Lanfax Laboratories

Quality Assurance and Quality Control by Approved Methods

Analysis of Water Sample

Client   Glen Innes Severn Council,
        Glen Innes Sewage Treatment Works   *Report* 4th October 2021
Water Sample collected   28th September 2021 Analysis complete 4th October 2021
Sample collected by Nicole Wilson   Samples received chilled 28th September 2021

RESULTS - Glen Innes - 28th September 2021

mg L^{-1} = part per million)

Parameter			Licence Limit (90th%ile)	Units	Method
Ammonia NH$_3$-N	0.85		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)	655			uS cm^{-1}	APHA 2510 B
Faecal Coliforms	4		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO$_2$ and NO$_3$ -N	1.17			mg L^{-1}	APHA 4110 B
Oil & Grease	<2		2	mg L^{-1}	USEPA 1664
pH	7.57		6.5-8.5	pH units	APHA 4500-H$^+$ B
Soluble Reactive P (SRP)	<0.02			mg L^{-1}	APHA 4110 B
Total phosphorus	0.19		0.3	mg L^{-1}	APHA 4500 P E
TKN - N	2.5			mg L^{-1}	APHA 4500-N$_{org}$ C
TN	3.7		10	mg L^{-1}	TKN + NO$_2$+NO$_3$
Total suspended solids TSS	13		15	mg L^{-1}	APHA 2540 D

0<0.x = measured but reading below detection level

Reference: APHA (2005) *Standard Meth230ods 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									
SEPTEMBER 202	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 28SEP21	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	77.2	15.6	26.2	32.7	2.4	190	22.9	439	128	97

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