

Moruya Sewage Treatment Plant - Monthly Result Summary - December 2020



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

Anniversary Date: 01-Apr-20  
 Published Date: 22-Jan-21

Licence Period: 01-Apr-20 to 31-Mar-21

EPL Link: <https://apps.epa.nsw.gov.au/prpoeapp/ViewPOEOLicence.aspx?DOCID=183818&SYSUID=1&LICID=1614>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: Dec-20

**Licence Point / Type of Point: Licence Point 6 - Discharge to Utilisation Area**

Parameters	Unit of Measure	50 percentile concentration limit	90 percentile concentration limit	100 percentile concentration limit
Biological Oxygen Demand	(mg/L)	10	-	20
Oil and Grease	(mg/L)	-	-	10
Total Nitrogen	(mg/L)	-	15	-
Total Phosphorus	(mg/L)	-	1	-
Total Suspended Solids	(mg/L)	20	-	30

See Note 1

**Licence Point/Type of Point Licence Point 11 - Discharge to Waters**

Parameters	Unit of Measure	50 percentile concentration limit	90 percentile concentration limit	100 percentile concentration limit
Biological Oxygen Demand	(mg/L)	10	-	20
Oil and Grease	(mg/L)	-	-	10
Total Nitrogen	(mg/L)	-	15	-
Total Phosphorus	(mg/L)	-	1	-
Total Suspended Solids	(mg/L)	20	-	30

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 11 and Point 6.

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 Point 11 and 6 as described in condition L3.

**Licence Point / Type of Point: Licence Point 3 - Effluent Quality Monitoring**

Sample Frequency	Monthly	Special Frequency 1	Monthly	Monthly	Monthly	Monthly	Monthly
Sampling Method	Composite	Grab	Grab	Composite	Composite	Composite	Composite
Parameters	Biological Oxygen Demand	Chlorophyll a	Oil and Grease	Total Nitrogen	Total Phosphorus	Total Suspended Solids	
Unit of Measure	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
Sample Date							Obtained Date
01-Dec-20	2	0.0036	<5	3.86	0.131	4	09-Dec-20
Minimum Value	2	0.0036	<5	3.86	0.131	4	
Maximum Value	2	0.0036	<5	3.86	0.131	4	

Note 1: Special Frequency 1 means collect and store sample monthly, at the same time as Biochemical Oxygen Demand or Total Suspended Solids sampling. If the Biochemical Oxygen Demand or Total Suspended Solids 100 percentile concentration limit is exceeded as per condition L3.3, then analyse the

Note 2: For the purpose of this licence, a composite sample is defined as at least three grab samples forming a pooled sample, with the first and last samples taken at least seven hours apart.

**100 Percentile - Licence Condition**

Sample Date	Biological Oxygen Demand			Oil and Grease			Total Suspended Solids		
	Measurement	Actual 100 Percentile to Sample Date	Exceedance	Measurement	Actual 100 Percentile to Sample Date	Exceedance	Measurement	Actual 100 Percentile to Sample Date	Exceedance
01-Dec-20	2	5	NO	<5	10	NO	4	13	NO

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Licence Point / Type of Point: Licence Point 7 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen	Total Phosphorus	
Unit of Measure	(mg/L)	(mg/L)	
Sample Date			Obtained Date
01-Dec-20	1.03	0.066	09-Dec-20

Licence Point / Type of Point: Licence Point 9 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen	Total Phosphorus	
Unit of Measure	(mg/L)	(mg/L)	
Sample Date			Obtained Date
01-Dec-20	0.22	0.009	09-Dec-20

Licence Point / Type of Point: Licence Point 8 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen	Total Phosphorus	
Unit of Measure	(mg/L)	(mg/L)	
Sample Date			Obtained Date
01-Dec-20	0.50	0.027	09-Dec-20

Licence Point / Type of Point: Licence Point 10 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen	Total Phosphorus	
Unit of Measure	(mg/L)	(mg/L)	
Sample Date			Obtained Date
01-Dec-20	0.18	0.012	09-Dec-20

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Licence Point / Type of Point: Licence Point 2 - Influent Volume Monitoring			
Sample Frequency	Daily (Continuous)	Maximum Daily Flow (kL)	14000
Sampling Method	Ultrasonic Flow Meter		
Parameters	Rainfall	Flow	Exceedance
Unit of Measure	(mm)	(kL)	(YES/NO)
Sample Date			
1-Dec-20	0	556	NO
2-Dec-20	0	566	NO
3-Dec-20	0	545	NO
4-Dec-20	0	585	NO
5-Dec-20	1.4	532	NO
6-Dec-20	0	1361	NO
7-Dec-20	0	429	NO
8-Dec-20	0	496	NO
9-Dec-20	0	540	NO
10-Dec-20	0	473	NO
11-Dec-20	0	574	NO
12-Dec-20	2.8	527	NO
13-Dec-20	3	517	NO
14-Dec-20	0	480	NO
15-Dec-20	0	518	NO
16-Dec-20	99.6	4384	NO
17-Dec-20	1	3062	NO
18-Dec-20	0	1506	NO
19-Dec-20	2.4	1353	NO
20-Dec-20	1.8	1069	NO
21-Dec-20	1	900	NO
22-Dec-20	10	1036	NO
23-Dec-20	0.8	1021	NO
24-Dec-20	0.6	910	NO
25-Dec-20	0	845	NO
26-Dec-20	90.5	716	NO
27-Dec-20	2.3	2276	NO
28-Dec-20	1	3369	NO
29-Dec-20	1.2	1863	NO
30-Dec-20	0	1588	NO
31-Dec-20	0	1463	NO
Monthly Total	219	36060	
Monthly Minimum	0	429	
Monthly Maximum	100	4384	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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