

Moruya Sewage Treatment Plant - Monthly Result Summary - March 2025



Anniversary Date: 1-Apr-24
Published Date: 2-Apr-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: **Mar-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
18-Mar-25	<2	<5	7.10	3.00	5.11	75000	6.42	0.22	0.05	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	13	13	13	13	13	13	13	13	13
Min	<2	<5	6.90	<2	0.70	450	6.25	0.187	0.01
Mean	2.38	2.50	7.15	3.85	6.51	37019	9.88	0.297	0.08
Median (50th %ile)	2.00	2.50	7.10	4.00	5.11	43000	8.71	0.268	0.04
90th %ile	4.60	2.50	7.38	6.00	13.85	73600	14.58	0.422	0.07
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-Mar-25	0	552.0	NO
2-Mar-25	0	574.0	NO
3-Mar-25	0	574.0	NO
4-Mar-25	0	551.0	NO
5-Mar-25	5.4	637.0	NO
6-Mar-25	0	533.0	NO
7-Mar-25	0	557.0	NO
8-Mar-25	0	527.0	NO
9-Mar-25	0	527.0	NO
10-Mar-25	0	605.0	NO
11-Mar-25	0	874.0	NO
12-Mar-25	0	867.0	NO
13-Mar-25	0	547.0	NO
14-Mar-25	0	548.0	NO
15-Mar-25	0	502.0	NO
16-Mar-25	0	497.0	NO
17-Mar-25	0	575.0	NO
18-Mar-25	0	508.0	NO
19-Mar-25	0	533.0	NO
20-Mar-25	0	514.0	NO
21-Mar-25	0	505.0	NO
22-Mar-25	0	496.0	NO
23-Mar-25	0	497.0	NO
24-Mar-25	0	548.0	NO
25-Mar-25	0	565.0	NO
26-Mar-25	0	515.0	NO
27-Mar-25	0	500.0	NO
28-Mar-25	0	549.0	NO
29-Mar-25	10	785.0	NO
30-Mar-25	21.2	3368.0	NO
31-Mar-25	109.6	3766.0	NO
Monthly Total	146.2	23696.0	
Monthly Minimum	0	496	
Monthly Mean	4.72	764.39	
Monthly Maximum	109.6	3766	
Year to Date Total	905.3	287098.0	
Year to Date Minimum	0.0	144.0	
Year to Date Mean	2.48	786.57	
Year to Date Maximum	109.6	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
18-Mar-25	1.89	0.070	1800	28-Mar-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-Mar-25	2.84	0.093	870	28-Mar-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	13	13	13
Min	0.28	0.021	170
Mean	2.66	0.075	1155
Median (50th %ile)	1.64	0.072	540
90th %ile	6.36	0.131	1794
Max (100th %ile)	11.00	0.146	7800

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	13	13	13
Min	0.25	0.015	39
Mean	2.15	0.070	576
Median (50th %ile)	1.18	0.043	430
90th %ile	4.01	0.130	1214
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-Mar-25	0.29	0.009	56	28-Mar-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-Mar-25	0.28	0.011	46	28-Mar-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	13	13	13
Min	0.15	0.009	9
Mean	0.32	0.016	270
Median (50th %ile)	0.22	0.012	56
90th %ile	0.51	0.022	164
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	13	13	13
Min	0.19	0.010	4
Mean	0.40	0.023	184
Median (50th %ile)	0.26	0.016	46
90th %ile	0.58	0.027	272
Max (100th %ile)	1.58	0.097	1200

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
18-Mar-25	Concentration Limit	Faecal Coliforms	Faecal Coliform result (75000 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) = 1 CFU/100mL.

EPA Licence Point Map

