

WWTP Effluent Monitoring
Annual Summary
1/11/2023 to 31/10/2024



***Notes regarding Licence Limits**

A single number denotes a maximum value that should not be exceeded.
 Two numbers separated by a slash " / " denote a 90% limit and a maximum limit.
 Two numbers separated by a dash " - " denote minimum and maximum limits.

90 percentiles explained

Within a licence for each pollutant listed by the EPA, it will have a limit value. This value may be a 100 percentile limit where samples must meet the limit value 100% of the time. Lower limits may also be assigned.
 Where there are limit values lower than a 100% limit a sample or samples test results can exceed the limit value. For example, if a 90 percentile limit is assigned to a pollutant, this means 90% of collected samples should meet the limit value. If 10 samples are required in a year only one sample of the ten samples for the year is allowed to exceed the 90 percentile limit value. If more than one sample exceeds this value this would be a non-compliance of the licence conditions.

Treatment Plant: Murwillumbah

EPA Licence Number: 582

License Year: 01 November to 31 October

Monitoring Point: MWWTP/Effluent EPA Point: Point 1

| Summary Period 1/11/2023 to 31/10/2024 | Pollutant | Units | Count | Min | Max | Mean | 90% Value | Limits* | Exceed ance |
|--|-----------------------------|---------------|-------|------|------|------|--------------|--------------|----------------|
| Published: 11 Nov | Ammonia | mg/L | 26 | 0.06 | 9.1 | 1.73 | 3.89 | 2 / 5 | Yes |
| | BOD5 | mg/L | 26 | <1.0 | 16.0 | 3.26 | 6.6 | 10 / 20 | No |
| | Oil & Grease | mg/L | 26 | <2 | <2 | <2 | 0.0 | 5 / 10 | No |
| | pH | pH units | 26 | 6.9 | 9.1 | 7.45 | 8.1 | 6.5-8.5 | Yes |
| | Suspended Solids | mg/L | 26 | <1.0 | 30.0 | 6.97 | 15.5 | 15 / 30 | Yes |
| | Thermotolerant Coliforms | cfu/100 ml | 26 | <1 | 1080 | 54 | 49.0 | 200 / 600 | Yes |
| | Total Nitrogen | mg/L | 26 | 1.74 | 14.7 | 4.89 | 7.445 | 10 / 20 | No |
| | Total Phosphorus | mg/L | 26 | 0.06 | 0.84 | 0.26 | 0.455 | 0.5 / 1 | No |

Monitoring Point: MWWTP/Reuse EPA Point: Point 6

| Summary Period 1/11/2023 to 31/10/2024 | Pollutant | Units | Count | Min | Max | Mean | 90% Value | Limits* | Exceed ance |
|--|-----------------------------|---------------|-------|-------|------|------|--------------|--------------|----------------|
| Published: 25 Nov | Ammonia | mg/L | 26 | <0.02 | 11.8 | 1.96 | 7.845 | 2 / 5 | Yes |
| | BOD5 | mg/L | 26 | <1.0 | 3.9 | 1.56 | 2.85 | 10 / 20 | No |
| | Oil & Grease | mg/L | 26 | <2 | 5 | 2 | 0.0 | 5 / 10 | No |
| | pH | pH units | 26 | 7.0 | 8.4 | 7.57 | 7.95 | 6.5-8.5 | No |
| | Suspended Solids | mg/L | 26 | <1 | 9 | 1 | 0.0 | 15 / 30 | No |
| | Thermotolerant Coliforms | cfu/100 ml | 26 | <1 | 13 | 2 | 0.0 | 200 / 600 | No |
| | Total Nitrogen | mg/L | 26 | 1.24 | 14.8 | 4.78 | 10.825 | 10 / 20 | Yes |
| | Total Phosphorus | mg/L | 26 | 0.04 | 0.72 | 0.17 | 0.35 | 0.5 / 1 | No |