

Phone Office/Lab (02) 6775 1157  
 ABN: 72 212 385 096  
 email: [lanfaxlabs@bigpond.com.au](mailto:lanfaxlabs@bigpond.com.au)  
 Website: <http://www.lanfaxlabs.com.au>  
 Lab address: 493 Old Inverell Road  
 Postal: PO Box 4690 Armidale NSW 2350  
 Director: Dr Robert Patterson CPSS,  
 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 2<sup>nd</sup> December 2024  
 Water Sample collected 26<sup>th</sup> November 2024 Analysis complete 2<sup>nd</sup> December 2024  
 Sample collected by Emily Leach Samples received chilled 26<sup>th</sup> November 2024

## RESULTS - GLEN INNES - 26<sup>th</sup> November 2024

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

Parameter			EPA Limit 90 <sup>th</sup> %ile	Units	Method
Ammonia NH <sub>3</sub> -N	1.13		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	9.15		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	786			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	8		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	1.36			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.67		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.12			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.26		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	3.8			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	5.2		10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	8		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										
Glen Innes-	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
Innes-26NOV24	78.5	18.5	25.6	34.5	2.5	192	65.6	527	92	76



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