

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



Anniversary Date: 1-Apr-23  
Published Date: 13-Mar-24

Licensee: Eurobodalla Shire Council

EPL No.: 2851

Premises: Tomakin Sewage Treatment Plant

Address: George Bass Drive, Tomakin, NSW 2537

Licence Period: 01-Apr-23 to 31-Mar-24

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: Feb-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	
Sampled 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)	Obtained Date
20-Feb-24	3.00	6.00	7.30	7.00	18.10	1.58	9.66	0.51	2-Mar-24
100 Percentile Exceedance?	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	12	12	12	12	12	12	12	12
Min	<2	<5	7.30	<2	1.80	0.92	4.560	0.02
Mean	1.17	2.79	7.84	3.25	9.15	2.85	8.338	0.20
Median (50th %ile)	1.00	2.50	7.65	1.50	6.00	2.50	8.510	0.08
90th %ile	1.00	2.50	8.39	6.80	17.75	5.06	9.632	0.48
Max (100th %ile)	3.00	6.00	8.70	13.00	33.10	5.38	10.700	1.08

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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-Feb-24	1.5	1262.5	NO
2-Feb-24	0	1295.1	NO
3-Feb-24	0	1124.1	NO
4-Feb-24	0	1385.7	NO
5-Feb-24	3	1425.4	NO
6-Feb-24	30	1529.4	NO
7-Feb-24	1	1993.8	NO
8-Feb-24	0	1284.6	NO
9-Feb-24	0	1216.6	NO
10-Feb-24	0	1173.6	NO
11-Feb-24	8	1498.8	NO
12-Feb-24	0.5	1443.4	NO
13-Feb-24	0	1264.9	NO
14-Feb-24	3.5	1167.1	NO
15-Feb-24	0	1163.2	NO
16-Feb-24	0	1240.5	NO
17-Feb-24	13	1799.6	NO
18-Feb-24	0	1367.3	NO
19-Feb-24	7.5	1552.5	NO
20-Feb-24	0	1346.4	NO
21-Feb-24	0	1343.2	NO
22-Feb-24	0	1216.4	NO
23-Feb-24	0.5	1137.8	NO
24-Feb-24	1	1196.4	NO
25-Feb-24	0	1190.6	NO
26-Feb-24	0	1288.3	NO
27-Feb-24	0	1193.9	NO
28-Feb-24	0	1399.7	NO
29-Feb-24	0	1181.2	NO
<b>Monthly Total</b>	<b>69.50</b>	<b>38681.91</b>	
<b>Monthly Minimum</b>	<b>0.00</b>	<b>1124.13</b>	
<b>Monthly Mean</b>	<b>2.40</b>	<b>1333.86</b>	
<b>Monthly Maximum</b>	<b>30.00</b>	<b>1993.76</b>	
<b>Year to Date Total</b>	<b>706.00</b>	<b>452702.93</b>	
<b>Year to Date Minimum</b>	<b>0.00</b>	<b>966.86</b>	
<b>Year to Date Mean</b>	<b>2.11</b>	<b>1351.35</b>	
<b>Year to Date Maximum</b>	<b>86.00</b>	<b>6015.14</b>	

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Licence Point 3 - Ambient Water Monitoring (Monthly Result)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
6-Feb-24	780	16-Feb-24
13-Feb-24	100	17-Feb-24
20-Feb-24	310	2-Mar-24
27-Feb-24	730	5-Mar-24

Licence Point 4 - Ambient Water Monitoring (Monthly Result)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
6-Feb-24	4	16-Feb-24
13-Feb-24	5	17-Feb-24
20-Feb-24	3	2-Mar-24
27-Feb-24	0	5-Mar-24

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

Licence Point 3 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	17
Min	14
Mean	589.00
Median (50th %ile)	400
90th %ile	998
Max (100th %ile)	3000

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	17
Min	<1
Mean	11.76
Median (50th %ile)	3
90th %ile	22
Max (100th %ile)	120

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
6-Feb-24	Concentration limit	Faecal Coliforms	Faecal Coliforms result (780 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
20-Feb-24	Concentration limit	Faecal Coliforms	Faecal Coliforms result (310 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3
20-Feb-24	Concentration limit	Total Phosphorus	Total Phosphorus result (9.66 mg/L) exceeded 90 percentile concentration limit (8.0 mg/L) at monitoring point 3
27-Feb-24	Concentration limit	Faecal Coliforms	Faecal Coliforms result (730 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3

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EPA Licence Point Map

