

Moruya Sewage Treatment Plant - Monthly Result Summary - December 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: 11-Jan-19

Required Month: Dec-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
04-Dec-18	<2	0.0086	<3	4.6	0.254	3	13-Dec-18
Minimum Value	<2	0.0086	<3	4.6	0.254	3	
Maximum Value	<2	0.0086	<3	4.6	0.254	3	

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
04-Dec-18	<2	4	NO	<3	3	NO	3.00	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
04-Dec-18	1.47	0.074	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
04-Dec-18	0.90	0.048	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
04-Dec-18	0.19	0.013	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
04-Dec-18	0.21	0.017	13-Dec-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-Dec-18	0	578	NO
2-Dec-18	0	550	NO
3-Dec-18	0	535	NO
4-Dec-18	0	534	NO
5-Dec-18	0.4	549	NO
6-Dec-18	0	531	NO
7-Dec-18	0	512	NO
8-Dec-18	0	498	NO
9-Dec-18	2.4	469	NO
10-Dec-18	5.2	570	NO
11-Dec-18	0	569	NO
12-Dec-18	0	544	NO
13-Dec-18	11.6	618	NO
14-Dec-18	25.8	743	NO
15-Dec-18	32.6	1368	NO
16-Dec-18	0	809	NO
17-Dec-18	0	714	NO
18-Dec-18	2	722	NO
19-Dec-18	1.4	730	NO
20-Dec-18	4.8	841	NO
21-Dec-18	16.8	1157	NO
22-Dec-18	7.2	810	NO
23-Dec-18	0	754	NO
24-Dec-18	0	609	NO
25-Dec-18	0	688	NO
26-Dec-18	10.2	791	NO
27-Dec-18	0	735	NO
28-Dec-18	0	728	NO
29-Dec-18	0	726	NO
30-Dec-18	0	780	NO
31-Dec-18	3	709	NO
Monthly Total	123	21471	
Monthly Minimum	0	469	
Monthly Maximum	33	1368	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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