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ma  $I^{-1}$  = part per million)

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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 Water Sample collected 15<sup>th</sup> March 2022 Sample collected by Emily Leach Samples received chilled - 15<sup>th</sup> March 2022

*Report* 21<sup>st</sup> March 2022 Analysis complete 21<sup>st</sup> March 2022

## **RESULTS - Glen Innes** 15<sup>th</sup> March 2022

Parameter		Licence Limit (90th%ile)	Units	Method   APHA 4500-NH <sub>3</sub> C   APHA 5210 B		
Ammonia NH <sub>3</sub> -N	0.94	2	mg L <sup>-1</sup>			
Biochemical Oxygen Demand (5 days)	4.1	10	mg L <sup>-1</sup>			
Elect. conductivity (EC)	489		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	0.85		mg L <sup>-1</sup>	APHA 4110 B		
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664		
рН	7.42	6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B		
Soluble Reactive P (SRP)	0.127		mg L <sup>-1</sup>	APHA 4110 B		
Total phosphorus	0.34	0.3	mg L <sup>-1</sup>	APHA 4500 P E		
TKN - N	3.7		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C		
TN	4.6	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 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					8					
March 2022	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
15MAR22	47.3	9.1	19.4	26.0	1.7	145	15.5	328	137	55



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