

Tomakin Sewage Treatment Plant - Monthly Result Summary - November 2021



Anniversary Date: 1-Apr-21
Published Date: 10-Dec-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: **Nov-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 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	
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
2-Nov-21	<2	<5	7.30	<2	2.90	20	1.79	7.44	0.17	12-Nov-21
30-Nov-21	<2	<5	7.10	2.00	0.70	390	4.52	6.38	0.53	10-Dec-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/m3)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Samples	9	9	9	9	9	9	9	9	9
Min	<2	<5	7.00	<2	0.70	20	1.00	5.960	0.14
Mean	1.44	2.50	7.34	1.33	4.09	403	3.87	6.871	0.40
Median (50th %ile)	1.00	2.50	7.30	1.00	2.50	390	2.20	6.600	0.42
90th %ile	3.00	2.50	7.62	2.00	7.14	924	8.45	7.628	0.57
Max (100th %ile)	3.00	<5	7.70	2.00	16.90	980	8.82	7.820	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-Nov-21	0	1230.0	NO
2-Nov-21	0	1180.0	NO
3-Nov-21	0	1250.0	NO
4-Nov-21	0	2230.0	NO
5-Nov-21	8.6	1530.0	NO
6-Nov-21	18.2	1630.0	NO
7-Nov-21	0	1630.0	NO
8-Nov-21	8	1370.0	NO
9-Nov-21	2.2	1330.0	NO
10-Nov-21	0	1290.0	NO
11-Nov-21	7.4	2580.0	NO
12-Nov-21	3.8	2240.0	NO
13-Nov-21	25	1810.0	NO
14-Nov-21	9.6	1810.0	NO
15-Nov-21	0.4	1210.0	NO
16-Nov-21	0	1270.0	NO
17-Nov-21	0	1350.0	NO
18-Nov-21	0.4	1280.0	NO
19-Nov-21	0	1760.0	NO
20-Nov-21	4.2	2620.0	NO
21-Nov-21	13.8	2620.0	NO
22-Nov-21	12.6	1320.0	NO
23-Nov-21	0.4	1430.0	NO
24-Nov-21	0	2410.0	NO
25-Nov-21	0	4950.0	NO
26-Nov-21	36.6	3320.0	NO
27-Nov-21	34.8	1910.0	NO
28-Nov-21	11.2	1910.0	NO
29-Nov-21	0.2	1410.0	NO
30-Nov-21	0	1260.0	NO
Monthly Total	197.40	55140.00	
Monthly Minimum	0.00	1180.00	
Monthly Mean	6.58	1838.00	
Monthly Maximum	36.60	4950.00	
Year to Date Total	600.00	346739.21	
Year to Date Minimum	0.00	990.00	
Year to Date Mean	2.42	1398.14	
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
2-Nov-21	25	12-Nov-21
9-Nov-21	25	15-Nov-21
16-Nov-21	4	30-Nov-21
23-Nov-21	<1	26-Nov-21
30-Nov-21	8	10-Dec-21

* 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	5
Min	<1
Mean	12.4
Median (50th %ile)	8
90th %ile	25
Max (100th %ile)	25

Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
30-Nov-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (390 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3

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EPA Licence Point Map

