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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 19th November 2023 Water Sample collected* 14th November 2023 Analysis complete 19th November 2023 *Sample collected by* Emily Leach Samples received chilled 14th November 2023

RESULTS - GLEN INNES - 14th November 2023

Parameter		EPA Limit 90 th %ile		Method	
Ammonia NH ₃ -N	1.76	2.0	mg L ⁻¹	APHA 4500-NH ₃ C	
Biochemical Oxygen Demand (5 days)	4.2	10	mg L ⁻¹	APHA 5210 B	
Elect. conductivity (EC)	755		uS cm ⁻¹	APHA 2510 B	
Faecal Coliforms	13	200	cfu/ 100 mL	Membrane Filter APHA 9222 D	
NO ₂ and NO ₃ -N	1.87		mg L ⁻¹	APHA 4110 B	
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664	
рН	7.49	6.8-8.5	pH units	APHA 4500-H ⁺ B	
Soluble Reactive P (SRP)	< 0.01		mg L ⁻¹	APHA 4110 B	
Total phosphorus	0.25	0.3	mg L ⁻¹	APHA 4500 P E	
TKN - N	5.0		mg L ⁻¹	APHA 4500-N _{org} C	
TN	6.9	 10	mg L ⁻¹	$TKN + NO_2 + NO_3$	
Total suspended solids TSS	5	 15	mg L ⁻¹	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 Weir - elemental analysis								S		
November 2023	Na	к	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-14NOV23	81.0	19.0	28.8	32.6	2.5	200	29.0	506	137	140



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