

Batemans Bay Sewage Treatment Plant - Monthly Result Summary - November 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: Nov-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	Obtained Date
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)	
1-Nov-22	<2	<5	7.60	<2	800	2.92	1.16	0.58	10-Nov-22
15-Nov-22					39				24-Nov-22
29-Nov-22	2.00	<5	7.60	3.00	10000	1.39	7.20	1.67	9-Dec-23
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-Nov-22	14	6501.6	NO
2-Nov-22	0	6280.3	NO
3-Nov-22	0	5427.5	NO
4-Nov-22	0	5134.2	NO
5-Nov-22	0	5048.7	NO
6-Nov-22	0	5106.6	NO
7-Nov-22	0	4960.6	NO
8-Nov-22	0	4907.3	NO
9-Nov-22	0	4652.9	NO
10-Nov-22	0	4653.5	NO
11-Nov-22	0	4605.9	NO
12-Nov-22	1.5	4662.1	NO
13-Nov-22	0	4785.8	NO
14-Nov-22	12	5055.1	NO
15-Nov-22	1	5028.2	NO
16-Nov-22	11.5	5037.2	NO
17-Nov-22	0	6273.3	NO
18-Nov-22	0	5140.3	NO
19-Nov-22	0	4817.5	NO
20-Nov-22	0	4902.5	NO
21-Nov-22	0	4849.4	NO
22-Nov-22	0	4633.5	NO
23-Nov-22	3	4416.5	NO
24-Nov-22	0	4353.0	NO
25-Nov-22	0	4384.4	NO
26-Nov-22	0	4856.3	NO
27-Nov-22	0	4804.8	NO
28-Nov-22	0	4548.5	NO
29-Nov-22	0	4692.3	NO
30-Nov-22	1	4796.5	NO
Monthly Total	44	149316.3	
Monthly Minimum	0	4353	
Monthly Mean	1.47	4977.21	
Monthly Maximum	14	6501.6	
Year to Date Total	949	1552654.6	
Year to Date Minimum	0	2316.7	
Year to Date Mean	3.89	6363.34	
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
1-Nov-22	240	10-Nov-22
29-Nov-22	<1	9-Dec-23

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
1-Nov-22	<1	10-Nov-22
29-Nov-22	1	9-Dec-23

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
1-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (800 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3.
29-Nov-22	Concentration Limit	Faecal Coliforms	Faecal Coliform result (10000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3.
29-Nov-22	Concentration Limit	Total Phosphorus	Total Phosphorus result (7.2 mg/L) exceeded the 90 percentile concentration limit (5 mg/L) at monitoring point 3.

Batemans Bay STP EPA Licence Point Map

