

## Batemans Bay Sewage Treatment Plant - Monthly Result Summary - July 2020



Anniversary Date: 1-Apr-20  
Published Date: 2-Sep-20

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-20 to 31-Mar-21  
EPL Link: <http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=28936&SYSUID=1&LICID=1397>  
POEO Public Register: <http://www.environment.nsw.gov.au/prpoeoapp/default.aspx>

Required Month: Jul-20

### Licence Point / Type of Point: Licence Point 1 - Discharge to Waters - Point 1 Concentration Limits

| Parameters               | Unit of Measure | 50 percentile concentration limit | 100 percentile concentration limit |
|--------------------------|-----------------|-----------------------------------|------------------------------------|
| Biological Oxygen Demand | (mg/L)          | 10                                | 20                                 |
| Oil and Grease           | (mg/L)          | -                                 | 10                                 |
| Total Suspended Solids   | (mg/L)          | 15                                | 30                                 |

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 / Type of Point: Licence Point 3 - Effluent Quality Monitoring

| Sample Frequency | Monthly                  | Special Frequency 1 | Monthly          | Monthly        | Monthly          | Monthly                |               |
|------------------|--------------------------|---------------------|------------------|----------------|------------------|------------------------|---------------|
| Sampling Method  | Composite Sample         | Grab Sample         | Composite Sample | Grab Sample    | Composite Sample | Composite Sample       |               |
| Parameters       | Biological Oxygen Demand | Chlorophyll a       | Total Nitrogen   | Oil and Grease | Total Phosphorus | Total Suspended Solids |               |
| Unit of Measure  | (mg/L)                   | (mg/L)              | (mg/L)           | (mg/L)         | (mg/L)           | (mg/L)                 |               |
| Sampled Date     | Biological Oxygen Demand | Chlorophyll a       | Total Nitrogen   | Oil and Grease | Total Phosphorus | Total Suspended Solids | Obtained Date |
| 14-Jul-20        | <2                       | 0.0020              | 14.90            | <5             | 2.68             | <2                     | 27-Jul-20     |
| Minimum Value    | <2                       | 0.0020              | 14.90            | <5             | 2.68             | <2                     |               |
| Maximum Value    | <2                       | 0.0020              | 14.90            | <5             | 2.68             | <2                     |               |

### 100 Percentile - Licence Condition

| Sample Date | Biological Oxygen Demand |                                      |            | Oil and Grease |                                      |            | Total Suspended Solids |                                      |            |
|-------------|--------------------------|--------------------------------------|------------|----------------|--------------------------------------|------------|------------------------|--------------------------------------|------------|
|             | Measurement              | Actual 100 Percentile to Sample Date | Exceedance | Measurement    | Actual 100 Percentile to Sample Date | Exceedance | Measurement            | Actual 100 Percentile to Sample Date | Exceedance |
| 14-Jul-20   | <2                       | 2.00                                 | NO         | <5             | 5.00                                 | NO         | <2                     | 2.00                                 | NO         |

**Special Frequency 1:** means collect and store sample monthly, at the same time as Biochemical Oxygen Demand or Total Suspended Solids sampling. If the Biochemical Oxygen Demand or Total Suspended Solids 100 percentile concentration limit is exceeded as per condition L3.3, then analyse the stored sample for chlorophyll a and report results to the EPA as soon as the results become available.

