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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 11th March 2024

Water Sample collected 5th March 2024 Analysis complete 11th March 2024

Sample collected by Emily Leach Samples received chilled 5th March 2024

## RESULTS - GLEN INNES - 5th March 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	0.98	2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	5.7	10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	701		uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	2	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	1.44		mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664
рН	7.50	6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.085		mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.27	0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	3.9		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	5.3	10	mg L <sup>-1</sup>	$TKN + NO_2 + NO_3$
Total suspended solids TSS	10	15	mg L <sup>-1</sup>	APHA 2540 D

0 < 0.x = measured but reading below detection level

Reference: APHA (2005) Standard Meth 230 ods 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 Inn	9	S (6)								
	10000	1094	2.05/11	70.50			. 19 20 3 20 1	1 5000000		
MARCH 2024	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
-05MAR24	64.2	12.5	24.3	28.0	2.1	170	27.2	470	98	123

