

## Analysis of Water Sample

*Client* Glen Innes Severn Council,  
 Glen Innes Sewage Treatment Works *Report* 23<sup>rd</sup> March 2025  
*Water Sample collected* 18<sup>th</sup> March 2025 *Analysis complete* 23<sup>rd</sup> March 2025  
*Sample collected by* Emily Leach *Samples received chilled* 18<sup>th</sup> March 2025

### RESULTS - GLEN INNES - 18<sup>th</sup> March 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	0.49		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	3.4		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	688			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	<b>1000</b>	elevated	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	4.18			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.39		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	0.15		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	0.2			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	4.4		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<.x = measured but reading below detection level

**Reference:** APHA (2005) *Standard Methods 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										
MARCH 2025	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes -18MAR25	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	73.3	15.0	24.1	32.4	2.4	180	57.4	461	80	59

