

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



Anniversary Date: 1-Apr-23  
Published Date: 12-Apr-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: Mar-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
19-Mar-24	3.00	<5	7.50	4.00	29.10	2.99	9.70	0.43	30-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	13	13	13	13	13	13	13	13
Min	<2	<5	7.30	<2	1.80	0.92	4.560	0.02
Mean	1.31	2.77	7.82	3.31	10.68	2.86	8.443	0.22
Median (50th %ile)	1.00	2.50	7.60	2.00	6.50	2.60	8.720	0.09
90th %ile	2.60	2.50	8.38	6.60	26.90	5.02	9.692	0.49
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-Mar-24	0	1150.1	NO
2-Mar-24	0	1165.5	NO
3-Mar-24	0	1285.2	NO
4-Mar-24	0	1265.9	NO
5-Mar-24	0	1132.4	NO
6-Mar-24	0	1121.5	NO
7-Mar-24	0	1133.1	NO
8-Mar-24	0	1097.5	NO
9-Mar-24	0.5	1193.4	NO
10-Mar-24	0	1355.9	NO
11-Mar-24	0	1488.5	NO
12-Mar-24	0	1385.4	NO
13-Mar-24	0	1086.0	NO
14-Mar-24	0	1145.0	NO
15-Mar-24	3	1105.4	NO
16-Mar-24	6.5	1281.1	NO
17-Mar-24	2	1223.5	NO
18-Mar-24	19	1296.2	NO
19-Mar-24	17	2170.9	NO
20-Mar-24	5.5	1303.0	NO
21-Mar-24	1.5	1512.9	NO
22-Mar-24	0	1068.2	NO
23-Mar-24	0.5	1107.5	NO
24-Mar-24	6	1355.9	NO
25-Mar-24	0	1394.5	NO
26-Mar-24	0	1097.6	NO
27-Mar-24	0	1138.2	NO
28-Mar-24	0.5	1234.9	NO
29-Mar-24	0	1213.2	NO
30-Mar-24	0	1708.1	NO
31-Mar-24	0	1787.0	NO
Monthly Total	62.00	40003.44	
Monthly Minimum	0.00	1068.23	
Monthly Mean	2.00	1290.43	
Monthly Maximum	19.00	2170.92	
Year to Date Total	768.00	492706.37	
Year to Date Minimum	0.00	966.86	
Year to Date Mean	2.10	1346.19	
Year to Date Maximum	86.00	6015.14	

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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
5-Mar-24	310	17-Mar-24
12-Mar-24	360	17-Mar-24
19-Mar-24	530	31-Mar-24
26-Mar-24	150	2-Apr-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
5-Mar-24	3	17-Mar-24
12-Mar-24	1	17-Mar-24
19-Mar-24	1	31-Mar-24
26-Mar-24	22	2-Apr-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	21
Min	14
Mean	541.10
Median (50th %ile)	360
90th %ile	930
Max (100th %ile)	3000

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	21
Min	<1
Mean	10.81
Median (50th %ile)	3
90th %ile	22
Max (100th %ile)	120

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
5-Mar-24	L3.1 Concentration Limits	Faecal Coliforms	Faecal Coliforms (310 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3
12-Mar-24	L3.1 Concentration Limits	Faecal Coliforms	Faecal Coliforms (360 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3
19-Mar-24	L3.1 Concentration Limits	Faecal Coliforms	Faecal Coliforms (530 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3
19-Mar-24	L3.1 Concentration Limits	Total Phosphorus	Total Phosphorus (9.70 mg/L) exceeded 90 percentile concentration limit (8.0 mg/L) at monitoring point 3

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EPA Licence Point Map

