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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* 10th January 2022 *Water Sample collected* 4th January 2022 Analysis complete 10th December 2022 *Sample collected by* Nicole Wilson Samples received chilled 4th January 2022

ng L ⁻¹ = part per million)											
Parameter		Licence Limit (90th%ile)	Units	Method							
Ammonia NH ₃ -N	1.06	2	mg L ⁻¹	APHA 4500-NH ₃ C							
Biochemical Oxygen Demand (5 days)	4.7	10	mg L ⁻¹	APHA 5210 B							
Elect. conductivity (EC)	601		uS cm ⁻¹	APHA 2510 B							
Faecal Coliforms	4	200	cfu/ 100 mL	Membrane Filter APHA 9222 D							
NO ₂ and NO ₃ -N	1.18		mg L ⁻¹	APHA 4110 B							
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664							
рН	7.44	6.5-8.5	pH units	APHA $4500-H^+B$							
Soluble Reactive P (SRP)	0.20		mg L ⁻¹	APHA 4110 B							
Total phosphorus	0.60	0.3	mg L ⁻¹	APHA 4500 P E							
TKN - N	6.0		mg L ⁻¹	APHA 4500-N _{org} C							
TN	7.2	10	mg L ⁻¹	$TKN + NO_2 + NO_3$							
Total suspended solids TSS	25	15	mg L ⁻¹	APHA 2540 D							

RESULTS - Glen Innes 4th January 2022

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

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January 2022	Na	к	Mg	Са	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
4th January	mg/L	mg/L	mg/L	mg/L	2000	mg/L	mg/L	mg/L	mg/L	mg/L
2022	64.5	11.0	22.9	27.8	2.2	164	18.3	403	141	78



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