

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report 1st February 2023*

Water Sample collected 24th January 2023 Analysis complete 1st February 2023

Sample collected by Pramod Lamsal **Samples received chilled** 24th January 2023

RESULTS - GLEN INNES - 24th January 2023

mg L⁻¹ = part per million)

Parameter				Units	Method
Ammonia NH ₃ -N	0.64			mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	2.6			mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	769			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	23			cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.51			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2			mg L ⁻¹	USEPA 1664
pH	7.9			pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.04			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.26			mg L ⁻¹	APHA 4500 P E
TKN - N	3.7			mg L ⁻¹	APHA 4500-N _{org} C
TN	6.2			mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	8			mg L ⁻¹	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										
JANUARY 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 24JAN23	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	78.0	20.0	28.0	34.9	2.4	202	20.2	515	155	144

