

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



Anniversary Date: 1-Apr-21
Published Date: 18-Feb-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: Jan-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
4-Jan-22					56000				8-Jan-22
11-Jan-22					57000				21-Jan-22
18-Jan-22					120000				22-Jan-22
27-Jan-22	4.00	<5	7.60	9.00	43000	1.60	3.70	0.10	7-Feb-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	11	11	11	11	18	11	11	11
Min	<2	<5	7.30	<2	58	1.34	1.28	0.01
Mean	1.82	2.50	7.53	4.73	43683	3.59	2.33	0.14
Median (50th %ile)	1.00	2.50	7.50	1.00	45500	2.81	2.27	0.06
90th %ile	4.00	2.50	7.60	11.00	99700	6.92	3.12	0.46
Max (100th %ile)	4.00	<5	7.80	14.00	140000	7.09	3.70	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-Jan-22	0	6250.0	NO
2-Jan-22	0	6080.0	NO
3-Jan-22	0	5980.0	NO
4-Jan-22	0	5850.0	NO
5-Jan-22	0	6340.0	NO
6-Jan-22	15.4	10280.0	NO
7-Jan-22	14.8	12750.0	NO
8-Jan-22	35.2	12050.0	NO
9-Jan-22	0	7620.0	NO
10-Jan-22	0	6720.0	NO
11-Jan-22	0.2	6560.0	NO
12-Jan-22	8.2	9170.0	NO
13-Jan-22	11.2	7530.0	NO
14-Jan-22	5.8	6450.0	NO
15-Jan-22	0	7000.0	NO
16-Jan-22	5.6	5910.0	NO
17-Jan-22	0	5860.0	NO
18-Jan-22	1	5300.0	NO
19-Jan-22	0.4	5240.0	NO
20-Jan-22	1.2	5130.0	NO
21-Jan-22	0.2	5150.0	NO
22-Jan-22	0.6	5350.0	NO
23-Jan-22	0	5130.0	NO
24-Jan-22	0.2	5180.0	NO
25-Jan-22	0	5040.0	NO
26-Jan-22	0	4860.0	NO
27-Jan-22	0	4880.0	NO
28-Jan-22	0	4830.0	NO
29-Jan-22	0	5820.0	NO
30-Jan-22	15.8	5170.0	NO
31-Jan-22	0.6	4810.0	NO
Monthly Total	116.4	200290.0	
Monthly Minimum	0	4810	
Monthly Mean	3.75	6460.97	
Monthly Maximum	35.2	12750	
Year to Date Total	977.5	1800332.3	
Year to Date Minimum	0	3640	
Year to Date Mean	3.06	5643.67	
Year to Date Maximum	74	25270	

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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
4-Jan-22	75	8-Jan-22
11-Jan-22	17	21-Jan-22
18-Jan-22	160	22-Jan-22
27-Jan-22	5	7-Feb-22

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	15
Min	<1
Mean	17.9
Median (50th %ile)	1
90th %ile	1
Max (100th %ile)	160

Licence Point 5 - Ambient Water Monitoring (Monthly Result)

Frequency	Monthly	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
4-Jan-22	60	8-Jan-22
11-Jan-22	1	21-Jan-22
18-Jan-22	53	22-Jan-22
27-Jan-22	<1	7-Feb-22

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	15
Min	<1
Mean	11.5
Median (50th %ile)	1
90th %ile	1
Max (100th %ile)	60

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Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
4-Jan-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (56'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
11-Jan-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (57'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
18-Jan-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (120'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
27-Jan-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (43'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3

Batemans Bay STP EPA Licence Point Map

