

Moruya Sewage Treatment Plant - Monthly Result Summary - October 2018



Licensee: Eurobodalla Shire Council  
 EPL No.: 1614  
 Premises: Moruya Sewage Treatment Plant  
 Address: Queen Street, Moruya, NSW 2537  
 Licence Period: 01-Apr-18 to 31-Mar-19  
 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-18  
 Published Date: 16-Nov-18

Required Month: **Oct-18**

**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
09-Oct-18	<2	0.0025	<3	5.79	0.402	5	16-Oct-18
Minimum Value	<2	0.0025	<3	5.79	0.402	5	
Maximum Value	<2	0.0025	<3	5.79	0.402	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
09-Oct-18	<2	4	NO	<3	3	NO	5.00	12	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
09-Oct-18	2.25	0.139	16-Oct-18

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
09-Oct-18	0.20	0.08	16-Oct-18

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
09-Oct-18	3.89	0.249	16-Oct-18

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
09-Oct-18	0.19	0.009	16-Oct-18

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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-18	0	485	NO
2-Oct-18	0	494	NO
3-Oct-18	0.8	543	NO
4-Oct-18	6.6	499	NO
5-Oct-18	1.4	518	NO
6-Oct-18	0	460	NO
7-Oct-18	0	452	NO
8-Oct-18	0	468	NO
9-Oct-18	2.2	469	NO
10-Oct-18	31.4	837	NO
11-Oct-18	0	609	NO
12-Oct-18	0.6	552	NO
13-Oct-18	6.4	521	NO
14-Oct-18	1.4	524	NO
15-Oct-18	1	565	NO
16-Oct-18	0	509	NO
17-Oct-18	10	572	NO
18-Oct-18	0	565	NO
19-Oct-18	0	556	NO
20-Oct-18	16.4	560	NO
21-Oct-18	0.2	629	NO
22-Oct-18	0	598	NO
23-Oct-18	0	544	NO
24-Oct-18	0	557	NO
25-Oct-18	0	571	NO
26-Oct-18	0	651	NO
27-Oct-18	0	526	NO
28-Oct-18	0	466	NO
29-Oct-18	0	488	NO
30-Oct-18	0	601	NO
31-Oct-18	0	476	NO
Monthly Total	78	16865	
Monthly Minimum	0	452	
Monthly Maximum	31	837	

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**Exceedance Report**

Date	Exceedance Type	Parameter	Description / Action

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