

Moruya Sewage Treatment Plant - Monthly Result Summary - October 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: 25-Nov-19

Required Month: **Oct-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
08-Oct-19	4	0.0031	<3	7.31	0.214	5	18-Oct-19
Minimum Value	4	0.0031	<3	7.31	0.214	5	
Maximum Value	4	0.0031	<3	7.31	0.214	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
08-Oct-19	4	5	NO	<3	3	NO	5.00	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
08-Oct-19	2.30	0.036	18-Oct-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
08-Oct-19	0.21	0.015	18-Oct-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
08-Oct-19	2.32	0.024	18-Oct-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
08-Oct-19	0.28	0.018	18-Oct-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-Oct-19	0	466	NO
2-Oct-19	0	456	NO
3-Oct-19	0	555	NO
4-Oct-19	2.2	468	NO
5-Oct-19	8.4	547	NO
6-Oct-19	0	547	NO
7-Oct-19	3.8	503	NO
8-Oct-19	10.4	509	NO
9-Oct-19	0	585	NO
10-Oct-19	0	574	NO
11-Oct-19	14.4	522	NO
12-Oct-19	0	663	NO
13-Oct-19	0	542	NO
14-Oct-19	0	491	NO
15-Oct-19	0	483	NO
16-Oct-19	2.4	489	NO
17-Oct-19	0.2	478	NO
18-Oct-19	0	516	NO
19-Oct-19	0	455	NO
20-Oct-19	0	451	NO
21-Oct-19	0	393	NO
22-Oct-19	0	538	NO
23-Oct-19	0	481	NO
24-Oct-19	0	474	NO
25-Oct-19	0.2	459	NO
26-Oct-19	0	448	NO
27-Oct-19	0	412	NO
28-Oct-19	0	404	NO
29-Oct-19	0	408	NO
30-Oct-19	0	473	NO
31-Oct-19	0	438	NO
Monthly Total	42	15228	
Monthly Minimum	0	393	
Monthly Maximum	14	663	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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