

Moruya Sewage Treatment Plant - Monthly Result Summary - January 2025



Anniversary Date: 1-Apr-24
Published Date: 6-Feb-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: **Jan-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 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
21-Jan-25	3.00	<5	7.20	5.00	12.38	43000	11.10	0.56	0.03	31-Jan-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	11	11	11	11	11	11	11	11	11
Min	<2	<5	6.90	<2	0.70	450	6.25	0.187	0.01
Mean	2.64	2.50	7.13	4.09	6.82	35477	10.33	0.302	0.09
Median (50th %ile)	2.00	2.50	7.10	4.00	5.80	43000	10.00	0.268	0.04
90th %ile	5.00	2.50	7.30	6.00	14.22	68000	15.10	0.427	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-Jan-25	0	644.0	NO
2-Jan-25	0.2	620.0	NO
3-Jan-25	0	592.0	NO
4-Jan-25	0	578.0	NO
5-Jan-25	5.4	561.0	NO
6-Jan-25	1.6	621.0	NO
7-Jan-25	5	640.0	NO
8-Jan-25	4	596.0	NO
9-Jan-25	0.2	527.0	NO
10-Jan-25	88.6	3022.0	NO
11-Jan-25	13.4	4177.0	NO
12-Jan-25	0	1985.0	NO
13-Jan-25	0	2801.0	NO
14-Jan-25	0	1366.0	NO
15-Jan-25	53.6	1288.0	NO
16-Jan-25	0	4605.0	NO
17-Jan-25	0	1912.0	NO
18-Jan-25	1.6	1257.0	NO
19-Jan-25	5.6	1153.0	NO
20-Jan-25	1.2	1321.0	NO
21-Jan-25	0	1309.0	NO
22-Jan-25	0	1210.0	NO
23-Jan-25	0	1140.0	NO
24-Jan-25	5.8	1162.0	NO
25-Jan-25	0	989.0	NO
26-Jan-25	1.8	793.0	NO
27-Jan-25	0.2	778.0	NO
28-Jan-25	0	779.0	NO
29-Jan-25	0	770.0	NO
30-Jan-25	0	878.0	NO
31-Jan-25	0.6	760.0	NO
Monthly Total	188.8	40834.0	
Monthly Minimum	0	527	
Monthly Mean	6.09	1317.23	
Monthly Maximum	88.6	4605	
Year to Date Total	712.1	245189.0	
Year to Date Minimum	0.0	144.0	
Year to Date Mean	2.33	801.27	
Year to Date Maximum	89.8	6035.0	

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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
21-Jan-25	1.64	0.108	970	31-Jan-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
21-Jan-25	3.48	0.177	720	31-Jan-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	11	11	11
Min	0.28	0.021	170
Mean	2.85	0.069	474
Median (50th %ile)	1.64	0.072	390
90th %ile	7.00	0.108	680
Max (100th %ile)	11.00	0.146	970

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	11	11	11
Min	0.25	0.015	39
Mean	2.18	0.065	420
Median (50th %ile)	0.78	0.035	340
90th %ile	4.07	0.130	720
Max (100th %ile)	6.70	0.177	1300

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
21-Jan-25	0.48	0.015	140	31-Jan-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
21-Jan-25	0.57	0.023	280	31-Jan-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	11	11	11
Min	0.15	0.009	9
Mean	0.33	0.017	308
Median (50th %ile)	0.22	0.014	55
90th %ile	0.52	0.023	170
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	11	11	11
Min	0.19	0.011	4
Mean	0.43	0.025	198
Median (50th %ile)	0.26	0.017	13
90th %ile	0.58	0.028	280
Max (100th %ile)	1.58	0.097	1200

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
21-Jan-25	Concentration Limit	Faecal Coliforms	Faecal Coliform result (43000 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) = 14 CFU/100mL.
21-Jan-25	Concentration Limit	Total Nitrogen	Total Nitrogen result (11.10mg/L) exceeded 90 percentile concentration limit (10mg/L) at monitoring point 3. (Prior to finishing pond) Post finishing pond actual discharge results to Ryan's Creek (MO818) = 8.97mg/L).

EPA Licence Point Map

