

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works

Report 15th October 2023

Water Sample collected 10th October 2023 Analysis complete 15th October 2023

Sample collected by Emily Leach Samples received chilled 10th October 2023

RESULTS - GLEN INNES - 10th October 2023

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	1.97		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	6.0		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	815			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	2		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.55			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.32		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.13			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.3		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	4.0			mg L ⁻¹	APHA 4500-N _{org} C
TN	6.6		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	7.5		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 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride	
Glen Innes- 10OCT23	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	
	82.6	20.7	32.4	38.3	2.4	229	28.5	546	165	142	

