

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



Anniversary Date: 1-Apr-23  
Published Date: 11-Sep-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: Aug-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 | 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)      |               |
| 8-Aug-23                         | 2.00                            | <5                    | 7.50                | 4.00                          | 10000                        | 1.53                     | 1.64                     | 0.14                | 18-Aug-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            | 5                               | 5                     | 5             | 5                             | 5                            | 5                     | 5                       | 5              |
| Min                | <2                              | <5                    | 7.40          | 2.00                          | 110                          | 1.53                  | 1.55                    | 0.11           |
| Mean               | 3.40                            | 2.50                  | 7.54          | 5.40                          | 6164                         | 11.73                 | 2.47                    | 2.94           |
| Median (50th %ile) | 2.00                            | 2.50                  | 7.50          | 5.00                          | 990                          | 8.74                  | 2.58                    | 3.80           |
| 90th %ile          | 7.00                            | 2.50                  | 7.66          | 8.60                          | 15400                        | 22.70                 | 3.33                    | 5.53           |
| Max (100th %ile)   | 9.00                            | <5                    | 7.70          | 11.00                         | 19000                        | 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-Aug-22             | 0                     | 4756.5                  | NO                  |
| 2-Aug-22             | 0                     | 4850.4                  | NO                  |
| 3-Aug-22             | 0                     | 4782.4                  | NO                  |
| 4-Aug-22             | 0                     | 4594.3                  | NO                  |
| 5-Aug-22             | 2.5                   | 4683.7                  | NO                  |
| 6-Aug-22             | 0                     | 4680.1                  | NO                  |
| 7-Aug-22             | 0                     | 4615.5                  | NO                  |
| 8-Aug-22             | 0                     | 4634.8                  | NO                  |
| 9-Aug-22             | 0                     | 4700.6                  | NO                  |
| 10-Aug-22            | 0                     | 4529.1                  | NO                  |
| 11-Aug-22            | 0                     | 4637.9                  | NO                  |
| 12-Aug-22            | 0                     | 4808.0                  | NO                  |
| 13-Aug-22            | 0                     | 5024.7                  | NO                  |
| 14-Aug-22            | 7                     | 4789.5                  | NO                  |
| 15-Aug-22            | 0                     | 3175.1                  | NO                  |
| 16-Aug-22            | 0                     | 3478.0                  | NO                  |
| 17-Aug-22            | 0                     | 3351.3                  | NO                  |
| 18-Aug-22            | 0                     | 4378.6                  | NO                  |
| 19-Aug-22            | 0                     | 4526.7                  | NO                  |
| 20-Aug-22            | 0                     | 4326.7                  | NO                  |
| 21-Aug-22            | 0                     | 4289.6                  | NO                  |
| 22-Aug-22            | 0                     | 4385.6                  | NO                  |
| 23-Aug-22            | 1.5                   | 4458.0                  | NO                  |
| 24-Aug-22            | 0                     | 4409.7                  | NO                  |
| 25-Aug-22            | 0                     | 4409.1                  | NO                  |
| 26-Aug-22            | 0                     | 3552.5                  | NO                  |
| 27-Aug-22            | 13.5                  | 4484.4                  | NO                  |
| 28-Aug-22            | 1                     | 4422.7                  | NO                  |
| 29-Aug-22            | 1                     | 3330.0                  | NO                  |
| 30-Aug-22            | 0                     | 3782.7                  | NO                  |
| 31-Aug-22            | 0                     | 4586.9                  | NO                  |
| Monthly Total        | 26.5                  | 135435.1                |                     |
| Monthly Minimum      | 0                     | 3175.1                  |                     |
| Monthly Mean         | 0.85                  | 4368.87                 |                     |
| Monthly Maximum      | 13.5                  | 5024.7                  |                     |
| Year to Date Total   | 160                   | 657029.8                |                     |
| Year to Date Minimum | 0                     | 1905.9                  |                     |
| Year to Date Mean    | 1.05                  | 4294.31                 |                     |
| 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 |
| 8-Aug-23        | <1                           | 18-Aug-23     |

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

| Year to Date       | Faecal Coliforms (CFU/100mL) |
|--------------------|------------------------------|
| Samples            | 5                            |
| Min                | <1                           |
| Mean               | 0.40                         |
| 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 |
| 8-Aug-23        | <1                           | 18-Aug-23     |

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

| Year to Date       | Faecal Coliforms (CFU/100mL) |
|--------------------|------------------------------|
| Samples            | 5                            |
| Min                | <1                           |
| Mean               | 0.20                         |
| Median (50th %ile) | 0.00                         |
| 90th %ile          | 0.00                         |
| Max (100th %ile)   | 1.00                         |

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### Monthly Exceedance Report

| Date     | Exceedance Type     | Parameter        | Description / Action   |
|----------|---------------------|------------------|--|
| 8-Aug-23 | Concentration Limit | Faecal Coliforms | Faecal Coliform result (10000 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3 |

### Batemans Bay STP EPA Licence Point Map

