

Tomakin Sewage Treatment Plant - Monthly Result Summary - September 2021



Anniversary Date: 1-Apr-21
Published Date: 4-Nov-21

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: **Sep-21**

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	Monthly	Monthly	Monthly	Monthly	Monthly	Special Frequency 2*	Monthly	Monthly	Monthly	
Sampling Method	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Composite Sample	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
7-Sep-21	<2	<5	7.40	2.00	3.20	640	2.01	7.40	0.29	17-Sep-21
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	6	6	6	6	6	6	6	6	6
Min	<2	<5	7.00	<2	1.50	21	2.01	5.960	0.29
Mean	1.67	2.50	7.38	1.33	5.15	530	4.59	6.700	0.47
Median (50th %ile)	1.00	2.50	7.35	1.00	2.85	570	3.16	6.500	0.46
90th %ile	3.00	2.50	7.65	2.00	10.80	945	8.59	7.490	0.63
Max (100th %ile)	3.00	<5	7.70	2.00	16.90	980	8.82	7.580	0.71

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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-Sep-21	0	1060.0	NO
2-Sep-21	0	1190.0	NO
3-Sep-21	0	1430.0	NO
4-Sep-21	0	1770.0	NO
5-Sep-21	18.4	1770.0	NO
6-Sep-21	8.6	1110.0	NO
7-Sep-21	0	1170.0	NO
8-Sep-21	0	1080.0	NO
9-Sep-21	0	1100.0	NO
10-Sep-21	0	1120.0	NO
11-Sep-21	0	1090.0	NO
12-Sep-21	0	1090.0	NO
13-Sep-21	0	1060.0	NO
14-Sep-21	0	1090.0	NO
15-Sep-21	0	1060.0	NO
16-Sep-21	0	1080.0	NO
17-Sep-21	0	1150.0	NO
18-Sep-21	0	1200.0	NO
19-Sep-21	0	1200.0	NO
20-Sep-21	0	1030.0	NO
21-Sep-21	0	1030.0	NO
22-Sep-21	0	1050.0	NO
23-Sep-21	0	1050.0	NO
24-Sep-21	0	1040.0	NO
25-Sep-21	4.8	1080.0	NO
26-Sep-21	0	1090.0	NO
27-Sep-21	0	1170.0	NO
28-Sep-21	0	1020.0	NO
29-Sep-21	0	1090.0	NO
30-Sep-21	0	1090.0	NO
Monthly Total	31.80	34560.00	
Monthly Minimum	0.00	1020.00	
Monthly Mean	1.06	1152.00	
Monthly Maximum	18.40	1770.00	
Year to Date Total	320.00	248003.21	
Year to Date Minimum	0.00	1003.94	
Year to Date Mean	1.75	1355.21	
Year to Date Maximum	56.00	5982.37	

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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

* 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 to date	
Minimum Result	
Mean Result	
Median Result	
Maximum Result	

Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
7-Sep-21	Concentration Limit	Faecal Coliforms	100 Percentile Limit exceeded. Operators to assess UV system.

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EPA Licence Point Map

