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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 14th October 2024

Water Sample collected 8th October 2024 Analysis complete 14th October 2024 Sample collected by Emily Leach Samples received chilled 8th October 2024

## **RESULTS - GLEN INNES - 8th October 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	1.07	2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	9.5	10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	786		uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	5	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	2.15		mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664
рН	7.36	6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.158		mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.17	0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	3.1		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	5.2	10	mg L <sup>-1</sup>	$TKN + NO_2 + NO_3$
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										
OCTOBER 2024	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-08OCT24	76.6	19.6	26.6	36.0	2.4	199	66.8	527	93	71

