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 FIEAust, CPSS, CPAg Soil Scientists and Environmental Engineers



Quality Assurance and Quality Control by Approved Methods

Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report 28th November 2022 Water Sample collected 22nd* November 2022 Analysis complete 28th November 2022 *Sample collected by* Pramod Lamsal Samples received chilled 15th November 2022

mg L ⁻¹ = part per million)											
Parameter			Licence Limit (90th%ile)	Units	Method						
Ammonia NH ₃ -N	1.62		2	mg L ⁻¹	АРНА 4500-NH ₃ С						
Biochemical Oxygen Demand (5 days)	7.6		10	mg L ⁻¹	АРНА 5210 В						
Elect. conductivity (EC)	642			uS cm ⁻¹	APHA 2510 B						
Faecal Coliforms	<1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D						
NO ₂ and NO ₃ -N	0.68			mg L ⁻¹	APHA 4110 B						
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664						
рН	7.20		6.5-8.5	pH units	APHA 4500-H ⁺ B						
Soluble Reactive P (SRP)	< 0.005			mg L ⁻¹	APHA 4110 B						
Total phosphorus	0.63	Elevated	0.3	mg L ⁻¹	APHA 4500 P E						
TKN - N	4.8			mg L ⁻¹	APHA 4500-N _{org} C						
TN	5.5		10	mg L ⁻¹	$TKN + NO_2 + NO_3$						
Total suspended solids TSS	33	elevated	15	mg L ⁻¹	APHA 2540 D						

RESULTS - Glen Innes 22nd November 2022

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										8
NOVEMBER 2022	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes - 22NOV22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	64.2	12.7	24.8	32.8	2.1	184	20.0	430	146	108



Commercial and research laboratory for soil, water and plant analysis. Soil survey and analytical assessments, landscape analysis and plant nutrient relationships, Wastewater and effluent reuse specialists - on-site and decentralised