

Moruya Sewage Treatment Plant - Monthly Result Summary - November 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: 03-Dec-20

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: Nov-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	
Sampling Method	Composite	Grab	Grab	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
03-Nov-20	3	0.0016	<5	3.46	0.114	5	12-Nov-20
Minimum Value	3	0.0016	<5	3.46	0.114	5	
Maximum Value	3	0.0016	<5	3.46	0.114	5	

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
03-Nov-20	3	5	NO	<5	10	NO	5	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
03-Nov-20	2.62	0.138	12-Nov-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
03-Nov-20	1.18	0.033	12-Nov-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
03-Nov-20	2.60	0.139	12-Nov-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
03-Nov-20	1.12	0.026	12-Nov-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-Nov-20	25.4	7344	NO	
2-Nov-20	0	5548	NO	
3-Nov-20	0	1936	NO	
4-Nov-20	0	1589	NO	
5-Nov-20	31.6	1281	NO	
6-Nov-20	0	2373	NO	
7-Nov-20	0	1432	NO	
8-Nov-20	0	110	NO	
9-Nov-20	0	927	NO	
10-Nov-20	0	1271	NO	
11-Nov-20	0	1425	NO	
12-Nov-20	0.2	1100	NO	
13-Nov-20	0.4	933	NO	
14-Nov-20	0	891	NO	
15-Nov-20	0	741	NO	
16-Nov-20	0	902	NO	
17-Nov-20	0	1121	NO	
18-Nov-20	0	745	NO	
19-Nov-20	0	634	NO	
20-Nov-20	0	674	NO	
21-Nov-20	0	628	NO	
22-Nov-20	0	593	NO	
23-Nov-20	13.8	575	NO	
24-Nov-20	0	695	NO	
25-Nov-20	0	661	NO	
26-Nov-20	0	620	NO	
27-Nov-20	0	625	NO	
28-Nov-20	2	605	NO	
29-Nov-20	0.4	585	NO	
30-Nov-20	0	544	NO	
Monthly Total	74	39108		
Monthly Minimum	0	110		
Monthly Maximum	32	7344		

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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