

Concentration Limit Table

Picton Wastewater Treatment Plant

EPL 10555

Updated 21-10-2024

Sydney Water's treatment plants operate under environmental protection licences issued by the NSW Environmental Protection Authority (EPA). For each monitoring/discharge point the concentration of a pollutant must not exceed the concentration limits specified for that pollutant in the table.

Point 1

| pollutant | unit of measure | 50 percentile limit | 80 percentile limit | 90 percentile limit |
|---------------------------|-----------------|---------------------|---------------------|---------------------|
| biochemical oxygen demand | mg/L | 2 | - | 5 |
| faecal coliforms | cfu/100ml | - | 200 | - |
| nitrogen (ammonia) | mg/L | 0.5 | - | 1 |
| nitrogen (total) | mg/L | 4.5 | - | 7 |
| phosphorus (total) | mg/L | 0.1 | - | 0.3 |
| total suspended solids | mg/L | 5 | - | 10 |

Point 11

| pollutant | unit of measure | 50 percentile limit | 90 percentile limit |
|---------------------------|-----------------|---------------------|---------------------|
| biochemical oxygen demand | mg/L | 10 | 15 |
| faecal coliforms | cfu/100ml | 2000 | 10000 |
| nitrogen (ammonia) | mg/L | 2 | 5 |
| nitrogen (total) | mg/L | 10 | 15 |
| pH | pH units | 6.5 - 9.5 | - |
| phosphorus (total) | mg/L | 8 | 9 |
| total suspended solids | mg/L | 120 | 480 |

Point 13

| pollutant | unit of measure | 50 percentile limit | 80 percentile limit | 90 percentile limit |
|---------------------------|-----------------|---------------------|---------------------|---------------------|
| biochemical oxygen demand | mg/L | 7 | - | 10 |
| faecal coliforms | cfu/100ml | - | 200 | - |
| nitrogen (ammonia) | mg/L | 0.5 | - | 1 |
| nitrogen (total) | mg/L | 6 | - | 10 |
| pH | pH units | 6.5 - 9.5 | - | - |
| phosphorus (total) | mg/L | 0.2 | - | 0.4 |
| total suspended solids | mg/L | 7 | - | 15 |

A licence condition with a 100 Percentile Limit means that 100% of samples (or all samples) taken must not exceed the limit for that pollutant. This can be extrapolated for other percentiles, for example an 80 Percentile Limit means that 80% of samples taken must not exceed the limit for that pollutant within the annual licence period.