

Tomakin Sewage Treatment Plant - Monthly Result Summary - March 2022



Anniversary Date: 1-Apr-21
Published Date: 23-May-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: **Mar-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* 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)	
22-Mar-22	3.00	<5	7.10	4.00	3.70	1100	3.97	4.94	0.57	31-Mar-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	13	13	13	13	13	13	13	13	13
Min	<2	<5	7.00	<2	0.10	20	1.00	4.940	0.14
Mean	1.69	2.50	7.28	1.62	3.43	810	3.82	6.630	0.46
Median (50th %ile)	1.00	2.50	7.30	1.00	2.50	640	2.20	6.420	0.50
90th %ile	3.00	2.50	7.56	2.00	4.50	1500	8.15	7.628	0.68
Max (100th %ile)	3.00	<5	7.70	4.00	16.90	3100	8.82	7.820	0.93

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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-22	3.8	5910.0	NO
2-Mar-22	19	6320.0	NO
3-Mar-22	47.4	2760.0	NO
4-Mar-22	23.2	3410.0	NO
5-Mar-22	2.4	7480.0	NO
6-Mar-22	27.8	7480.0	NO
7-Mar-22	7.6	10480.0	NO
8-Mar-22	45	3760.0	NO
9-Mar-22	58.8	2760.0	NO
10-Mar-22	1	2040.0	NO
11-Mar-22	0	2070.0	NO
12-Mar-22	0	2140.0	NO
13-Mar-22	0.2	2140.0	NO
14-Mar-22	0	1760.0	NO
15-Mar-22	2.8	1600.0	NO
16-Mar-22	5	1510.0	NO
17-Mar-22	3.4	1560.0	NO
18-Mar-22	0.2	2690.0	NO
19-Mar-22	0	1590.0	NO
20-Mar-22	17.8	1590.0	NO
21-Mar-22	0	1520.0	NO
22-Mar-22	0	1480.0	NO
23-Mar-22	0	1450.0	NO
24-Mar-22	1.6	1450.0	NO
25-Mar-22	0	1800.0	NO
26-Mar-22	2	1880.0	NO
27-Mar-22	17	1880.0	NO
28-Mar-22	6.6	1460.0	NO
29-Mar-22	1	1490.0	NO
30-Mar-22	1.2	1830.0	NO
31-Mar-22	2.8	1530.0	NO
Monthly Total	297.60	88820.00	
Monthly Minimum	0.00	1450.00	
Monthly Mean	9.60	2865.16	
Monthly Maximum	58.80	10480.00	
Year to Date Total	1139.60	608089.21	
Year to Date Minimum	0.00	990.00	
Year to Date Mean	3.13	1670.57	
Year to Date Maximum	58.80	10480.00	

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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-Mar-22	120	5-Mar-22
8-Mar-22	200	18-Mar-22
15-Mar-22	600	19-Mar-22
22-Mar-22	<1	31-Mar-22
29-Mar-22	69	2-Apr-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	22
Min	<1
Mean	55.05
Median (50th %ile)	7
90th %ile	115
Max (100th %ile)	600

Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
22-Mar-22	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

