

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

Date data published: 8/11/2023
 Summary of results for: November
 Number of measurements taken: 5
 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 |
| Limit | 30 | 600 | 20.0 | 10 | 6.5 - 8.5 | 2.00 | 30 |
| Minimum | 2 | 10 | 3.7 | 2 | 7.36 | 0.35 | 5 |
| Mean | 3 | 47 | 4.8 | 2 | 7.48 | 0.58 | 9 |
| Median | 3 | 20 | 5.0 | 2 | 7.43 | 0.57 | 8 |
| Maximum | 3 | 100 | 5.2 | 3 | 7.71 | 0.72 | 14 |
| Exceedance | No | No | 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 |
| Minimum | 2 | 510 | 0.6 | 2 | 7.75 | 0.05 | 11 |
| Mean | 2 | 10,296 | 0.7 | 3 | 7.76 | 0.06 | 25 |
| Median | 2 | 1,600 | 0.7 | 3 | 7.76 | 0.06 | 25 |
| Maximum | 2 | 40,000 | 0.8 | 3 | 7.76 | 0.07 | 39 |

**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 |
| Minimum | 2 | 200 | 0.5 | 2 | 7.73 | 0.05 | 7 |
| Mean | 2 | 2,764 | 0.7 | 2 | 7.83 | 0.07 | 25 |
| Median | 2 | 320 | 0.7 | 2 | 7.83 | 0.07 | 25 |
| Maximum | 2 | 11,000 | 0.8 | 2 | 7.92 | 0.08 | 43 |

Point 1

| | Volume Discharged |
|---------|-------------------|
| | kL |
| Minimum | 3,510 |
| Mean | 9,054 |
| Median | 8,394 |
| Maximum | 17,898 |

Summary of Units of Measure

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

