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Quality Assurance and Quality Control by Approved Methods

Analysis of Water Sample

Client Glen Innes Severn Council, Glen Innes Sewage Treatment Works Report 1st August 2022 Water Sample collected 26th July 2022 Analysis complete 1st August 2022 Sample collected by Emily Leach Samples received chilled - 26th July 2022

RESULTS - Glen Innes 26th July 2022

mg L⁻¹ = part per million)

Parameter		Licence Limit (90th%ile)	Units	Method
Ammonia NH ₃ -N	0.99	2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	3.9	10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	603		uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	<1	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	0.76		mg L ⁻¹	APHA 4110 B
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664
pН	7.40	6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.13		mg L ⁻¹	APHA 4110 B
Total phosphorus	0.15	0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	2.2		mg L ⁻¹	APHA 4500-N _{org} C
TN	3.0	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 Weir - elemental analysis							3 8			0
Glen Innes- 26JU	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
26JUL22	54.7	11.7	23.5	29.8	1.8	171	11.7	404	151	47

