

## Analysis of Water Sample

**Client** Glen Innes Severn Council,

Glen Innes Sewage Treatment Works

*Report 11<sup>th</sup> March 2024*

*Water Sample collected 5<sup>th</sup> March 2024 Analysis complete 11<sup>th</sup> March 2024*

*Sample collected by Emily Leach*

*Samples received chilled 5<sup>th</sup> March 2024*

## RESULTS - GLEN INNES - 5<sup>th</sup> March 2024

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

Parameter			EPA Limit 90 <sup>th</sup> %ile	Units	Method
Ammonia NH <sub>3</sub> -N	0.98		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	5.7		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	701			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	2		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	1.44			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.50		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.085			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.27		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	3.9			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	10		15	mg L <sup>-1</sup>	APHA 2540 D

0<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 Weir - elemental analysis										
MARCH 2024	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes -05MAR24	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	64.2	12.5	24.3	28.0	2.1	170	27.2	470	98	123

