

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works

Report 16th June 2025

Water Sample collected 10th June 2025 Analysis complete 16th June 2025

Sample collected by Emily Leach

Samples received chilled 30th April 2025

RESULTS - GLEN INNES - 10th June 2025

mg L⁻¹ = part per million)

| Parameter | | | EPA Limit 90 th %ile | Units | Method |
|--|------|--|------------------------------------|---------------------|--|
| Ammonia NH ₃ -N | 0.6 | | 2.0 | mg L ⁻¹ | APHA 4500-NH ₃ C |
| Biochemical Oxygen Demand (5 days) | 2.6 | | 10 | mg L ⁻¹ | APHA 5210 B |
| Elect. conductivity (EC) | 644 | | | uS cm ⁻¹ | APHA 2510 B |
| Faecal Coliforms | <1 | | 200 | cfu/ 100 mL | Membrane Filter APHA 9222 D |
| NO ₂ and NO ₃ -N | 5.78 | | | mg L ⁻¹ | APHA 4110 B |
| Oil & Grease | <2 | | 2 | mg L ⁻¹ | USEPA 1664 |
| pH | 7.43 | | 6.8-8.5 | pH units | APHA 4500-H ⁺ B |
| Soluble Reactive P (SRP) | 0.09 | | | mg L ⁻¹ | APHA 4110 B |
| Total phosphorus | 0.11 | | 0.3 | mg L ⁻¹ | APHA 4500 P E |
| TKN - N | 1.7 | | | mg L ⁻¹ | APHA 4500-N _{org} C |
| TN | 7.5 | | 10 | mg L ⁻¹ | TKN + NO ₂ +NO ₃ |
| Total suspended solids TSS | 3 | | 15 | mg L ⁻¹ | APHA 2540 D |
| | | | | | |

0<0.x = measured but reading below detection level

Reference: APHA (2005) *Standard Meth2300ds for the Examination of Water and Wastewater*. 21st Edition 2005.

Comments. Please note the Lower detection limit under USEPA 1664 is 2 mg/L for Oil & Grease

| Glen Innes STP - elemental analysis | | | | | | | | | | |
|-------------------------------------|------|------|------|------|-----|----------|---------|------|------------|----------|
| JUNE 2025 | Na | K | Mg | Ca | SAR | Hardness | Sulphur | TDS | Alkalinity | Chloride |
| Glen Innes-10JUN25 | mg/L | mg/L | mg/L | mg/L | | mg/L | mg/L | mg/L | mg/L | mg/L |
| | 59.0 | 13.3 | 24.0 | 30.8 | 1.9 | 176 | 42.6 | 431 | 97 | 46 |

