

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report* 16th November 2021

Water Sample collected 9th November 2021 Analysis complete 16th November 2021

Sample collected by Nicole Wilson Samples received chilled 9th November 2021

RESULTS - Glen Innes -9th November 2021

mg L⁻¹ = part per million)

Parameter		Licence Limit (90th%ile)	Units	Method
Ammonia NH ₃ -N	1.04	2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	6.8	10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	512		uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	8	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	0.87		mg L ⁻¹	APHA 4110 B
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664
pH	7.27	6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.077		mg L ⁻¹	APHA 4110 B
Total phosphorus	0.37	0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	4.0		mg L ⁻¹	APHA 4500-N _{org} C
TN	4.9	10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	43	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

NOVEMBER 2021	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 09NOV21	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	56.9	10.7	21.2	26.7	2.0	154	15.0	343	113	66