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Quality Assurance and Quality Control by Approved Methods

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works Report 24th February 2025
 Water Sample collected 18th February 2025 Analysis complete 24th February 2025
 Sample collected by Emily Leach Samples received chilled 18th February 2025

RESULTS - GLEN INNES - 18th February 2025

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	0.58		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	9.3		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	660			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	14		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.43			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.25		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.108			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.150		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	2.3			mg L ⁻¹	APHA 4500-N _{org} C
TN	4.7		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	5		15	mg L ⁻¹	APHA 2540 D

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

Reference: APHA (2005) *Standard Methods 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										
FEBRUARY 2025	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes -18FEB24	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	73.6	14.6	23.5	30.2	2.4	172	54.3	442	84	61



Commercial and research laboratory for soil, water and plant analysis.
 Soil survey and analytical assessments, landscape analysis and plant nutrient relationships,
 Wastewater and effluent reuse specialists - on-site and decentralised