

Moruya Sewage Treatment Plant - Monthly Result Summary - July 2019



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

Anniversary Date: 01-Apr-19
 Published Date: 12-Aug-19

Required Month: Jul-19

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	See Note 1
Oil and Grease	(mg/L)	-	-	10	
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
16-Jul-19	2	0.003	<3	7.11	0.178	5	27-Jul-19
Minimum Value	2	0.003	<3	7.11	0.178	5	
Maximum Value	2	0.003	<3	7.11	0.178	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
16-Jul-19	2	5	NO	<3	3	NO	5.00	8	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 (mg/L)	Total Phosphorus (mg/L)	
Unit of Measure			
Sample Date			Obtained Date
16-Jul-19	1.36	0.034	27-Jul-19

Licence Point / Type of Point: Licence Point 9 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	
Unit of Measure			
Sample Date			Obtained Date
16-Jul-19	0.21	0.009	27-Jul-19

Licence Point / Type of Point: Licence Point 8 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	
Unit of Measure			
Sample Date			Obtained Date
16-Jul-19	0.85	0.024	27-Jul-19

Licence Point / Type of Point: Licence Point 10 - Ambient Water Monitoring			
Sample Frequency	Monthly	Monthly	
Sampling Method	Grab	Grab	
Parameters	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	
Unit of Measure			
Sample Date			Obtained Date
16-Jul-19	0.23	0.015	27-Jul-19

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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-Jul-19	0	532	NO	
2-Jul-19	0	445	NO	
3-Jul-19	0.8	433	NO	
4-Jul-19	0.4	432	NO	
5-Jul-19	3.4	450	NO	
6-Jul-19	0.8	444	NO	
7-Jul-19	0	445	NO	
8-Jul-19	0	443	NO	
9-Jul-19	0	451	NO	
10-Jul-19	0	435	NO	
11-Jul-19	0	437	NO	
12-Jul-19	0	480	NO	
13-Jul-19	0	473	NO	
14-Jul-19	0	431	NO	
15-Jul-19	0	440	NO	
16-Jul-19	0	438	NO	
17-Jul-19	0	443	NO	
18-Jul-19	0	426	NO	
19-Jul-19	0	414	NO	
20-Jul-19	0	412	NO	
21-Jul-19	0	404	NO	
22-Jul-19	0	426	NO	
23-Jul-19	0	419	NO	
24-Jul-19	0	432	NO	
25-Jul-19	0	439	NO	
26-Jul-19	0	408	NO	
27-Jul-19	0	421	NO	
28-Jul-19	0	416	NO	
29-Jul-19	0	433	NO	
30-Jul-19	0	444	NO	
31-Jul-19	0	443	NO	
Monthly Total	5	13589		
Monthly Minimum	0	404		
Monthly Maximum	3	532		

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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