

Tomakin Sewage Treatment Plant - Monthly Result Summary - December 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: Dec-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
6-Dec-22						40				11-Dec-22
13-Dec-22						18				27-Jan-23
20-Dec-22	<2	<5	7.40	<2	9.20	10	1.35	6.62	0.16	31-Dec-22
28-Dec-22						33				2-Jan-23
100 Percentile Exceedance?	NO	NO	NO	NO	NO	NO	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	10	10	10	10	10	16	10	10	10
Min	<2	<5	7.10	<2	0.70	10	1.35	4.100	0.07
Mean	2.20	2.50	7.31	2.10	17.43	731	4.45	5.662	0.48
Median (50th %ile)	2.00	2.50	7.30	1.50	1.90	80	3.66	5.760	0.35
90th %ile	4.00	2.50	7.40	3.30	35.03	2600	9.10	6.512	0.99
Max (100th %ile)	4.00	<5	7.40	6.00	115.40	4300	9.98	6.620	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-Dec-22	0	1260.1	NO
2-Dec-22	4.5	1219.8	NO
3-Dec-22	0	1281.6	NO
4-Dec-22	0	1449.4	NO
5-Dec-22	0	1348.7	NO
6-Dec-22	17	1807.2	NO
7-Dec-22	0	1922.7	NO
8-Dec-22	2	1270.1	NO
9-Dec-22	0	1228.2	NO
10-Dec-22	0	1213.6	NO
11-Dec-22	0	1506.9	NO
12-Dec-22	0.5	1488.8	NO
13-Dec-22	4.5	1309.2	NO
14-Dec-22	3.5	1202.7	NO
15-Dec-22	3	1229.0	NO
16-Dec-22	0.5	1322.3	NO
17-Dec-22	0	1338.0	NO
18-Dec-22	0	1469.4	NO
19-Dec-22	0	1590.1	NO
20-Dec-22	0	1384.4	NO
21-Dec-22	0	1330.1	NO
22-Dec-22	0	1334.0	NO
23-Dec-22	3	1508.2	NO
24-Dec-22	0	1569.5	NO
25-Dec-22	0	1612.6	NO
26-Dec-22	0	1659.9	NO
27-Dec-22	0	1905.5	NO
28-Dec-22	0	2215.0	NO
29-Dec-22	0	2323.1	NO
30-Dec-22	0.5	2228.0	NO
31-Dec-22	5.5	2337.9	NO
Monthly Total	44.50	47865.83	
Monthly Minimum	0.00	1202.65	
Monthly Mean	1.44	1544.06	
Monthly Maximum	17.00	2337.93	
Year to Date Total	969.00	446393.94	
Year to Date Minimum	0.00	997.73	
Year to Date Mean	3.52	1623.25	
Year to Date Maximum	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
6-Dec-22	490	11-Dec-22
13-Dec-22	<1	27-Jan-23
20-Dec-22	<1	31-Dec-22
28-Dec-22	33	2-Jan-23

* 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	9
Min	<1
Mean	73.00
Median (50th %ile)	0
90th %ile	194
Max (100th %ile)	490

Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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EPA Licence Point Map

