Phone Office/Lab (02) 6775 1157

ABN: 72 212 385 096

email: <u>lanfaxlabs@bigpond.com.au</u>
Website: <u>http://www.lanfaxlabs.com.au</u>

Lab address: 493 Old Inverell Road
Postal: PO Box 4690 Armidale NSW 2350
Director: Dr Robert Patterson FIEAust, CPSS, CPAg
Soil Scientists and Environmental Engineers



Quality Assurance and Quality Control by Approved Methods

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

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		
pН	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 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 STP - elemental analysis										
JANUARY 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
24JAN23	78.0	20.0	28.0	34.9	2.4	202	20.2	515	155	144

