

## Moruya Sewage Treatment Plant - Monthly Result Summary - September 2022



Anniversary Date: 1-Apr-21  
Published Date: 14-Oct-22

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: **Sep-22**

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
6-Sep-22	2.00	<5	7.60	3.00	0.90	6700	6.42	0.14	0.02	20-Sep-22
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	6	6	6	6	6	6	6	6	6
Min	<2	<5	7.30	3.00	0.90	1700	5.06	0.120	0.01
Mean	2.33	2.50	7.48	5.33	7.73	6600	7.68	0.153	0.07
Median (50th %ile)	2.50	2.50	7.50	4.00	5.40	6350	6.84	0.149	0.02
90th %ile	3.50	2.50	7.65	9.00	15.80	10000	10.81	0.178	0.19
Max (100th %ile)	4.00	<5	7.70	12.00	16.60	10000	12.80	0.186	0.35

## Moruya Sewage Treatment Plant - Monthly Result Summary - September 2022

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: 14-Oct-22

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	651.0	NO
2-Sep-21	0	569.0	NO
3-Sep-21	0	564.0	NO
4-Sep-21	0	527.0	NO
5-Sep-21	0	575.0	NO
6-Sep-21	0	571.0	NO
7-Sep-21	0	546.0	NO
8-Sep-21	2	579.0	NO
9-Sep-21	3.6	583.0	NO
10-Sep-21	4.2	610.0	NO
11-Sep-21	0.2	609.0	NO
12-Sep-21	4	647.0	NO
13-Sep-21	0.2	626.0	NO
14-Sep-21	0.6	599.0	NO
15-Sep-21	0.8	612.0	NO
16-Sep-21	0.2	601.0	NO
17-Sep-21	0	577.0	NO
18-Sep-21	0	557.0	NO
19-Sep-21	0	560.0	NO
20-Sep-21	0	558.0	NO
21-Sep-21	11.2	578.0	NO
22-Sep-21	13.6	1064.0	NO
23-Sep-21	4.6	883.0	NO
24-Sep-21	7.2	1056.0	NO
25-Sep-21	0	847.0	NO
26-Sep-21	0	772.0	NO
27-Sep-21	3.6	2423.0	NO
28-Sep-21	35	2323.0	NO
29-Sep-21	9.8	2562.0	NO
30-Sep-21	32.8	2920.0	NO
<b>Monthly Total</b>	133.6	27149.0	
<b>Monthly Minimum</b>	0	527	
<b>Monthly Mean</b>	4.45	904.97	
<b>Monthly Maximum</b>	35	2920	
<b>Year to Date Total</b>	303.6	153152.0	
<b>Year to Date Minimum</b>	0.0	0.0	
<b>Year to Date Mean</b>	1.66	836.90	
<b>Year to Date Maximum</b>	35.0	5125.0	

## Moruya Sewage Treatment Plant - Monthly Result Summary - September 2022

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: 14-Oct-22

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

Frequency	Monthly	Monthly	
Sampling Method	Grab Sample	Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
6-Sep-22	7.37	0.485	20-Sep-22

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

Frequency	Monthly	Monthly	
Sampling Method	Grab Sample	Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
6-Sep-22	5.89	0.248	20-Sep-22

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	6	6
Min	1.05	0.045
Mean	2.81	0.178
Median (50th %ile)	1.36	0.115
90th %ile	6.01	0.366
Max (100th %ile)	7.37	0.485

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	6	6
Min	1.07	0.062
Mean	3.46	0.142
Median (50th %ile)	3.97	0.140
90th %ile	5.25	0.216
Max (100th %ile)	5.89	0.248

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

Frequency	Monthly		
Sampling Method	Grab Sample	Total Phosphorus	Obtained Date
Sampled Date	Total Nitrogen (mg/L)	(mg/L)	
6-Sep-22	0.22	0.008	20-Sep-22

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

Frequency	Monthly		
Sampling Method	Grab Sample	Total Phosphorus	Obtained Date
Sampled Date	Total Nitrogen (mg/L)	(mg/L)	
6-Sep-22	0.23	0.015	20-Sep-22

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	6	6
Min	0.15	0.003
Mean	0.36	0.010
Median (50th %ile)	0.37	0.009
90th %ile	0.53	0.018
Max (100th %ile)	0.61	0.023

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples	6	6
Min	0.20	0.006
Mean	0.33	0.013
Median (50th %ile)	0.35	0.010
90th %ile	0.44	0.022
Max (100th %ile)	0.47	0.029

## Moruya Sewage Treatment Plant - Monthly Result Summary - September 2022

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: 14-Oct-22

### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
6-Sep-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (6'700 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3 (Prior to finishing pond)

### EPA Licence Point Map

