

Batemans Bay Sewage Treatment Plant - Monthly Result Summary - November 2021



Anniversary Date: 1-Apr-21
Published Date: 10-Dec-21

Licensee: Eurobodalla Shire Council
EPL No.: 1397
Premises: Batemans Bay Sewage Treatment Plant
Address: George Bass Drive, Batemans Bay, NSW 2536
Licence Period: 1-Apr-21 to 31-Mar-22
EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206046&SYSUID=1&LICID=1397>
POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: Nov-21

Licence Point 1 - Discharge to Waters - Point 1 Concentration Limits			
Parameters	Unit of Measure	90 percentile concentration limit	100 percentile concentration limit
Biological Oxygen Demand	(mg/L)	10	15
Oil and Grease	(mg/L)	5	10
pH	(pH Units)	-	6.5-8.5
Total Suspended Solids	(mg/L)	15	20
Faecal Coliforms	(CFU/100mL)	200	600
Total Nitrogen	(mg/L)	10	15
Total Phosphorus	(mg/L)	5	8
Ammonia	(mg/L)	2	5

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1.

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 1 as described in Condition L3.

Licence Point 3 - Effluent Quality Monitoring (Monthly Results)									
Sample Frequency	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	
Sampling Method	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Grab Sample	Composite Sample	Composite Sample	Grab Sample	
Sampled Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	Obtained Date
2-Nov-21	<2	<5	7.60	11.00	7900	2.00	3.12	0.04	12-Nov-21
9-Nov-21					61000				15-Nov-21
16-Nov-21					140000				30-Nov-21
23-Nov-21					91000				27-Nov-21
30-Nov-21	4.00	<5	7.40	14.00	78000	6.92	1.55	0.06	10-Dec-21
100 Percentile Exceedance?	NO	NO	NO	NO	YES	NO	NO	NO	

Licence Point 3 - Effluent Quality Monitoring (Year To Date Results)								
Year to Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Faecal Coliforms (CFU/100mL)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Samples	9	9	9	9	11	9	9	9
Min	<2	<5	7.30	<2	58	1.34	1.28	0.01
Mean	1.33	2.50	7.52	3.67	34754	3.74	2.24	0.09
Median (50th %ile)	1.00	2.50	7.50	1.00	2000	2.81	2.27	0.04
90th %ile	1.60	2.50	7.64	11.60	91000	6.95	3.04	0.19
Max (100th %ile)	4.00	<5	7.80	14.00	140000	7.09	3.12	0.46

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Licence Point 2 - Influent Volume Monitoring

Sample Frequency	Daily (Continuous)	Maximum Daily flow (kL)	26565
Sampling Method	Ultrasonic Flow Meter		
Sample Date	Rainfall (mm)	Plant Inflow (kL)	Exceedance (YES/NO)
1-Nov-21	0	4280.0	NO
2-Nov-21	0	4160.0	NO
3-Nov-21	0	4120.0	NO
4-Nov-21	0	4660.0	NO
5-Nov-21	9	8150.0	NO
6-Nov-21	17.6	5880.0	NO
7-Nov-21	0	7340.0	NO
8-Nov-21	10.8	5850.0	NO
9-Nov-21	3	5320.0	NO
10-Nov-21	0	4920.0	NO
11-Nov-21	1	5220.0	NO
12-Nov-21	5.2	12890.0	NO
13-Nov-21	23.4	11560.0	NO
14-Nov-21	11	8500.0	NO
15-Nov-21	0.4	6090.0	NO
16-Nov-21	1.6	5320.0	NO
17-Nov-21	0	4910.0	NO
18-Nov-21	0.4	4880.0	NO
19-Nov-21	0	4730.0	NO
20-Nov-21	4	6680.0	NO
21-Nov-21	14.4	8550.0	NO
22-Nov-21	11.6	6850.0	NO
23-Nov-21	0	5510.0	NO
24-Nov-21	0	5180.0	NO
25-Nov-21	0.8	8710.0	NO
26-Nov-21	24	20620.0	NO
27-Nov-21	34.8	18320.0	NO
28-Nov-21	15.2	10080.0	NO
29-Nov-21	0.6	7540.0	NO
30-Nov-21	0	6260.0	NO
Monthly Total	188.8	223080.0	
Monthly Minimum	0	4120	
Monthly Mean	6.29	7436.00	
Monthly Maximum	34.8	20620	
Year to Date Total	656.5	1347142.3	
Year to Date Minimum	0	3640	
Year to Date Mean	2.64	5410.21	
Year to Date Maximum	74	25182.1	

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Licence Point 4 - Ambient Water Monitoring (Monthly Result)

Frequency	Monthly	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
2-Nov-21	1	12-Nov-21
30-Nov-21	<1	10-Dec-21

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	9
Min	<1
Mean	0.8
Median (50th %ile)	1
90th %ile	1
Max (100th %ile)	2

Licence Point 5 - Ambient Water Monitoring (Monthly Result)

Frequency	Monthly	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
2-Nov-21	2	12-Nov-21
30-Nov-21	<1	10-Dec-21

Licence Point 5 - Ambient Water Monitoring (Year To Date Results)

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	9
Min	<1
Mean	0.6
Median (50th %ile)	0
90th %ile	0
Max (100th %ile)	2

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
2-Nov-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (7'900 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
9-Nov-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (61'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
16-Nov-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (140'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
23-Nov-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (91'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
30-Nov-21	Concentration Limit	Faecal Coliforms	Faecal Coliform result (78'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3

Batemans Bay STP EPA Licence Point Map

