

## Batemans Bay Sewage Treatment Plant - Monthly Result Summary - October 2023



Anniversary Date: 1-Apr-23  
Published Date: 10-Nov-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-23 to 31-Mar-24  
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-23

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
3-Oct-23	2.00	<5	7.40	<2	78000	4.99	2.42	0.44	14-Oct-23
31-Oct-23	4.00	<5	7.20	6.00	27000	10.70	2.09	6.00	8-Nov-23
100 Percentile Exceedance?	NO	NO	NO	NO	YES	NO	NO	YES	

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	8	8	8	8	8	8	8	8
Min	<2	<5	7.20	<2	110	1.53	0.38	0.11
Mean	3.38	2.50	7.48	5.00	18853	9.61	2.15	2.73
Median (50th %ile)	3.00	2.50	7.50	5.00	12500	6.87	2.26	2.23
90th %ile	5.50	2.50	7.63	7.50	42300	21.65	3.21	6.10
Max (100th %ile)	9.00	<5	7.70	11.00	78000	24.10	3.48	6.33

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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	0	6415.2	NO
2-Oct-22	0	5474.7	NO
3-Oct-22	0	5197.4	NO
4-Oct-22	0	4125.5	NO
5-Oct-22	11.5	3478.4	NO
6-Oct-22	0	3895.3	NO
7-Oct-22	0	4951.5	NO
8-Oct-22	0	3735.4	NO
9-Oct-22	0	5261.8	NO
10-Oct-22	4	2407.6	NO
11-Oct-22	0	1743.6	NO
12-Oct-22	0	4377.1	NO
13-Oct-22	10.5	4438.0	NO
14-Oct-22	0	4490.2	NO
15-Oct-22	0	4748.9	NO
16-Oct-22	0	4728.9	NO
17-Oct-22	5	4268.5	NO
18-Oct-22	0	4133.9	NO
19-Oct-22	0	4591.7	NO
20-Oct-22	0	4655.2	NO
21-Oct-22	0	4625.3	NO
22-Oct-22	0	4783.1	NO
23-Oct-22	0	4732.1	NO
24-Oct-22	0	5691.9	NO
25-Oct-22	0	6451.6	NO
26-Oct-22	1.5	5226.7	NO
27-Oct-22	0	3198.1	NO
28-Oct-22	2.5	3102.9	NO
29-Oct-22	0	3191.8	NO
30-Oct-22	0	3163.8	NO
31-Oct-22	0	5038.8	NO
Monthly Total	35	136324.9	
Monthly Minimum	0	1743.6	
Monthly Mean	1.13	4397.58	
Monthly Maximum	11.5	6451.6	
Year to Date Total	199.5	921058.5	
Year to Date Minimum	0	1743.6	
Year to Date Mean	0.93	4304.01	
Year to Date Maximum	25	8397.8	

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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
3-Oct-23	<1	14-Oct-23
31-Oct-23	<1	8-Nov-23

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	8
Min	<1
Mean	0.38
Median (50th %ile)	0.00
90th %ile	0.00
Max (100th %ile)	1.00

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

Frequency	Monthly	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
3-Oct-23	18	14-Oct-23
31-Oct-23	<1	8-Nov-23

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

Year to Date	Faecal Coliforms (CFU/100mL)
Samples	8
Min	<1
Mean	2.38
Median (50th %ile)	0.00
90th %ile	0.00
Max (100th %ile)	18.00

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### Monthly Exceedance Report

Date	Exceedance Type	Parameter	Description / Action
3-Oct-23	Concentration Limit	Faecal Coliforms	Faecal Coliform result (78'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
31-Oct-23	Concentration Limit	Faecal Coliforms	Faecal Coliform result (27'000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
31-Oct-23	Concentration Limit	Ammonia	Ammonia result (6.0 mg/L) exceeded 100 percentile concentration limit (5.0 mg/L) at monitoring point 3
31-Oct-23	Concentration Limit	Total Nitrogen	Total Nitrogen (10.7 mg/L) exceeded 90 percentile concentration limit (10.0 mg/L) at monitoring point 3

### Batemans Bay STP EPA Licence Point Map

