 0.5 | 1259.9 | NO |
| 16-Jun-20 | 0 | 1171.2 | NO |
| 17-Jun-20 | 0 | 1066.3 | NO |
| 18-Jun-20 | 0 | 1096.5 | NO |
| 19-Jun-20 | 0 | 1096.1 | NO |
| 20-Jun-20 | 0 | 1076.1 | NO |
| 21-Jun-20 | 6 | 1215.2 | NO |
| 22-Jun-20 | 0.5 | 1188.8 | NO |
| 23-Jun-20 | 0 | 1130.3 | NO |
| 24-Jun-20 | 0.5 | 1085.8 | NO |
| 25-Jun-20 | 0.5 | 1095.7 | NO |
| 26-Jun-20 | 0 | 1087.7 | NO |
| 27-Jun-20 | 0 | 1078.5 | NO |
| 28-Jun-20 | 0 | 1199.7 | NO |
| 29-Jun-20 | 6 | 1259.9 | NO |
| 30-Jun-20 | 1 | 1142.2 | NO |
| Monthly Total | 18.5 | 35111.7 | |
| Monthly Minimum | 0.0 | 999.5 | |
| Monthly Maximum | 6.0 | 1656.0 | |

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Exceedance Report

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

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