

## Analysis of Water Sample

*Client* Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report* 22<sup>nd</sup> September 2021

*Water Sample collected* 14<sup>th</sup> September 2021 *Analysis complete* 22<sup>nd</sup> September 2021

*Sample collected by* Nicole Wilson *Samples received chilled* 24<sup>th</sup> August 2021

## RESULTS - Glen Innes - 14<sup>th</sup> September 2021

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

Parameter		Licence Limit (90th%ile)	Units	Method
Ammonia NH <sub>3</sub> -N	75.3`0.74	2	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	9.8	10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	629		uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	4	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	0.85		mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664
pH	7.44	6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.212		mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	<b>1.72</b>	0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	6.3		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	7.2	10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	<b>50</b>	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

Glen Innes Weir - elemental analysis										
SEPTEMBER 2021	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
SEPTEMBER 2021	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	75.3	13.3	25.3	31.8	2.4	184	22.0	421	127	91