

## Moruya Sewage Treatment Plant - Monthly Result Summary - February 2025



Anniversary Date: 1-Apr-24  
Published Date: 17-Mar-25

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

Licence Period: 1-Apr-24 to 31-Mar-25

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: **Feb-25**

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	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
18-Feb-25	<2	<5	7.40	2.00	4.51	16000	8.42	0.32	0.03	26-Feb-25
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	12	12	12	12	12	12	12	12	12
Min	<2	<5	6.90	<2	0.70	450	6.25	0.187	0.01
Mean	2.50	2.50	7.15	3.92	6.62	33854	10.17	0.303	0.08
Median (50th %ile)	2.00	2.50	7.15	4.00	5.16	34500	9.36	0.275	0.04
90th %ile	4.80	2.50	7.39	6.00	14.04	66800	14.84	0.424	0.08
Max (100th %ile)	6.00	<5	7.40	9.00	18.80	89000	16.20	0.555	0.58

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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-Feb-25	0	603.0	NO
2-Feb-25	0	565.0	NO
3-Feb-25	0	573.0	NO
4-Feb-25	0	615.0	NO
5-Feb-25	0	678.0	NO
6-Feb-25	11.8	668.0	NO
7-Feb-25	0	666.0	NO
8-Feb-25	4	741.0	NO
9-Feb-25	13	675.0	NO
10-Feb-25	1.6	722.0	NO
11-Feb-25	1.2	700.0	NO
12-Feb-25	0.2	625.0	NO
13-Feb-25	0.2	688.0	NO
14-Feb-25	1.6	670.0	NO
15-Feb-25	10.4	659.0	NO
16-Feb-25	2.2	640.0	NO
17-Feb-25	0.2	837.0	NO
18-Feb-25	0	791.0	NO
19-Feb-25	0	608.0	NO
20-Feb-25	0	661.0	NO
21-Feb-25	0	592.0	NO
22-Feb-25	0	537.0	NO
23-Feb-25	0	533.0	NO
24-Feb-25	0	660.0	NO
25-Feb-25	0.6	664.0	NO
26-Feb-25	0	679.0	NO
27-Feb-25	0	576.0	NO
28-Feb-25	0	587.0	NO
<b>Monthly Total</b>	<b>47</b>	<b>18213.0</b>	
<b>Monthly Minimum</b>	<b>0</b>	<b>533</b>	
<b>Monthly Mean</b>	<b>1.68</b>	<b>650.46</b>	
<b>Monthly Maximum</b>	<b>13</b>	<b>837</b>	
<b>Year to Date Total</b>	<b>759.1</b>	<b>263402.0</b>	
<b>Year to Date Minimum</b>	<b>0.0</b>	<b>144.0</b>	
<b>Year to Date Mean</b>	<b>2.27</b>	<b>788.63</b>	
<b>Year to Date Maximum</b>	<b>89.8</b>	<b>6035.0</b>	

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### Licence Point 7 (MO807) - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	Obtained Date
18-Feb-25	1.28	0.137	2000	26-Feb-25

### Licence Point 8 (MO808) - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	Obtained Date
18-Feb-25	1.18	0.105	2000	26-Feb-25

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)
Samples	12	12	12
Min	0.28	0.021	170
Mean	2.72	0.075	601
Median (50th %ile)	1.46	0.073	465
90th %ile	6.68	0.134	941
Max (100th %ile)	11.00	0.146	2000

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)
Samples	12	12	12
Min	0.25	0.015	39
Mean	2.10	0.068	552
Median (50th %ile)	0.98	0.039	385
90th %ile	4.04	0.130	1242
Max (100th %ile)	6.70	0.177	2000

### Licence Point 9 (MO809) - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	Obtained Date
18-Feb-25	0.2	0.009	66	26-Feb-25

### Licence Point 10 (MO810) - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	Obtained Date
18-Feb-25	0.19	0.010	160	26-Feb-25

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)
Samples	12	12	12
Min	0.15	0.009	9
Mean	0.32	0.016	288
Median (50th %ile)	0.22	0.013	61
90th %ile	0.52	0.022	167
Max (100th %ile)	0.84	0.049	2700

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)
Samples	12	12	12
Min	0.19	0.010	4
Mean	0.41	0.024	195
Median (50th %ile)	0.25	0.017	87
90th %ile	0.58	0.028	276
Max (100th %ile)	1.58	0.097	1200

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### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
18-Feb-25	Concentration Limit	Faecal Coliforms	Faecal Coliform result (16000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3 (Prior to finishing pond) Post finishing pond actual discharge results to Ryan's Creek (MO818) = 7 CFU/100mL.

### EPA Licence Point Map

