

Moruya Sewage Treatment Plant - Monthly Result Summary - January 2019



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: 11-Feb-19

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: Jan-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
03-Jan-19	2	0.0055	<3	4.25	0.157	3	10-Jan-19
29-Jan-19	<2	0.01	<3	3.79	0.126	7	06-Feb-19
Minimum Value	<2	0.0055	<3	3.79	0.126	3	
Maximum Value	2	0.01	<3	4.25	0.157	7	

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
03-Jan-19	2	4	NO	<3	3	NO	3.00	12	NO
29-Jan-19	<2	4	NO	<3	3	NO	7.00	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
03-Jan-19	3.41	0.343	10-Jan-19
29-Jan-19	1.3	0.163	06-Feb-19
00-Jan-00			

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
03-Jan-19	0.24	0.017	10-Jan-19
29-Jan-19	0.3	0.011	06-Feb-19
00-Jan-00			

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
03-Jan-19	0.53	0.042	10-Jan-19
29-Jan-19	2.3	0.079	06-Feb-19
00-Jan-00			

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
03-Jan-19	0.23	0.018	10-Jan-19
29-Jan-19	0.3	0.014	06-Feb-19
00-Jan-00			

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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-Jan-19	0	730	NO
2-Jan-19	2	703	NO
3-Jan-19	0	745	NO
4-Jan-19	0	714	NO
5-Jan-19	12	674	NO
6-Jan-19	0.6	687	NO
7-Jan-19	0	767	NO
8-Jan-19	14.8	752	NO
9-Jan-19	2	747	NO
10-Jan-19	1.4	763	NO
11-Jan-19	3.8	671	NO
12-Jan-19	0	619	NO
13-Jan-19	1.6	619	NO
14-Jan-19	1.4	638	NO
15-Jan-19	0	640	NO
16-Jan-19	0	667	NO
17-Jan-19	2.2	626	NO
18-Jan-19	2.2	682	NO
19-Jan-19	0.4	582	NO
20-Jan-19	0	572	NO
21-Jan-19	0	589	NO
22-Jan-19	0.2	570	NO
23-Jan-19	0	599	NO
24-Jan-19	0	590	NO
25-Jan-19	0	624	NO
26-Jan-19	2.4	579	NO
27-Jan-19	0.2	569	NO
28-Jan-19	5.4	559	NO
29-Jan-19	16.8	720	NO
30-Jan-19	0	675	NO
31-Jan-19	0	602	NO
Monthly Total	69	20274	
Monthly Minimum	0	559	
Monthly Maximum	17	767	

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Exceedance Report

Date	Exceedance Type	Parameter	Description / Action

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