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| Licence Point / Type of Point: Licence Point 2 - Influent Volume Monitoring |                       |                         |                     |
|---|-----------------------|-------------------------|---------------------|
| Sample Frequency  | Daily (Continuous)    | Maximum Daily flow (kL) | 25000               |
| Sampling Method   | Ultrasonic Flow Meter |                         |                     |
| Parameter   | Rainfall (mm)         | Plant Inflow (kL)       | Exceedance (YES/NO) |
| Unit of Measure   |                       |                         |                     |
| Sample Date   |                       |                         |                     |
| 1-Jul-20  | 0                     | 4010.5                  | NO                  |
| 2-Jul-20  | 0                     | 3911.0                  | NO                  |
| 3-Jul-20  | 0                     | 4005.6                  | NO                  |
| 4-Jul-20  | 0                     | 4047.4                  | NO                  |
| 5-Jul-20  | 0                     | 4220.0                  | NO                  |
| 6-Jul-20  | 0                     | 4256.5                  | NO                  |
| 7-Jul-20  | 0                     | 4226.9                  | NO                  |
| 8-Jul-20  | 0                     | 4135.7                  | NO                  |
| 9-Jul-20  | 0                     | 4078.3                  | NO                  |
| 10-Jul-20   | 0                     | 4169.5                  | NO                  |
| 11-Jul-20   | 0                     | 4233.5                  | NO                  |
| 12-Jul-20   | 0                     | 4262.0                  | NO                  |
| 13-Jul-20   | 28                    | 4699.5                  | NO                  |
| 14-Jul-20   | 14                    | 5918.5                  | NO                  |
| 15-Jul-20   | 1.5                   | 5758.0                  | NO                  |
| 16-Jul-20   | 0                     | 4715.6                  | NO                  |
| 17-Jul-20   | 0                     | 4454.9                  | NO                  |
| 18-Jul-20   | 0                     | 4433.4                  | NO                  |
| 19-Jul-20   | 0                     | 4336.7                  | NO                  |
| 20-Jul-20   | 0                     | 4144.7                  | NO                  |
| 21-Jul-20   | 0                     | 3971.3                  | NO                  |
| 22-Jul-20   | 0                     | 3888.1                  | NO                  |
| 23-Jul-20   | 0                     | 3858.7                  | NO                  |
| 24-Jul-20   | 0                     | 3576.6                  | NO                  |
| 25-Jul-20   | 0                     | 3832.9                  | NO                  |
| 26-Jul-20   | 39                    | 3878.2                  | NO                  |
| 27-Jul-20   | 111                   | 19029.1                 | NO                  |
| 28-Jul-20   | 108                   | 34809.2                 | YES                 |
| 29-Jul-20   | 3                     | 25479.4                 | YES                 |
| 30-Jul-20   | 0                     | 11569.1                 | NO                  |
| 31-Jul-20   | 0                     | 8039.6                  | NO                  |
| <b>Monthly Total</b>  | 304.5                 | 209950.4                |                     |
| <b>Monthly Minimum</b>  | 0                     | 3576.6                  |                     |
| <b>Monthly Maximum</b>  | 111                   | 34809.2                 |                     |

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| Licence Point / Type of Point: Licence Point 4 - Ambient Water Monitoring |                  |               |
|---|------------------|---------------|
| Frequency   | Monthly          |               |
| Sampling Method   | Grab Sample      |               |
| Parameters  | Faecal Coliforms |               |
| Unit of Measure   | cfu/100 mL       |               |
| Sampled Date  |                  | Obtained Date |
| 14-Jul-20   | <1               | 27-Jul-20     |
| Minimum Value   | <1               |               |
| Maximum Value   | <1               |               |

| Licence Point / Type of Point: Licence Point 5 - Ambient Water Monitoring |                  |               |
|---|------------------|---------------|
| Sample Frequency  | Monthly          |               |
| Sampling Method   | Grab Sample      |               |
| Parameters  | Faecal Coliforms |               |
| Unit of Measure   | cfu/100 mL       |               |
| Sampled Date  |                  | Obtained Date |
| 14-Jul-20   | <1               | 27-Jul-20     |
| Minimum Value   | <1               |               |
| Maximum Value   | <1               |               |

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### Exceedance Report

| Date      | Exceedance Type    | Parameter    | Description / Action  |
|-----------|--------------------|--------------|---|
| 28-Jul-20 | Daily maximum flow | Plant inflow | Daily plant inflow (34809.2 kL) exceeded daily maximum flow (25000 kL) due to heavy rainfall event in catchment |
| 29-Jul-20 | Daily maximum flow | Plant inflow | Daily plant inflow (25479.4 kL) exceeded daily maximum flow (25000 kL) due to heavy rainfall event in catchment |

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