

## Tomakin Sewage Treatment Plant - Monthly Result Summary - November 2022



Anniversary Date: 1-Apr-21  
Published Date: 5-Mar-23

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: **Nov-22**

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*	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)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	Obtained Date
1-Nov-22	4.00	<5	7.10	6.00	1.90	2400	2.23	5.66	0.76	10-Nov-22
8-Nov-22						4300				12-Nov-22
15-Nov-22						280				24-Nov-22
22-Nov-22						100				26-Nov-22
29-Nov-22	3.00	<5	7.30	3.00	26.10	26	3.67	4.10	0.47	9-Dec-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	9	9	9	9	9	12	9	9	9
Min	<2	<5	7.10	<2	0.70	26	1.69	4.100	0.07
Mean	2.33	2.50	7.30	2.22	18.34	967	4.79	5.556	0.52
Median (50th %ile)	2.00	2.50	7.30	2.00	1.90	240	3.67	5.660	0.47
90th %ile	4.00	2.50	7.40	3.60	43.96	2760	9.20	6.484	1.00
Max (100th %ile)	4.00	<5	7.40	6.00	115.40	4300	9.98	6.500	1.06

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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-Nov-22	12.5	1635.7	NO
2-Nov-22	0	1415.3	NO
3-Nov-22	0	1247.7	NO
4-Nov-22	0	1876.2	NO
5-Nov-22	0	1451.3	NO
6-Nov-22	0	2072.7	NO
7-Nov-22	0	1704.5	NO
8-Nov-22	0	1480.5	NO
9-Nov-22	0	1639.6	NO
10-Nov-22	0	1937.7	NO
11-Nov-22	0	1583.8	NO
12-Nov-22	1	1271.0	NO
13-Nov-22	0.5	1291.9	NO
14-Nov-22	11.5	1692.1	NO
15-Nov-22	1	1490.5	NO
16-Nov-22	8	1227.5	NO
17-Nov-22	2	1452.4	NO
18-Nov-22	0	1500.6	NO
19-Nov-22	0	1533.1	NO
20-Nov-22	0	1433.0	NO
21-Nov-22	0	1371.0	NO
22-Nov-22	0	1190.6	NO
23-Nov-22	0	1180.8	NO
24-Nov-22	0	1338.3	NO
25-Nov-22	4	1676.7	NO
26-Nov-22	0.5	1212.8	NO
27-Nov-22	0	1339.6	NO
28-Nov-22	7	1462.2	NO
29-Nov-22	6.5	1272.8	NO
30-Nov-22	0	1272.1	NO
<b>Monthly Total</b>	54.50	44254.06	
<b>Monthly Minimum</b>	0.00	1180.84	
<b>Monthly Mean</b>	1.82	1475.14	
<b>Monthly Maximum</b>	12.50	2072.73	
<b>Year to Date Total</b>	924.50	398528.11	
<b>Year to Date Minimum</b>	0.00	997.73	
<b>Year to Date Mean</b>	3.79	1633.31	
<b>Year to Date Maximum</b>	72.00	7833.41	

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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
1-Nov-22	<1	10-Nov-22
8-Nov-22	14	12-Nov-22
15-Nov-22	<1	24-Nov-22
22-Nov-22	120	26-Nov-22
29-Nov-22	<1	9-Dec-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	5
Min	<1
Mean	26.80
Median (50th %ile)	0
90th %ile	78
Max (100th %ile)	120

### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
1-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (2400 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3.
8-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (4300 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3.
15-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (280 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3.

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EPA Licence Point Map

