Phone Office/Lab (02) 6775 1157
ABN: 72 212 385 096
email: lanfaxlabs@bigpond.com.au
Website: http://www.lanfaxlabs.com.au
Lab address: 493 Old Inverell Road
Postal: PO Box 4690 Armidale NSW 2350
Director: Dr Robert Patterson CPSS,
Soil Scientists and Environmental Engineers

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 27th November 2023*
Water Sample collected 21st November 2023 Analysis complete 27th November 2023
Sample collected by Emily Leach Samples received chilled 22nd November 2023

RESULTS - GLEN INNES - 21st November 2023

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

Parameter			EPA Limit 90th %ile	*Units*	*Method*
Ammonia NH_3-N	1.39		2.0	mg L^{-1}	APHA 4500-NH_3 C
Biochemical Oxygen Demand (5 days)	4.8		10	mg L^{-1}	APHA 5210 B
Elect. conductivity (EC)	802			uS cm^{-1}	APHA 2510 B
Faecal Coliforms	2		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO_2 and NO_3 -N	3.77			mg L^{-1}	APHA 4110 B
Oil & Grease	<2		2	mg L^{-1}	USEPA 1664
pH	7.44		6.8-8.5	pH units	APHA 4500-H^+ B
Soluble Reactive P (SRP)	0.14			mg L^{-1}	APHA 4110 B
Total phosphorus	0.33	Elevated	0.3	mg L^{-1}	APHA 4500 P E
TKN - N	3.3			mg L^{-1}	APHA 4500-N_{org} C
TN	7.1		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 STP - elemental analysis										
November 202	Na	K	Mg	Ca	SAR	Hardnes	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
21NOV23	77.1	17.7	27.8	31.4	2.4	193	30.7	537	135	129