

Moruya Sewage Treatment Plant - Monthly Result Summary - November 2018



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

Anniversary Date: 01-Apr-18
 Published Date: 20-Dec-18

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>

Required Month: Nov-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	Obtained Date
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							
06-Nov-18	<2	0.0063	<3	4.74	0.166	2	13-Nov-18
Minimum Value	<2	0.0063	<3	4.74	0.166	2	
Maximum Value	<2	0.0063	<3	4.74	0.166	2	

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
06-Nov-18	<2	4	NO	<3	3	NO	2.00	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
05-Nov-18	1.16	0.066	13-Dec-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
05-Nov-18	0.22	0.014	13-Dec-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
05-Nov-18	0.69	0.045	13-Dec-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
05-Nov-18	0.29	0.019	13-Dec-18

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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-Nov-18	0	542	NO
2-Nov-18	0	476	NO
3-Nov-18	0	461	NO
4-Nov-18	0	491	NO
5-Nov-18	0	484	NO
6-Nov-18	0	524	NO
7-Nov-18	28.6	750	NO
8-Nov-18	0	731	NO
9-Nov-18	0	600	NO
10-Nov-18	0	600	NO
11-Nov-18	0	544	NO
12-Nov-18	0	692	NO
13-Nov-18	0	585	NO
14-Nov-18	3	549	NO
15-Nov-18	4.4	518	NO
16-Nov-18	0	578	NO
17-Nov-18	1	598	NO
18-Nov-18	0	510	NO
19-Nov-18	0	506	NO
20-Nov-18	1.4	493	NO
21-Nov-18	0.6	563	NO
22-Nov-18	2.2	544	NO
23-Nov-18	0	462	NO
24-Nov-18	0	479	NO
25-Nov-18	0	455	NO
26-Nov-18	0	511	NO
27-Nov-18	2.2	502	NO
28-Nov-18	66.2	1712	NO
29-Nov-18	0	849	NO
30-Nov-18	0	627	NO
Monthly Total	110	17936	
Monthly Minimum	0	455	
Monthly Maximum	66	1712	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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