

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works *Report 30th March 2025*
Water Sample collected 25th March 2025 *Analysis complete 30th March 2025*
Sample collected by Emily Leach *Samples received chilled 25th March 2025*

RESULTS - GLEN INNES - 25th March 2025

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	0.42		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	3.5		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	708			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	27		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	1.58			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.30		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.02			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.11		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	2.9			mg L ⁻¹	APHA 4500-N _{org} C
TN	4.5		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	8		15	mg L ⁻¹	APHA 2540 D

0<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

Glen Innes STP - elemental analysis										
Glen Innes-25MAR25	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-25MAR2	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	74.2	16.5	24.1	33.4	2.4	183	65.5	474	86	52

