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Quality Assurance and Quality Control by Approved Methods

## **Analysis of Water Sample**

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works

Report 21st April 2025

Water Sample collected 15<sup>th</sup> April 2025 Analysis complete 21<sup>st</sup> April 2025

Sample collected by Emily Leach Samples received chilled 16th April 2025

## RESULTS - GLEN INNES - 15th April 2025

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

Parameter		EPA Limit 90 <sup>th</sup> %ile	Units	Method	
Ammonia NH <sub>3</sub> -N	0.59	2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C	
Biochemical Oxygen Demand (5 days)	2.5	10	mg L <sup>-1</sup>	APHA 5210 B	
Elect. conductivity (EC)	619		uS cm <sup>-1</sup>	APHA 2510 B	
Faecal Coliforms	30	200 cfu/ 100 mL		Membrane Filter APHA 9222 D	
NO <sub>2</sub> and NO <sub>3</sub> -N	3.19		mg L <sup>-1</sup>	APHA 4110 B	
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664	
pН	7.31	6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B	
Soluble Reactive P (SRP)	0.031		mg L <sup>-1</sup>	APHA 4110 B	
Total phosphorus	0.09	0.3	mg L <sup>-1</sup>	APHA 4500 P E	
TKN - N	3.5		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C	
TN	6.7	10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>	
Total suspended solids TSS	5	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 STP - elemental analysis												
APRIL 2025	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride		
Glen Innes -15APR2	mg/L	mg/L	mg/L	mg/L	2	mg/L	mg/L	mg/L	mg/L	mg/L		
	59.3	13.2	23.6	31.2	1.9	175	48.5	415	83	51		

