

Batemans Bay Sewage Treatment Plant - Monthly Result Summary - March 2022



Anniversary Date: 1-Apr-21
Published Date: 23-May-22

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: Mar-22

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 Sampling Method	Monthly Composite Sample	Monthly Grab Sample	Monthly Grab Sample	Monthly Composite Sample	Monthly Grab Sample	Monthly Composite Sample	Monthly Composite Sample	Monthly 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
1-Mar-22					67000				5-Mar-22
8-Mar-22					53000				12-Mar-22
22-Mar-22	<2	<5	7.50	<2	36000	1.43	2.31	0.05	31-Mar-22
29-Mar-22					50000				2-Apr-22
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	14	13	14	14	26	14	14	14
Min	<2	<5	7.30	<2	58	1.34	1.28	0.01
Mean	1.64	2.50	7.54	3.93	41619	3.14	2.55	0.12
Median (50th %ile)	1.00	2.50	7.55	1.00	44500	2.00	2.50	0.06
90th %ile	4.00	2.50	7.67	10.70	84500	6.72	3.69	0.36
Max (100th %ile)	4.00	<5	7.80	14.00	140000	7.09	4.04	0.65

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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-Mar-22	4.6	11920.0	NO
2-Mar-22	17.4	27650.0	YES
3-Mar-22	54.2	26680.0	YES
4-Mar-22	31.4	14840.0	NO
5-Mar-22	2.8	13210.0	NO
6-Mar-22	27.8	17310.0	NO
7-Mar-22	8	31880.0	YES
8-Mar-22	68.6	34370.0	YES
9-Mar-22	63.8	17830.0	NO
10-Mar-22	1.6	10330.0	NO
11-Mar-22	0	8200.0	NO
12-Mar-22	0	7390.0	NO
13-Mar-22	0.4	6880.0	NO
14-Mar-22	0	6440.0	NO
15-Mar-22	0.6	6270.0	NO
16-Mar-22	0.8	5790.0	NO
17-Mar-22	2.8	5680.0	NO
18-Mar-22	0.6	5560.0	NO
19-Mar-22	0	8960.0	NO
20-Mar-22	22.4	6740.0	NO
21-Mar-22	0.8	5830.0	NO
22-Mar-22	0	5830.0	NO
23-Mar-22	0	5440.0	NO
24-Mar-22	1.6	5390.0	NO
25-Mar-22	0	5720.0	NO
26-Mar-22	5.6	6380.0	NO
27-Mar-22	6.4	7120.0	NO
28-Mar-22	2.2	5990.0	NO
29-Mar-22	0	5840.0	NO
30-Mar-22	4	5940.0	NO
31-Mar-22	2	6920.0	NO
Monthly Total	330.4	340330.0	
Monthly Minimum	0	5390	
Monthly Mean	10.66	10978.39	
Monthly Maximum	68.6	34370	
Year to Date Total	1415.61	2246112.3	
Year to Date Minimum	0	3640	
Year to Date Mean	3.88	6153.73	
Year to Date Maximum	74	34370	

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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
1-Mar-22	130	5-Mar-22
8-Mar-22	260	12-Mar-22
22-Mar-22	2	31-Mar-22
29-Mar-22	19	2-Apr-22

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	23
Min	<1
Mean	38.7
Median (50th %ile)	2
90th %ile	2
Max (100th %ile)	260

Licence Point 5 - Ambient Water Monitoring (Monthly Result)

Frequency	Monthly	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
1-Mar-22	270	5-Mar-22
8-Mar-22	75	12-Mar-22
22-Mar-22	<1	31-Mar-22
29-Mar-22	3	2-Apr-22

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	23
Min	<1
Mean	22.9
Median (50th %ile)	1
90th %ile	1
Max (100th %ile)	270

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
1-Mar-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (67'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
2-Mar-22	Daily Flow Limit	Flow Volume	Daily influent flows (27'650 kL) exceeded the daily flow limit (26'565 kL) at monitoring point 2
3-Mar-22	Daily Flow Limit	Flow Volume	Daily influent flows (26'680 kL) exceeded the daily flow limit (26'565 kL) at monitoring point 2
7-Mar-22	Daily Flow Limit	Flow Volume	Daily influent flows (31'880 kL) exceeded the daily flow limit (26'565 kL) at monitoring point 2
8-Mar-22	Daily Flow Limit	Flow Volume	Daily influent flows (34'370 kL) exceeded the daily flow limit (26'565 kL) at monitoring point 2
8-Mar-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (53'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
22-Mar-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (36'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
29-Mar-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (50'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3

Batemans Bay STP EPA Licence Point Map

