

**Tomakin Sewage Treatment Plant - Monthly Result Summary - January 2022**



Anniversary Date: 1-Apr-21  
Published Date: 18-Feb-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: **Jan-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	Monthly	Monthly	Monthly	Monthly	Monthly	Special Frequency 2*	Monthly	Monthly	Monthly	
Sampling Method	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Composite Sample	Grab Sample	
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)	Obtained Date
27-Jan-22	3.00	<5	7.20	<2	<0.2	1600	1.57	6.42	0.50	7-Feb-22
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	11	11	11	11	11	11	11	11	11
Min	<2	<5	7.00	<2	0.10	20	1.00	5.350	0.14
Mean	1.55	2.50	7.31	1.36	3.41	575	3.98	6.692	0.40
Median (50th %ile)	1.00	2.50	7.30	1.00	2.30	500	2.20	6.420	0.42
90th %ile	3.00	2.50	7.60	2.00	4.70	1100	8.36	7.580	0.54
Max (100th %ile)	3.00	<5	7.70	2.00	16.90	1600	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-Jan-22	0	2490.0	NO
2-Jan-22	0	2490.0	NO
3-Jan-22	0	2180.0	NO
4-Jan-22	0	2260.0	NO
5-Jan-22	0	3210.0	NO
6-Jan-22	0	4290.0	NO
7-Jan-22	0	3580.0	NO
8-Jan-22	37.8	2210.0	NO
9-Jan-22	0.6	2210.0	NO
10-Jan-22	0.2	2150.0	NO
11-Jan-22	0	2190.0	NO
12-Jan-22	8.4	1960.0	NO
13-Jan-22	3.2	1890.0	NO
14-Jan-22	2.4	1980.0	NO
15-Jan-22	0	1780.0	NO
16-Jan-22	4.2	1780.0	NO
17-Jan-22	0	2390.0	NO
18-Jan-22	0.8	2490.0	NO
19-Jan-22	0.6	1500.0	NO
20-Jan-22	1	1670.0	NO
21-Jan-22	0.6	1590.0	NO
22-Jan-22	0.2	1730.0	NO
23-Jan-22	0	1730.0	NO
24-Jan-22	0.8	1670.0	NO
25-Jan-22	0	1690.0	NO
26-Jan-22	0	1860.0	NO
27-Jan-22	0	1660.0	NO
28-Jan-22	0	1720.0	NO
29-Jan-22	0	1500.0	NO
30-Jan-22	8.8	1500.0	NO
31-Jan-22	0.6	2890.0	NO
<b>Monthly Total</b>	<b>70.20</b>	<b>66240.00</b>	
<b>Monthly Minimum</b>	<b>0.00</b>	<b>1500.00</b>	
<b>Monthly Mean</b>	<b>2.26</b>	<b>2136.77</b>	
<b>Monthly Maximum</b>	<b>37.80</b>	<b>4290.00</b>	
<b>Year to Date Total</b>	<b>712.00</b>	<b>486749.21</b>	
<b>Year to Date Minimum</b>	<b>0.00</b>	<b>990.00</b>	
<b>Year to Date Mean</b>	<b>2.24</b>	<b>1530.66</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	
4-Jan-22	26	7-Jan-22	
11-Jan-22	9	22-Jan-22	
18-Jan-22	6	21-Jan-22	
27-Jan-22	<1	7-Feb-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	13
Min	<1
Mean	13.31
Median (50th %ile)	6
90th %ile	26
Max (100th %ile)	62

### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
27-Jan-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (1600 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3

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EPA Licence Point Map

