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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 February 2023 Water Sample collected* 7th February 2023 Analysis complete 14th February 2023 *Sample collected by* Pramod Lamsal Samples received chilled 7th February 2023

Parameter		Units	Method	
Ammonia NH ₃ -N	0.33	mg L ⁻¹	APHA 4500-NH ₃ C	
Biochemical Oxygen Demand (5 days)	10	mg L ⁻¹	APHA 5210 B	
Elect. conductivity (EC)	437	uS cm ⁻¹	APHA 2510 B	
Faecal Coliforms	5	cfu/ 100 mL	Membrane Filter APHA 9222 D	
NO ₂ and NO ₃ -N	1.83	mg L ⁻¹	APHA 4110 B	
Oil & Grease	<2	mg L ⁻¹	USEPA 1664	
рН	7.78	pH units	APHA $4500-H^+B$	
Soluble Reactive P (SRP)	0.089	mg L ⁻¹	APHA 4110 B	
Total phosphorus	0.28	mg L ⁻¹	APHA 4500 P E	
TKN - N	5.1	mg L ⁻¹	APHA 4500-N _{org} C	
TN	6.9	mg L ⁻¹	$TKN + NO_2 + NO_3$	
Total suspended solids TSS	10	mg L ⁻¹	APHA 2540 D	

RESULTS - GLEN INNES - 7th February 2023

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

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FEBRUARY 2023	Na	ĸ	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-	mg/L	mg/L	mg/L	mg/L	1	mg/L	mg/L	mg/L	mg/L	mg/L
07FEB23	65.0	16.3	26.2	33.7	2.0	192	23.7	462	148	107



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