

Project Name:	Alexander House
Project Number:	33707
Date:	28/07/2023
Engineer:	Mohamed Wais

Table 1: The calculator for new dwellings					
Installation type	Unit of measure	Capacity/flow rate	Use Factor	Fixed use (litres/person/d ay)	Litres water used/ person/ Day
		1	2	3	4
WC (fixed flush)	Flush Volume (l)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (L)	6.00	1.46	0.00	8.76
	Part flush volume (L)	3.00	2.96	0.00	8.88
WC's (multiple fittings)	Average effective flushing volume (L)		4.42	0.00	0.00
Taps (excluding kitchen / utility room taps)	Flow rate (L/min)	5.00	1.58	1.58	9.48
Bath (where shower also present)	Capacity to overflow (L)	120.00	0.11	0.00	13.20
Shower (where bath also present)	Flow rate (L/min)	8.50	4.37	0.00	37.15
Bath only	Capacity to overflow (L)		0.50	0.00	0.00
Shower only	Flow rate (L/min)		5.60	0.00	0.00
Kitchen / utility room / sink taps	Flow rate (L/min)	6.00	0.44	10.36	13.00
Washing machine	Litres / kg dry load	9.38	2.10	0.00	19.70
Dishwasher	Litres / place setting	1.00	3.60	0.00	3.60
Waste disposal unit	Litres / use		3.08	0.00	
Water softener	Litres / person / day		1.00	0.00	0.00
Total calculated use (L/person/day)					113.76

Table 1: The calculator for new dwellings (continued)					
Installation type	Unit of measure	Capacity/flow rate	Use Factor	Fixed use (litres/person/d ay)	Litres water used/ person/ Day
		1	2	3	4
	6	Contribution from greywater (Table 4.6)			0.00
	7	Contribution from rainwater (Table 5.5)			0.00
	8	Normalisation factor			0.91
	9	Total water consumption (L/person/day)			103.52
	10	External water use			5.00
	11	Total water consumption			108.52