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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 21st November 2022 Water Sample collected 15th November 2022 Analysis complete 21st November 2022 Sample collected by Pramod Lamsal Samples received chilled 15th November 2022

## **RESULTS - Glen Innes 15th November 2022**

mg L<sup>-1</sup> = part per million)

Parameter			Licence Limit (90th%ile)	Units	Method
Ammonia NH <sub>3</sub> -N	1.23		2	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	8.8		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	556			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	<1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	0.89			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
рН	7.2		6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	< 0.005			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	Unavail able	delayed re-test	0.3	mg L <sup>-1</sup>	АРНА 4500 Р Е
TKN - N	3.7			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	4.6		10	mg L <sup>-1</sup>	$TKN + NO_2 + NO_3$
Total suspended solids TSS	45	elevated	15	mg L <sup>-1</sup>	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 Inn	ir - ele	menta		2 3			77 W			
NOVEMBER 2022	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
15NOV22	53.3	10.3	22.5	29.1	1.8	165	18.0	373	120	79

