

Moruya Sewage Treatment Plant - Monthly Result Summary - January 2018



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

Anniversary Date: 01-Apr-17
 Published Date: 16-Feb-18

License Period: 01-Apr-17 to 31-Mar-18

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: Jan-18

License Point / Type of Point: License 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

License Point/Type of Point License 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.

License Point / Type of Point: License Point 3 - Effluent Quality Monitoring

Sample Frequency Sampling Method	Monthly Composite	Special Frequency 1 Grab	Monthly Grab	Monthly Composite	Monthly Composite	Monthly Composite	Obtained Date
Parameters	Biological Oxygen Demand (mg/L)	Chlorophyll a (mg/L)	Oil and Grease (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Total Suspended Solids (mg/L)	
02-Jan-18	3	0.0194	<3	8.24	0.24	5	11-Jan-18
30-Jan-18	<2	0.0093	<3	2.29	0.114	<2	08-Feb-18
Minimum Value	<2	0.0093	<3	2.29	0.114	<2	
Maximum Value	3	0.0194	<3	8.24	0.24	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
02-Jan-18	3	3	NO	<3	3	NO	5.00	5	NO
30-Jan-18	<2	3	NO	<3	3	NO	<2	5	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
02-Jan-18	2.07	0.145	11-Jan-18
30-Jan-18	0.87	0.125	08-Feb-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
02-Jan-18	0.18	0.009	11-Jan-18
30-Jan-18	0.18	0.013	08-Feb-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
02-Jan-18	2.18	0.15	11-Jan-18
30-Jan-18	0.88	0.12	08-Feb-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
02-Jan-18	0.17	0.014	11-Jan-18
30-Jan-18	0.2	0.017	08-Feb-18

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License Point / Type of Point:	License 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-Jan-18	0	932	NO
2-Jan-18	14.4	1015	NO
3-Jan-18	0	1043	NO
4-Jan-18	0	917	NO
5-Jan-18	0	902	NO
6-Jan-18	0	795	NO
7-Jan-18	0	752	NO
8-Jan-18	14.8	884	NO
9-Jan-18	4.6	968	NO
10-Jan-18	0	906	NO
11-Jan-18	0	801	NO
12-Jan-18	1.6	835	NO
13-Jan-18	30.6	878	NO
14-Jan-18	5.6	1635	NO
15-Jan-18	0	985	NO
16-Jan-18	0	873	NO
17-Jan-18	0	835	NO
18-Jan-18	0	824	NO
19-Jan-18	0	774	NO
20-Jan-18	0	694	NO
21-Jan-18	0	680	NO
22-Jan-18	0	728	NO
23-Jan-18	0	759	NO
24-Jan-18	0	763	NO
25-Jan-18	3.6	782	NO
26-Jan-18	0	738	NO
27-Jan-18	0	725	NO
28-Jan-18	0	689	NO
29-Jan-18	0	733	NO
30-Jan-18	7.8	743	NO
31-Jan-18	0	730	NO
Monthly Total	83	26318	
Monthly Minimum	0	680	
Monthly Maximum	31	1635	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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