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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* 28<sup>th</sup> April 2025

*Water Sample collected* 22<sup>nd</sup> April 2025 Analysis complete 28<sup>th</sup> April 2025

*Sample collected by* Emily Leach

Samples received chilled 16<sup>th</sup> April 2025

## RESULTS - GLEN INNES - 22<sup>nd</sup> April 2025

mg L<sup>-1</sup> = part per million)

<i>Parameter</i>			<b>EPA Limit 90<sup>th</sup> %ile</b>	<i>Units</i>	<i>Method</i>
Ammonia NH <sub>3</sub> -N	0.81		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	3.1		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	594			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	8		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	5.42			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.22		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.01			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.05		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	1.4			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	6.8		10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	8		15	mg L <sup>-1</sup>	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

<b>Glen Innes STP - elemental analysis</b>										
<b>Glen Innes-22APR25</b>	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-22APR2	58.6	12.8	20.8	28.1	2.0	156	49.8	398	77	40



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