

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works

Report 20th January 2025

Water Sample collected 14th January 2025 Analysis complete 20th January 2025

Sample collected by Emily Leach Samples received chilled 14th January 2025

RESULTS - GLEN INNES - 14th January 2025

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	1.67		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	6.3		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	720			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	5		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	3.74			mg L ⁻¹	APHA 4110 B
Oil & Grease	2		2	mg L ⁻¹	USEPA 1664
pH	7.22		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.12			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.22		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	1.7			mg L ⁻¹	APHA 4500-N _{org} C
TN	5.4		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	5		15	mg L ⁻¹	APHA 2540 D

0<.x = measured but reading below detection level

Reference: APHA (2005) *Standard Meth230ods 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

Council advised that the UV lamp on discharge was not working.

Glen Innes STP - elemental analysis										
January 2025	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
Glen Innes-14JAN2	73.1	19.3	23.6	33.5	2.4	181	68.9	482	75	67

