

Moruya Sewage Treatment Plant - Monthly Result Summary - April 2024



Anniversary Date: 1-Apr-24
Published Date: 8-May-24

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: **Apr-24**

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
16-Apr-24	<2	<5	7.20	6.00	5.80	68000	12.50	0.27	0.05	1-May-24
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	1	1	1	1	1	1	1	1	1
Min	<2	<5	7.20	6.00	5.80	68000	12.50	0.268	0.05
Mean	1.00	2.50	7.20	6.00	5.80	68000	12.50	0.268	0.05
Median (50th %ile)	1.00	2.50	7.20	6.00	5.80	68000	12.50	0.268	0.05
90th %ile	1.00	2.50	7.20	6.00	5.80	68000	12.50	0.268	0.05
Max (100th %ile)	<2	<5	7.20	6.00	5.80	68000	12.50	0.268	0.05

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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-Apr-24	0	587.0	NO
2-Apr-24	0	551.0	NO
3-Apr-24	0	564.0	NO
4-Apr-24	0	630.0	NO
5-Apr-24	8.8	877.0	NO
6-Apr-24	25.8	3564.0	NO
7-Apr-24	0.4	3100.0	NO
8-Apr-24	0.4	3066.0	NO
9-Apr-24	4.6	1508.0	NO
10-Apr-24	0	1068.0	NO
11-Apr-24	0	914.0	NO
12-Apr-24	0	845.0	NO
13-Apr-24	0	745.0	NO
14-Apr-24	0	717.0	NO
15-Apr-24	0	741.0	NO
16-Apr-24	0	849.0	NO
17-Apr-24	10.4	1249.0	NO
18-Apr-24	4.4	941.0	NO
19-Apr-24	1.8	823.0	NO
20-Apr-24	0.2	742.0	NO
21-Apr-24	0	695.0	NO
22-Apr-24	0	760.0	NO
23-Apr-24	0	708.0	NO
24-Apr-24	0	663.0	NO
25-Apr-24	0	624.0	NO
26-Apr-24	0	660.0	NO
27-Apr-24	0	652.0	NO
28-Apr-24	0	609.0	NO
29-Apr-24	0.2	647.0	NO
30-Apr-24	0	599.0	NO
31-Apr-24			NO
Monthly Total	65.6	19932.0	
Monthly Minimum	0	486	
Monthly Mean	2.12	642.97	
Monthly Maximum	39.4	1482	
Year to Date Total	57.0	30698.0	
Year to Date Minimum	0.0	551.0	
Year to Date Mean	1.90	1023.27	
Year to Date Maximum	25.8	3564.0	

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Licence Point 7 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	Obtained Date
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	
16-Apr-24	2.06	0.146	540	1-May-24

Licence Point 8 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	Obtained Date
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	
16-Apr-24	6.7	0.128	460	1-May-24

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	1	1	1
Min	2.06	0.146	540
Mean	2.06	0.146	540
Median (50th %ile)	2.06	0.146	540
90th %ile	2.06	0.146	540
Max (100th %ile)	2.06	0.146	540

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	1	1	1
Min	6.70	0.128	460
Mean	6.70	0.128	460
Median (50th %ile)	6.70	0.128	460
90th %ile	6.70	0.128	460
Max (100th %ile)	6.70	0.128	460

Licence Point 9 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	Obtained Date
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	
16-Apr-24	0.39	0.014	91	1-May-24

Licence Point 10 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	Monthly Grab Sample	Obtained Date
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Faecal Coliforms (CFU/100mL)	
16-Apr-24	0.45	0.018	200	1-May-24

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	1	1	1
Min	0.39	0.014	91
Mean	0.39	0.014	91
Median (50th %ile)	0.39	0.014	91
90th %ile	0.39	0.014	91
Max (100th %ile)	0.39	0.014	91

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	1	1	1
Min	0.45	0.018	200
Mean	0.45	0.018	200
Median (50th %ile)	0.45	0.018	200
90th %ile	0.45	0.018	200
Max (100th %ile)	0.45	0.018	200

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
16-Apr-24	Concentration Limit	Faecal Coliforms	Faecal Coliform result (68'000 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) = 15 CFU/100mL.

EPA Licence Point Map

