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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 28th March 2022 Sample collected by Emily Leach Samples received chilled - 28th March 2022

Report 4th April 2022 Analysis complete 4th April 2022

RESULTS - Glen Innes 28th March 2022

mg L⁻¹ = part per million)

Parameter		Licence Limit (90th%ile)	Units	Method		
Ammonia NH ₃ -N	0.84	2	mg L ⁻¹	APHA 4500-NH ₃ C		
Biochemical Oxygen Demand (5 days)	4.13	10	mg L ⁻¹	APHA 5210 B		
Elect. conductivity (EC)	317		uS cm ⁻¹	APHA 2510 B		
Faecal Coliforms	10	200	cfu/ 100 mL	Membrane Filter APHA 9222 D		
NO ₂ and NO ₃ -N	4.04		mg L ⁻¹	APHA 4110 B		
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664		
рН	7.18	6.5-8.5	pH units	APHA 4500-H ⁺ B		
Soluble Reactive P (SRP)	0.02		mg L ⁻¹	APHA 4110 B		
Total phosphorus	0.93	0.3	mg L ⁻¹	APHA 4500 P E		
TKN - N	4.3		mg L ⁻¹	APHA 4500-N _{org} C		
TN	8.3	10	mg L ⁻¹	$TKN + NO_2 + NO_3$		
Total suspended solids TSS	25	15	mg L ⁻¹	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	ir - ele	menta					1			
Glen Innes- 29MA	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 29MAR22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	24.6	3.5	14.0	19.5	1.0	106	7.9	212	86	23

