

## Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works

Report 13<sup>th</sup> January 2025

Water Sample collected 7<sup>th</sup> January 2025 Analysis complete 13<sup>th</sup> January 2025

Sample collected by Emily Leach Samples received chilled 7<sup>th</sup> January 2025

### RESULTS - GLEN INNES - 7<sup>th</sup> January 2025

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

Parameter			EPA Limit 90 <sup>th</sup> %ile	Units	Method
Ammonia NH <sub>3</sub> -N	0.97		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	6.1		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	773			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	5		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	5.18			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.25		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.03			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.24		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	0.1			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	5.3		10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	3		15	mg L <sup>-1</sup>	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 Weir - elemental analysis

January 2025	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes - 07JAN25	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	96.4	20.4	26.0	33.6	3.0	191	68.8	518	85	73

