

Moruya Sewage Treatment Plant - Monthly Result Summary - January 2020



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

Anniversary Date: 01-Apr-19  
 Published Date: 17-Feb-20

Licence Period: 01-Apr-19 to 31-Mar-20

EPL Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=28981&SYSUID=1&LICID=1614>

POEO Public Register: <http://www.environment.nsw.gov.au/prpoeoapp/default.aspx>

Required Month: Jan-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	See Note 1
Total Nitrogen	(mg/L)	-	15	-	
Total Phosphorus	(mg/L)	-	1	-	
Total Suspended Solids	(mg/L)	20	-	30	

**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	See Note 1
Total Nitrogen	(mg/L)	-	15	-	
Total Phosphorus	(mg/L)	-	1	-	
Total Suspended Solids	(mg/L)	20	-	30	

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
14-Jan-20	5	0.056	<10	4.57	2.16	11	23-Jan-20
28-Jan-20	5	0.0782	<10	3.96	0.301	11	06-Feb-20
Minimum Value	5	0.056	<3	3.96	0.301	11	
Maximum Value	5	0.0782	<3	4.57	2.16	11	

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
14-Jan-20	5	5	NO	<10	10	NO	11.00	11	NO
28-Jan-20	5	5	NO	<10	10	NO	11.00	11	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
14-Jan-20	1.17	0.118	23-Jan-20
28-Jan-20	2.0	0.282	06-Feb-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
14-Jan-20	0.22	0.014	23-Jan-20
28-Jan-20	0.3	0.013	06-Feb-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
14-Jan-20	1.15	0.102	23-Jan-20
28-Jan-20	2.0	0.294	06-Feb-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
14-Jan-20	0.21	0.015	23-Jan-20
28-Jan-20	0.3	0.014	06-Feb-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-Jan-20	0	No Result		
2-Jan-20	0	No Result		
3-Jan-20	0	No Result		
4-Jan-20	0	No Result		
5-Jan-20	0	No Result		
6-Jan-20	0	653	NO	
7-Jan-20	2.6	478	NO	
8-Jan-20	0	453	NO	
9-Jan-20	3.6	415	NO	
10-Jan-20	0.6	465	NO	
11-Jan-20	0.4	406	NO	
12-Jan-20	0	386	NO	
13-Jan-20	0	390	NO	
14-Jan-20	0	434	NO	
15-Jan-20	6	423	NO	
16-Jan-20	2.8	466	NO	
17-Jan-20	17.8	454	NO	
18-Jan-20	1.2	519	NO	
19-Jan-20	2.6	461	NO	
20-Jan-20	5.2	456	NO	
21-Jan-20	0	503	NO	
22-Jan-20	0	499	NO	
23-Jan-20	1.6	465	NO	
24-Jan-20	0	422	NO	
25-Jan-20	0	468	NO	
26-Jan-20	0	452	NO	
27-Jan-20	0	453	NO	
28-Jan-20	0	449	NO	
29-Jan-20	0	462	NO	
30-Jan-20	0	478	NO	
31-Jan-20	0	470	NO	
Monthly Total	44	11980		
Monthly Minimum	0	386		
Monthly Maximum	18	653		

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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