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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* 28<sup>th</sup> February 2022 *Water Sample collected* as shown Analysis complete 28<sup>th</sup> February 2022 *Sample collected by* Emily Leach Samples received chilled - 22ndFebruary 2022

mg L <sup>-1</sup> = part per million)											
Parameter	22 <sup>nd</sup>	Licence Limit (90th%ile)	Units	Method							
Ammonia NH <sub>3</sub> -N	0.27	2	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C							
Biochemical Oxygen Demand (5 days)	2.9	10	mg L <sup>-1</sup>	АРНА 5210 В							
Elect. conductivity (EC)	415		uS cm <sup>-1</sup>	APHA 2510 B							
Faecal Coliforms	4	200	cfu/ 100 mL	Membrane Filter APHA 9222 D							
NO <sub>2</sub> and NO <sub>3</sub> -N	1.66		mg L <sup>-1</sup>	APHA 4110 B							
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664							
рН	7.30	6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B							
Soluble Reactive P (SRP)	0.066		mg L <sup>-1</sup>	APHA 4110 B							
Total phosphorus	0.080	0.3	mg L <sup>-1</sup>	APHA 4500 P E							
TKN - N	1.4		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C							
TN	3.1	10	mg L <sup>-1</sup>	$TKN + NO_2 + NO_3$							
Total suspended solids TSS	8	15	mg L <sup>-1</sup>	APHA 2540 D							

## **RESULTS - Glen Innes 22<sup>nd</sup> February 2022**

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 Inn	ir - ele	ementa		25						
Glen Innes - 22FE	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes 22FEB22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	39.1	8.3	14.7	23.0	1.6	118	12.6	278	95	47



Commercial and research laboratory for soil, water and plant analysis. Soil survey and analytical assessments, landscape analysis and plant nutrient relationships, Wastewater and effluent reuse specialists - on-site and decentralised