

## Tomakin Treatment Plant - Monthly Result Summary - December 2020



Licensee: Eurobodalla Shire Council  
 EPL No.: 2851  
 Premises: Tomakin Sewage Treatment Plant  
 Address: George Bass Drive, Tomakin, NSW 2537  
 Licence Period: 01-Apr-20 to 31-Mar-21  
 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/>

Anniversary Date: 01-Apr-20  
 Published Date: 22-Jan-21

Required Month: **Dec-20**

Licence Point / Type of Point: Licence Point 1 - Discharge to Waters			
Parameters	Unit of Measure	50 percentile concentration limit	100 percentile concentration limit
Biological Oxygen Demand	(mg/L)	10	20
Oil and Grease	(mg/L)	-	10
Total Nitrogen	(mg/L)	-	-
Total Phosphorus	(mg/L)	-	-
Total Suspended Solids	(mg/L)	15	30

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1 and Point 2.  
 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 / Type of Point: Licence Point 3 - Effluent Quality Monitoring							
Sample Frequency	Monthly Composite	Special Frequency 1 Grab	Monthly Grab	Monthly Composite	Monthly Composite	Monthly Composite	
Parameters	Biological Oxygen Demand	Chlorophyll a	Oil and Grease	Total Nitrogen	Total Phosphorus	Total Suspended Solids	
Unit of Measure	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
Sample Date							Obtained Date
01-Dec-20	<2	0.0234	<5	1.03	6.4	2	11-Dec-20
Minimum Value	<2	0.0234	<5	1.03	6.4	2	
Maximum Value	<2	0.0234	<5	1.03	6.4	2	

Licence Condition - 100 Percentile									
Sample Date	Biological Oxygen Demand			Oil and Grease			Total Suspended Solids		
	Measurement	Actual 100 Percentile to Sample Date	Exceedance	Measurement	Actual 100 Percentile to Sample Date	Exceedance	Measurement	Actual 100 Percentile to Sample Date	Exceedance
01-Dec-20	<2	5	NO	<5	5	NO	2	3	NO

Note 1: Special Frequency 1 means collect and store sample monthly, at the same time as Biochemical Oxygen Demand or Total Suspended Solids sampling. If the Biochemical Oxygen Demand or Total Suspended Solids 100 percentile concentration limit is exceeded as per condition L3.3, then analyse the stored sample for chlorophyll a and  
 Note 2: For the purpose of this licence, a composite sample is defined as at least three grab samples forming a pooled sample, with the first and last samples taken at least seven hours apart.

Licence Point / Type of Point: Licence Point 4 - Ambient Water Monitoring		
Sample Frequency	Special Frequency 2	
Sampling Method	Grab	
Parameters	Faecal Coliforms	
Unit of Measure	(cfu/100mL)	
Sample Date	Obtained Date	
01-Dec-20	1	11-Dec-20
08-Dec-20	<1	12-Dec-20
15-Dec-20	1	26-Dec-20
22-Dec-20	3	27-Dec-20
29-Dec-20	6	03-Jan-21

Special Frequency 1 means collect and store sample monthly, at the same time as Biochemical Oxygen Demand or Total Suspended Solids sampling. If the Biochemical Oxygen Demand or Total Suspended Solids 100 percentile concentration limit is exceeded as per condition L3.3, then analyse the stored sample for chlorophyll a and report results to the EPA as soon as the results become available.

Special Frequency 2 means at least weekly during the months of November, December, January, February and March.

Note: For the purpose of this licence, a composite sample is defined as at least three grab samples forming a pooled sample, with the first and last sample taken at least seven hours apart.

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Licence Point / Type of Point:		Licence Point 2 - Influent Volume Monitoring		
Sample Frequency	Daily (Continuous)	Maximum Daily flow (kL)		14000
Sampling Method	Ultrasonic Flow Meter			
Parameters	Rainfall (mm)	Flow (kL)	Exceedance (YES/NO)	
Unit of Measure				
Sample Date				
1-Dec-20	0.5	1226.9	NO	
2-Dec-20	0	1156.2	NO	
3-Dec-20	0.5	1176.3	NO	
4-Dec-20	0.5	1151.8	NO	
5-Dec-20	0.5	1199.3	NO	
6-Dec-20	0	1294.8	NO	
7-Dec-20	2	1271.5	NO	
8-Dec-20	1	1158.1	NO	
9-Dec-20	0	1166.3	NO	
10-Dec-20	0	1170.7	NO	
11-Dec-20	0	1202.3	NO	
12-Dec-20	0	1228.9	NO	
13-Dec-20	4.5	1315.7	NO	
14-Dec-20	1	1313.6	NO	
15-Dec-20	0	1235.7	NO	
16-Dec-20	48	1220.5	NO	
17-Dec-20	81	5150.5	NO	
18-Dec-20	0.5	2023.3	NO	
19-Dec-20	1	1529.4	NO	
20-Dec-20	1	1582.8	NO	
21-Dec-20	0.5	1615.5	NO	
22-Dec-20	9	1629.6	NO	
23-Dec-20	1.5	1729.8	NO	
24-Dec-20	2	1577.5	NO	
25-Dec-20	2	1784.3	NO	
26-Dec-20	1	1741.6	NO	
27-Dec-20	126	3803.4	NO	
28-Dec-20	0.5	3684.6	NO	
29-Dec-20	4	2631.2	NO	
30-Dec-20	0	2629.4	NO	
31-Dec-20	0	2701.3	NO	
Monthly Total	289	55303		
Monthly Minimum	0	1152		
Monthly Maximum	126	5151		

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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