

## Analysis of Water Sample

**Client** Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report* 16<sup>th</sup> August 2022

*Water Sample collected* 9<sup>th</sup> August 2022

*Analysis complete* 16<sup>th</sup> August 2022

*Sample collected by* Emily Leach

*Samples received chilled -* 9<sup>th</sup> August 2022

## RESULTS - Glen Innes 9<sup>th</sup> August 2022

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

Parameter			Licence Limit (90th%ile)	Units	Method
Ammonia NH <sub>3</sub> -N	0.26		2	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	7.2		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	674			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	<1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	1.80			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.03		6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.022			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.13		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	2.4			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	4.2		10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	15		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 STP - elemental analysis										
AUGUST 2022	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-09AUG22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	69.5	8.8	19.5	29.4	2.4	154	17.5	452	104	139

