

Tomakin Sewage Treatment Plant - Monthly Result Summary - May 2021



Anniversary Date: 1-Apr-21
Published Date: 9-Jun-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: **May-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	25
Chlorophyll a	(mg/m ³)		
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	Special Frequency 2* 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/m ³)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	Obtained Date
18-May-21	<2	<5	7.00	<2	2.50	500	8.36	6.60	0.42	1-Jun-21
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/m ³)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Total Samples	2	2	2	2	2	2	2	2	2
Minimum Result	<2	<5	7.00	<2	1.50	500	2.04	6.26	0.42
Mean Result	1.00	2.50	7.15	1.00	2.00	740	5.20	6.43	0.46
Median Result	1.00	2.50	7.15	1.00	2.00	740	5.20	6.43	0.46
Maximum Result	<2	<5	7.30	<2	2.50	980	8.36	6.60	0.50

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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-May-21	0	1130.6	NO
2-May-21	0	1217.6	NO
3-May-21	0.5	1209.8	NO
4-May-21	10.5	1177.6	NO
5-May-21	45	2158.9	NO
6-May-21	32	3801.9	NO
7-May-21	31	3900.1	NO
8-May-21	23	5982.4	NO
9-May-21	0	1980.0	NO
10-May-21	0.5	1547.2	NO
11-May-21	3.5	1377.6	NO
12-May-21	0.5	1242.4	NO
13-May-21	0	1200.2	NO
14-May-21	0	1328.6	NO
15-May-21	0	1202.0	NO
16-May-21	0	1293.9	NO
17-May-21	0	1435.7	NO
18-May-21	0	1762.9	NO
19-May-21	0	1246.2	NO
20-May-21	0	1291.9	NO
21-May-21	0	1163.5	NO
22-May-21	0	1162.3	NO
23-May-21	0	1234.0	NO
24-May-21	1.5	1463.0	NO
25-May-21	1	1114.8	NO
26-May-21	0	1180.8	NO
27-May-21	0	1175.6	NO
28-May-21	0	1172.4	NO
29-May-21	0	1210.4	NO
30-May-21	0	1341.5	NO
31-May-21	0	1400.4	NO
Monthly Total	149	51106.1	
Monthly Minimum	0	1114.79	
Monthly Mean	4.81	1648.58	
Monthly Maximum	45	5982.37	
Year to Date Total	161	94595.1	
Year to Date Minimum	0	1062.31	
Year to Date Mean	2.64	1550.74	
Year to Date Maximum	45	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
18-May-21	Concentration Limit	Faecal Coliforms	90 Percentile concentration limit exceeded. Operators to assess UV system.

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EPA Licence Point Map

