

## Batemans Bay Sewage Treatment Plant - Monthly Result Summary - October 2022



Anniversary Date: 1-Apr-21  
Published Date: 23-Feb-23

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: Oct-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-Oct-22	2.00	<5	7.40	2.00	270	5.26	1.14	0.05	16-Oct-22
11-Oct-22					3				19-Oct-22
18-Oct-22					500				26-Oct-22
25-Oct-22					680				29-Oct-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	9	9	9	9	25	9	9	9
Min	<2	<5	7.30	<2	3	1.39	1.14	0.02
Mean	1.89	2.50	7.52	3.67	17069	3.60	2.43	0.30
Median (50th %ile)	2.00	2.50	7.60	3.00	910	2.92	1.77	0.05
90th %ile	3.20	2.50	7.60	6.20	55200	5.99	3.66	0.80
Max (100th %ile)	4.00	<5	7.60	7.00	140000	7.37	7.20	1.67

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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-Oct-22	55	15870.3	NO
2-Oct-22	12	18443.0	NO
3-Oct-22	0	11612.6	NO
4-Oct-22	0	7994.1	NO
5-Oct-22	14.5	6467.8	NO
6-Oct-22	36	12940.5	NO
7-Oct-22	21.5	27697.3	YES
8-Oct-22	13	14210.2	NO
9-Oct-22	36	15789.0	NO
10-Oct-22	3.5	19962.9	NO
11-Oct-22	0	9655.0	NO
12-Oct-22	0	7304.7	NO
13-Oct-22	0	6456.5	NO
14-Oct-22	1.5	5922.8	NO
15-Oct-22	0	5873.1	NO
16-Oct-22	0	5623.0	NO
17-Oct-22	17	6020.0	NO
18-Oct-22	0	6799.7	NO
19-Oct-22	0	5693.0	NO
20-Oct-22	0	5332.9	NO
21-Oct-22	12.5	5594.4	NO
22-Oct-22	12.5	8450.1	NO
23-Oct-22	22	10795.6	NO
24-Oct-22	9	9484.0	NO
25-Oct-22	75.5	19777.9	NO
26-Oct-22	4	25379.4	NO
27-Oct-22	0	10032.6	NO
28-Oct-22	0	7546.1	NO
29-Oct-22	0	6549.6	NO
30-Oct-22	0	6202.0	NO
31-Oct-22	0	5820.2	NO
Monthly Total	345.5	331300.3	
Monthly Minimum	0	5332.9	
Monthly Mean	11.15	10687.11	
Monthly Maximum	75.5	27697.3	
Year to Date Total	905	1403338.3	
Year to Date Minimum	0	2316.7	
Year to Date Mean	4.23	6557.66	
Year to Date Maximum	75.5	27697.3	

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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-Oct-22	<1	16-Oct-22

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	20
Min	<1
Mean	15.8
Median (50th %ile)	1
90th %ile	1
Max (100th %ile)	240

### Licence Point 5 - Ambient Water Monitoring (Monthly Result)

Frequency	Monthly	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
4-Oct-22	<1	16-Oct-22

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	20
Min	<1
Mean	7.9
Median (50th %ile)	1
90th %ile	1
Max (100th %ile)	140

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### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
4-Oct-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (270 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3.
7-Oct-22	Maximum Daily Flow	Plant Inflow	Plant inflow (27697.3 kL) exceeded the maximum daily flow volume (26565 kL) at monitoring point 2. Due to significant rainfall.
18-Oct-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (500 CFU/100mL) exceeded 90 percentile concentration limit (200 CFU/100mL) at monitoring point 3.
25-Oct-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (680 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3.

### Batemans Bay STP EPA Licence Point Map

