



**Molong Sewage Treatment Plant EPL No. 1623 Monitoring Results (1/04/2024 to 31/03/2025)**

**Monitoring results-complaints**

| Month Description            | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Total Number of Complaints   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| Pollution complaint category | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| Air                          | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| Water                        | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| Noise                        | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| Waste                        | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| Other                        | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |

**Monitoring Point 1**  
 No. of samples required by Licence: 1/mo  
 No. of times collected and analysed: 1/Mo

**Monitoring Results-Polutants**

| Pollutant               | Date Unit | Apr                      | May                      | Jun                      | Jul                      | Aug                       | Sept                     | Oct                      | Nov                      | Dec                      | Jan                      | Feb                      | Mar | Lowest Sample | Mean Sample | Highest Sample | Limits  |
|-------------------------|-----------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----|---------------|-------------|----------------|---------|
|                         |           | WN2404879-002 22/04/2024 | WN2405472-002 06/05/2024 | WN2406784-002 03/06/2024 | EN2405998-002 01/07/2024 | EN24083475-002 05/08/2024 | EN2411518-002 23/09/2024 | EN2413009-002 15/10/2023 | EN2414172-002 04/11/2024 | EN2415855-002 02/12/2024 | EN2500185-002 06/01/2025 | EN2501924-002 03/02/2024 |     |               |             |                |         |
| BOD                     | mg/L      | 5                        | 4                        | 9                        | 22                       | 8                         | 3                        | 15                       | 7                        | 6                        | 8                        | 38                       |     | 3             | 11.36364    | 38             | 30      |
| Faecal Coliforms        | CFU/100ml | 0                        | 10                       | 2                        | 1                        | 60                        | 10                       | 260                      | 140                      | 360                      | 1300                     | 210                      |     | 0             | 213.9091    | 1300           | 600     |
| Nitrogen (total)        | mg/L      | 5.8                      | 7.2                      | 10.4                     | 7.4                      | 11                        | 9                        | 2.5                      | 5.2                      | 7.5                      | 3.5                      | 2.2                      |     | 2.2           | 6.5         | 11             | 15      |
| Oil & Grease            | mg/L      | 2                        | 3                        | 2                        | 2                        | 2                         | 4                        | 2                        | 2                        | 2                        | 2                        | 2                        |     | 2             | 2.272727    | 4              | 10      |
| pH                      | pH        | 7.88                     | 7.81                     | 7.78                     | 6.37                     | 7.71                      | 7.82                     | 6.32                     | 8.69                     | 8.39                     | 9.56                     | 9.09                     |     | 6.32          | 7.95        | 8.46           | 6.5-8.5 |
| Phosphorus (Total)      | mg/L      | 3.36                     | 3.73                     | 3.02                     | 3.64                     | 3.32                      | 4.12                     | 2.18                     | 3.73                     | 3.43                     | 1.19                     | 1.25                     |     | 1.19          | 3.00        | 4.12           | 10      |
| Total Kjeldahl Nitrogen | mg/L      | 3.8                      | 4.1                      | 4                        | 1.8                      | 5.7                       | 9                        | 2.5                      | 3                        | 4.8                      | 3.2                      | 2.1                      |     | 1.8           | 4.00        | 9              | 10      |
| TSS                     | mg/L      | 21                       | 9                        | 8                        | 6                        | 17                        | 11                       | 9                        | 17                       | 15                       | 40                       | 44                       |     | 6             | 17.91       | 44             | 50      |
| Exceedance Yes / No     |           | N                        | N                        | N                        | N                        | N                         | N                        | N                        | Y                        | N                        | Y                        | Y                        |     |               |             |                |         |
| Reason for Exceedance:  |           |                          |                          |                          |                          |                           |                          |                          | Due to algae growth.     |                          |                          |                          |     |               |             |                |         |

**Monitoring Point 1**  
 No. of samples required by Licence: 1/day  
 No. of times collected and analysed: 1/day

**Monitoring Results-Volume Discharged**

| Month | Unit of Measure | No of measurements made | Lowest results | Mean result | Highest Sample Value | Limits (KL/day) | Times daily limit was exceeded in the month |
|-------|-----------------|-------------------------|----------------|-------------|----------------------|-----------------|---|
| APR   | KL/Day          | 30                      | 0              | 609         | 2920                 | 900             | 5   |
| MAY   | KL/Day          | 30                      | 0              | 13          | 56                   | 900             | 0   |
| JUN   | KL/Day          | Offline                 |                |             |                      | 900             |   |
| JUL   | KL/Day          | Offline                 |                |             |                      | 900             |   |
| AUG   | KL/Day          | 31                      | 0              | 322         | 647                  | 900             | 0   |
| SEP   | KL/Day          | 28                      | 56             | 356         | 624                  | 900             | 0   |
| OCT   | KL/Day          | 31                      | 0              | 380         | 850                  | 900             | 0   |
| NOV   | KL/Day          | 20                      | 0              | 147         | 303                  | 900             | 0   |
| DEC   | KL/Day          | 31                      | 0              | 324         | 820                  | 900             | 0   |
| JAN   | KL/Day          | 31                      | 140            | 286         | 604                  | 900             | 0   |
| FEB   | KL/Day          | 28                      | 120            | 239         | 547                  | 900             | 0   |
| MAR   | KL/Day          |                         |                |             |                      | 900             |   |

The flow meter was out of service for part of the month.