

**Tomakin Sewage Treatment Plant - Monthly Result Summary - December 2021**



Anniversary Date: 1-Apr-21  
Published Date: 14-Jan-22

Licensee: Eurobodalla Shire Council  
EPL No.: 2851  
Premises: Tomakin Sewage Treatment Plant  
Address: George Bass Drive, Tomakin, NSW 2537  
Licence Period: 01-Apr-21 to 31-Mar-22  
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: **Dec-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	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 Sampling Method	Monthly Composite Sample	Monthly Grab Sample	Monthly Grab Sample	Monthly Composite Sample	Monthly Grab Sample	Special Frequency 2* Grab Sample	Monthly Composite Sample	Monthly Composite Sample	Monthly Grab Sample	Obtained Date
Sampled Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	
21-Dec-21	<2	<5	7.10	2.00	0.60	1100	7.32	5.35	0.32	31-Dec-21
100 Percentile Exceedance?	NO	NO	NO	NO	NO	YES	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)	Chlorophyll a (mg/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Samples	10	10	10	10	10	10	10	10	10
Min	<2	<5	7.00	<2	0.60	20	1.00	5.350	0.14
Mean	1.40	2.50	7.32	1.40	3.74	473	4.22	6.719	0.40
Median (50th %ile)	1.00	2.50	7.30	1.00	2.40	445	3.16	6.500	0.38
90th %ile	3.00	2.50	7.61	2.00	5.92	992	8.41	7.604	0.56
Max (100th %ile)	3.00	<5	7.70	2.00	16.90	1100	8.82	7.820	0.71

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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-Dec-21	0	1310.0	NO
2-Dec-21	0	1300.0	NO
3-Dec-21	0	1400.0	NO
4-Dec-21	0	1420.0	NO
5-Dec-21	0	1420.0	NO
6-Dec-21	0.4	1440.0	NO
7-Dec-21	0	1260.0	NO
8-Dec-21	6.4	1670.0	NO
9-Dec-21	0.2	5650.0	NO
10-Dec-21	0	2160.0	NO
11-Dec-21	0.2	1720.0	NO
12-Dec-21	1	1720.0	NO
13-Dec-21	0	1390.0	NO
14-Dec-21	0.2	2370.0	NO
15-Dec-21	0	1820.0	NO
16-Dec-21	0.4	2020.0	NO
17-Dec-21	0	1610.0	NO
18-Dec-21	0	1500.0	NO
19-Dec-21	0	1500.0	NO
20-Dec-21	0	1820.0	NO
21-Dec-21	0	1710.0	NO
22-Dec-21	0	1970.0	NO
23-Dec-21	0	1840.0	NO
24-Dec-21	0	1770.0	NO
25-Dec-21	0	1920.0	NO
26-Dec-21	0	1920.0	NO
27-Dec-21	0	2300.0	NO
28-Dec-21	0	2310.0	NO
29-Dec-21	0	2480.0	NO
30-Dec-21	0	2260.0	NO
31-Dec-21	0	2600.0	NO
<b>Monthly Total</b>	<b>8.80</b>	<b>59580.00</b>	
<b>Monthly Minimum</b>	<b>0.00</b>	<b>1260.00</b>	
<b>Monthly Mean</b>	<b>0.28</b>	<b>1921.94</b>	
<b>Monthly Maximum</b>	<b>6.40</b>	<b>5650.00</b>	
<b>Year to Date Total</b>	<b>608.80</b>	<b>399469.21</b>	
<b>Year to Date Minimum</b>	<b>0.00</b>	<b>990.00</b>	
<b>Year to Date Mean</b>	<b>2.22</b>	<b>1457.92</b>	
<b>Year to Date Maximum</b>	<b>56.00</b>	<b>5982.37</b>	

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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
7-Dec-21	1	10-Dec-21
14-Dec-21	62	30-Dec-21
21-Dec-21	4	31-Dec-21
29-Dec-21	3	2-Jan-22

\* 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	9
Min	<1
Mean	14.67
Median (50th %ile)	4
90th %ile	32
Max (100th %ile)	62

### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
21-Dec-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (1100 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3

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EPA Licence Point Map

