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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 10th March 2025

Water Sample collected 4th March 2025 Analysis complete 10th March 2025

Sample collected by Emily Leach Samples received chilled 4th March 2025

RESULTS - GLEN INNES - 4th March 2025

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	2.4		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	4.8		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	782			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	180		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	3.67			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pН	7.55		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.011			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.32	elevated	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	18	elevated	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.

Glen Innes Weir - elemental analysis										
MARCH 2025	Na	K	Ма	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
04MAR25	89.0	18.4	26.9	35.5	2.7	199	79.1	524	84	61

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

