

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works *Report* 14th October 2024
Water Sample collected 8th October 2024 *Analysis complete* 14th October 2024
Sample collected by Emily Leach *Samples received chilled* 8th October 2024

RESULTS - GLEN INNES - 8th October 2024

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	1.07		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	9.5		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	786			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	5		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.15			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.36		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.158			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.17		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	3.1			mg L ⁻¹	APHA 4500-N _{org} C
TN	5.2		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 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 STP - elemental analysis										
OCTOBER 2024	Na	K	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-08OCT24	76.6	19.6	26.6	36.0	2.4	199	66.8	527	93	71

