

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report* 19th December 2021

Water Sample collected 14th December 2021 Analysis complete 19th December 2021

Sample collected by Nicole Wilson Samples received chilled 14th December 2021

RESULTS - Glen Innes -14th December 2021

mg L⁻¹ = part per million)

Parameter		Licence Limit (90th%ile)	Units	Method
Ammonia NH ₃ -N	8.5	2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	4.4	10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	432		uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	4	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.37		mg L ⁻¹	APHA 4110 B
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664
pH	7.32	6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.106		mg L ⁻¹	APHA 4110 B
Total phosphorus	0.180	0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	4.0		mg L ⁻¹	APHA 4500-N _{org} C
TN	6.4	10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	33	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 Innes Weir - elemental analysis										
December 2021	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 14DEC21	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	39.2	6.3	20.5	22.8	1.4	141	12.2	289	108	43