

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report* 14th November 2022

Water Sample collected 8th November 2022 Analysis complete 14th November 2022

Sample collected by Pramod Lamsal *Samples received chilled* 8th November 2022

RESULTS - Glen Innes 8th November 2022

mg L⁻¹ = part per million)

Parameter			Licence Limit (90th%ile)	Units	Method
Ammonia NH ₃ -N	0.93		2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	8.0		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	476			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	<1		200	cfu/100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	1.12			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.06		6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.20			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.39	Elevated	0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	3.5			mg L ⁻¹	APHA 4500-N _{org} C
TN	4.6		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	40	elevated	15	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										
NOVEMBER 2022	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
GlenInnes -08NOV22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	40.4	8.4	20.8	25.6	1.4	150	13.5	319	99	77



Commercial and research laboratory for soil, water and plant analysis.
 Soil survey and analytical assessments, landscape analysis and plant nutrient relationships,
 Wastewater and effluent reuse specialists - on-site and decentralised