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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 29th July 2024

Water Sample collected 23rd h July 2024 Analysis complete 29th July 2024

Sample collected by Emily Leach

Samples received chilled 24th July 2024

RESULTS - GLEN INNES - 23rd July 2024

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	2.8	Above limit	2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	7.1		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	763			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.61			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
рН	7.31		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.01			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.09		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	6.0			mg L ⁻¹	APHA 4500-N _{org} C
TN	8.6		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 STP - elemental analysis										
GlenInnes-23JUL24	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	70.5	14.5	25.0	30.4	2.3	179	60.5	511	85	61

