

**Bathurst Regional Council  
Waste Water Treatment Works  
EPA Licence Number 1647**

Date data published: 11/08/2023  
 Summary of results for: July  
 Number of measurements taken: 4  
 Monitoring frequency required: Weekly

**Point 1  
Discharge to Macquarie River**

|              | BOD       | Faecal Coliforms | Total Nitrogen | Oil and Grease | pH               | Total Phosphorus | Total Suspended Solids |
|--------------|-----------|------------------|----------------|----------------|------------------|------------------|------------------------|
|              | mg/L      | CFU/100mL        | mg/L           | mg/L           |                  | mg/L             | mg/L                   |
| <b>Limit</b> | <b>30</b> | <b>600</b>       | <b>20.0</b>    | <b>10</b>      | <b>6.5 - 8.5</b> | <b>2.00</b>      | <b>30</b>              |
| Minimum      | 3         | 9                | 5.1            | 2              | 7.32             | 0.41             | 5                      |
| Mean         | 4         | 187              | 6.4            | 2              | 7.37             | 0.50             | 5                      |
| Median       | 3         | 39               | 6.1            | 2              | 7.37             | 0.50             | 5                      |
| Maximum      | 5         | 660              | 8.2            | 2              | 7.41             | 0.58             | 5                      |
| Exceedance   | No        | Yes              | No             | No             | No               | No               | No                     |

**Point 3  
Environmental Monitoring Macquarie River 50m Downstream of Point 1**

|              | BOD      | Faecal Coliforms | Total Nitrogen | Oil and Grease | pH          | Total Phosphorus | Total Suspended Solids |
|--------------|----------|------------------|----------------|----------------|-------------|------------------|------------------------|
|              | mg/L     | CFU/100mL        | mg/L           | mg/L           |             | mg/L             | mg/L                   |
| <b>Limit</b> | <b>2</b> | <b>750</b>       | <b>0.6</b>     | <b>&lt;2</b>   | <b>7.96</b> | <b>&lt;0.05</b>  | <b>13</b>              |
| Minimum      | 2        | 94               | 0.6            | <2             | 7.96        | <0.05            | 13                     |
| Mean         | 2        | 266              | 0.6            | <2             | 7.96        | <0.05            | 13                     |
| Median       | 2        | 110              | 0.6            | <2             | 7.96        | <0.05            | 13                     |
| Maximum      | 2        | 750              | 0.6            | <2             | 7.96        | <0.05            | 13                     |

**Point 4  
Environmental Monitoring Macquarie River Upstream of Wastewater Treatment Works**

|              | BOD      | Faecal Coliforms | Total Nitrogen | Oil and Grease | pH          | Total Phosphorus | Total Suspended Solids |
|--------------|----------|------------------|----------------|----------------|-------------|------------------|------------------------|
|              | mg/L     | CFU/100mL        | mg/L           | mg/L           |             | mg/L             | mg/L                   |
| <b>Limit</b> | <b>2</b> | <b>150</b>       | <b>0.6</b>     | <b>2</b>       | <b>8.03</b> | <b>0.60</b>      | <b>14</b>              |
| Minimum      | 2        | 26               | 0.6            | 2              | 8.03        | 0.60             | 14                     |
| Mean         | 2        | 67               | 0.6            | 2              | 8.03        | 0.60             | 14                     |
| Median       | 2        | 46               | 0.6            | 2              | 8.03        | 0.60             | 14                     |
| Maximum      | 2        | 150              | 0.6            | 2              | 8.03        | 0.60             | 14                     |

**Point 1**

|         | Volume Discharged |
|---------|-------------------|
|         | kL                |
| Minimum | 6,599             |
| Mean    | 9,340             |
| Median  | 9,361             |
| Maximum | 12,939            |

**Summary of Units of Measure**

mg/L = milligrams per litre  
 CFU/100mL = colony forming units per 100 millilitres

