

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works *Report 16th April 2023*
Water Sample collected 11th April 2023 **Analysis complete** 16th April 2023
Sample collected by Emily Leach **Samples received chilled** 11th April 2023

RESULTS - GLEN INNES - 11th April 2023

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	0.74		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	2.8		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	483			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	5		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	3.92			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.48		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.04			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.29		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	3.2			mg L ⁻¹	APHA 4500-N _{org} C
TN	7.1		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	10		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										
APRIL 2023	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-11APR2	44.7	8.8	20.8	24.5	1.6	147	17.4	324	110	54



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