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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 22nd June 2025*
Water Sample collected 17th June 2025 Analysis complete 22nd June 2025
Sample collected by Emily Leach Samples received chilled 30th April 2025

RESULTS - GLEN INNES - 17th June 2025

mg L^{-1} = part per million)

Parameter			**EPA Limit 90th %ile**	***Units***	***Method***
Ammonia NH_3-N	0.74		2.0	mg L^{-1}	APHA 4500-NH_3 C
Biochemical Oxygen Demand (5 days)	3.2		10	mg L^{-1}	APHA 5210 B
Elect. conductivity (EC)	723			uS cm^{-1}	APHA 2510 B
Faecal Coliforms	<1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO_2 and NO_3 -N	3.56			mg L^{-1}	APHA 4110 B
Oil & Grease	<2		2	mg L^{-1}	USEPA 1664
pH	7.40		6.8-8.5	pH units	APHA 4500-H^+ B
Soluble Reactive P (SRP)	0.050			mg L^{-1}	APHA 4110 B
Total phosphorus	0.11		0.3	mg L^{-1}	APHA 4500 P E
TKN - N	3.9			mg L^{-1}	APHA 4500-N_{org} C
TN	7.5		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 -17JUN25	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	72.0	13.9	24.2	34.3	2.3	185	52.9	484	103	54