

Moruya Sewage Treatment Plant - Monthly Result Summary - May 2021



Anniversary Date: 1-Apr-21
Published Date: 9-Jun-21

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: **May-21**

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-May-21	<2	<5	7.20	6.00	2.30	1500	5.70	0.15	0.04	1-Jun-21
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)
Total Samples	2	2	2	2	2	2	2	2	2
Minimum Result	<2	<5	7.20	6.00	2.30	1300	5.04	0.15	0.01
Mean Result	2.00	2.50	7.30	6.00	8.75	1400	5.37	0.20	0.03
Median Result	2.00	2.50	7.30	6.00	8.75	1400	5.37	0.20	0.03
Maximum Result	3.00	<5	7.40	6.00	15.20	1500	5.70	0.24	0.04

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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-May-21	0	470.0	NO
2-May-21	0	539.0	NO
3-May-21	13.2	650.0	NO
4-May-21	44.2	1105.0	NO
5-May-21	62.4	3369.0	NO
6-May-21	30.2	4828.0	NO
7-May-21	27.8	4155.0	NO
8-May-21	0.2	2524.0	NO
9-May-21	0	1822.0	NO
10-May-21	0.2	1531.0	NO
11-May-21	2.6	1339.0	NO
12-May-21	0	1187.0	NO
13-May-21	0	1187.0	NO
14-May-21	0.2	1050.0	NO
15-May-21	0	954.0	NO
16-May-21	0	843.0	NO
17-May-21	0	803.0	NO
18-May-21	0	762.0	NO
19-May-21	0	745.0	NO
20-May-21	0	782.0	NO
21-May-21	0	719.0	NO
22-May-21	0.2	675.0	NO
23-May-21	0	669.0	NO
24-May-21	0.2	688.0	NO
25-May-21	0	685.0	NO
26-May-21	0	722.0	NO
27-May-21	0	653.0	NO
28-May-21	0	640.0	NO
29-May-21	0	659.0	NO
30-May-21	0	629.0	NO
31-May-21	0.2	638.0	NO
Monthly Total	181.6	38022.0	
Monthly Minimum	0	470	
Monthly Mean	5.86	1226.52	
Monthly Maximum	62.4	4828	
Year to Date Total	201.6	61223.0	
Year to Date Minimum	0	470	
Year to Date Mean	3.30	1003.66	
Year to Date Maximum	62.4	4828	

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Licence Point 7 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
18-May-21	0.8	0.041	1-Jun-21

Licence Point 8 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample	Monthly Grab Sample	
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
18-May-21	1.44	0.041	1-Jun-21

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples to date	2	
Minimum Result	0.80	0.040
Mean Result	1.01	0.041
Median Result	1.01	0.041
Maximum Result	1.22	0.041

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples to date	2	
Minimum Result	0.54	0.028
Mean Result	0.99	0.035
Median Result	0.99	0.035
Maximum Result	1.44	0.041

Licence Point 9 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample		
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
18-May-21	0.37	0.007	1-Jun-21

Licence Point 10 - Ambient Water Monitoring (Monthly Result)

Frequency Sampling Method	Monthly Grab Sample		
Sampled Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Obtained Date
18-May-21	0.37	0.008	1-Jun-21

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples to date	2	
Minimum Result	0.17	0.007
Mean Result	0.27	0.007
Median Result	0.27	0.007
Maximum Result	0.37	0.007

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

Year to Date	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
Samples to date	2	
Minimum Result	0.19	0.008
Mean Result	0.28	0.008
Median Result	0.28	0.008
Maximum Result	0.37	0.008

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
18-May-21	Concentration Limit	Faecal Coliforms	100 Percentile concentration limit exceeded. Operators to assess UV system.

EPA Licence Point Map

