

Moruya Sewage Treatment Plant - Monthly Result Summary - September 2019



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: 18-Oct-19

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: Sep-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
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
10-Sep-19	3	0.0072	<3	6.89	0.347	11	18-Sep-19
Minimum Value	3	0.0072	<3	6.89	0.347	11	
Maximum Value	3	0.0072	<3	6.89	0.347	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
10-Sep-19	3	5	NO	<3	3	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
10-Sep-19	2.71	0.036	18-Sep-19

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
10-Sep-19	0.16	0.013	18-Sep-19

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
10-Sep-19	3.28	0.038	18-Sep-19

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
10-Sep-19	0.16	0.017	18-Sep-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-Sep-19	0	211	NO
2-Sep-19	0	232	NO
3-Sep-19	0	No Result	
4-Sep-19	0	No Result	
5-Sep-19	0	229	NO
6-Sep-19	1	464	NO
7-Sep-19	0	436	NO
8-Sep-19	0	426	NO
9-Sep-19	0.2	469	NO
10-Sep-19	0	447	NO
11-Sep-19	0	440	NO
12-Sep-19	0	446	NO
13-Sep-19	0	No Result	
14-Sep-19	0	No Result	
15-Sep-19	0	413	NO
16-Sep-19	25.6	522	NO
17-Sep-19	7.4	647	NO
18-Sep-19	0	504	NO
19-Sep-19	0.6	537	NO
20-Sep-19	0	506	NO
21-Sep-19	0.4	453	NO
22-Sep-19	0	454	NO
23-Sep-19	1.4	454	NO
24-Sep-19	0	477	NO
25-Sep-19	0	465	NO
26-Sep-19	0	480	NO
27-Sep-19	0	457	NO
28-Sep-19	0	454	NO
29-Sep-19	0	422	NO
30-Sep-19	0	456	NO
Monthly Total	37	11501	
Monthly Minimum	0	211	
Monthly Maximum	26	647	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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