

## Moruya Sewage Treatment Plant - Monthly Result Summary - October 2021



Anniversary Date: 1-Apr-21  
Published Date: 3-Nov-21

Licensee: Eurobodalla Shire Council  
EPL No.: 1614  
Premises: Moruya Sewage Treatment Plant  
Address: Queen Street, Moruya, NSW 2537

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: **Oct-21**

Licence Point 6 (Discharge to Utilisation Area) & 11 (Discharge to Waters) - 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)	1	2
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 Points 6 and 11 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	Monthly 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
5-Oct-21	2.00	<5	7.50	5.00	1.90	2400	5.25	0.23	0.08	15-Oct-21
100 Percentile Exceedance?	NO	NO	NO	NO	NO	YES	NO	NO	NO	

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	7	7	7	7	7	7	7	7	7
Min	<2	<5	7.20	<2	1.00	350	4.79	0.110	0.01
Mean	2.43	2.50	7.30	4.71	3.89	7837	5.68	0.201	0.05
Median (50th %ile)	2.00	2.50	7.30	6.00	2.30	1500	5.25	0.205	0.04
90th %ile	4.20	2.50	7.44	6.40	7.70	20100	6.76	0.265	0.10
Max (100th %ile)	6.00	<5	7.50	7.00	15.20	45000	7.55	0.296	0.12

## Moruya Sewage Treatment Plant - Monthly Result Summary - October 2021

Licensee: Eurobodalla Shire Council  
 EPL No.: 1614  
 Premises: Moruya Sewage Treatment Plant  
 Address: Queen Street, Moruya, NSW 2537



Anniversary Date: 1-Apr-21  
 Published Date: 3-Nov-21

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

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	770.0	NO
2-Sep-21	0	700.0	NO
3-Sep-21	0	650.0	NO
4-Sep-21	0	760.0	NO
5-Sep-21	18.4	1270.0	NO
6-Sep-21	10.4	960.0	NO
7-Sep-21	0	790.0	NO
8-Sep-21	0	750.0	NO
9-Sep-21	0	710.0	NO
10-Sep-21	0	660.0	NO
11-Sep-21	0	650.0	NO
12-Sep-21	0	620.0	NO
13-Sep-21	0	650.0	NO
14-Sep-21	0	590.0	NO
15-Sep-21	0	580.0	NO
16-Sep-21	0.8	610.0	NO
17-Sep-21	0.2	620.0	NO
18-Sep-21	0	550.0	NO
19-Sep-21	0	530.0	NO
20-Sep-21	0	560.0	NO
21-Sep-21	0	580.0	NO
22-Sep-21	0	530.0	NO
23-Sep-21	0	570.0	NO
24-Sep-21	0	550.0	NO
25-Sep-21	0	490.0	NO
26-Sep-21	0.2	520.0	NO
27-Sep-21	0	550.0	NO
28-Sep-21	0	520.0	NO
29-Sep-21	0	520.0	NO
30-Sep-21	0	680.0	NO
31-Aug-21	0.2	830.0	NO
Monthly Total	30.2	20320.0	
Monthly Minimum	0	490	
Monthly Mean	0.97	655.48	
Monthly Maximum	18.4	1270	
Year to Date Total	404.1	168828.0	
Year to Date Minimum	0.0	470.0	
Year to Date Mean	1.89	788.92	
Year to Date Maximum	62.4	4828.0	

## Moruya Sewage Treatment Plant - Monthly Result Summary - October 2021

Licensee: Eurobodalla Shire Council

EPL No.: 1614

Premises: Moruya Sewage Treatment Plant

Address: Queen Street, Moruya, NSW 2537

Licence Period: 1-Apr-21 to 31-Mar-22

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>



Anniversary Date: 1-Apr-21

Published Date: 3-Nov-21

### Licence Point 7 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
5-Oct-21	1.29	0.095	15-Oct-21

### Licence Point 8 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
5-Oct-21	1.92	0.082	15-Oct-21

### Licence Point 7 - Ambient Water Monitoring (Year to Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	7	7
Min	0.77	0.028
Mean	1.34	0.048
Median (50th %ile)	1.02	0.041
90th %ile	2.15	0.066
Max (100th %ile)	3.43	0.095

### Licence Point 8 - Ambient Water Monitoring (Year to Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	7	7
Min	0.54	0.019
Mean	1.52	0.039
Median (50th %ile)	1.62	0.031
90th %ile	2.03	0.060
Max (100th %ile)	2.19	0.082

### Licence Point 9 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample		
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
5-Oct-21	0.26	0.008	15-Oct-21

### Licence Point 10 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample		
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
5-Oct-21	0.29	0.013	15-Oct-21

### Licence Point 9 - Ambient Water Monitoring (Year To Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	7	7
Min	0.17	0.004
Mean	0.29	0.008
Median (50th %ile)	0.26	0.008
90th %ile	0.45	0.009
Max (100th %ile)	0.57	0.011

### Licence Point 10 - Ambient Water Monitoring (Year To Date Results)

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	7	7
Min	0.16	0.006
Mean	0.29	0.010
Median (50th %ile)	0.25	0.011
90th %ile	0.43	0.013
Max (100th %ile)	0.51	0.014

## Moruya Sewage Treatment Plant - Monthly Result Summary - October 2021

Licensee: Eurobodalla Shire Council  
 EPL No.: 1614  
 Premises: Moruya Sewage Treatment Plant  
 Address: Queen Street, Moruya, NSW 2537  
 Licence Period: 1-Apr-21 to 31-Mar-22  
 EPL Link: <https://apps.epa.nsw.gov.au/prpoeapp/ViewPOEOLicence.aspx?DOCID=206032&SYSUID=1&LICID=1614>  
 POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeapp/>



Anniversary Date: 1-Apr-21  
 Published Date: 3-Nov-21

### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
5-Oct-21	Concentration Limit	Faecal Coliforms	100 Percentile concentration limit exceeded. Operators to assess UV system.

### EPA Licence Point Map

