



Water Efficiency Calculator for New Dwellings (V1f - Aug 2010)					
Project Details					
Address/Reference		Plots 2-4 - Billet Avenue		Case Reference	Plots 2-4
Number of Bedrooms		4		Occupancy for Calculation Purposes	5
Appliance/Useage Details					
Taps (Excluding Kitchen Taps)					
Tap Fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type		
Basin Type 1	5.00	5	25.00		
			0.00		
			0.00		
			0.00		
			0.00		
			0.00		
Total No. of Fittings (No.)		5	25.00		
Total Flow (l/s)			5.00		
Maximum Flow (l/s)			5.00		
Average Flow (l/s)			3.50		
Weighted Average Flow (l/s)			5.00		
Flow for Calculation (l/s)			5.00		
Showers					
Shower fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type		
Walk in shower	10.50	2	21.00		
			0.00		
			0.00		
			0.00		
			0.00		
			0.00		
Total No. of Fittings (No.)		2	21.00		
Total Flow (l/s)			10.50		
Maximum Flow (l/s)			10.50		
Average Flow (l/s)			7.35		
Weighted Average Flow (l/s)			10.50		
Flow for Calculation (l/s)			10.50		
Baths					
Bath Type	Capacity to Overflow	Quantity (No.)	Total per Fitting type		
Main Bath	130.00	1	130.00		
			0.00		
			0.00		
			0.00		
Total No. of Fittings (No.)		1	130.00		
Total Capacity (l)			130.00		
Maximum Capacity (l)			130.00		
Average Capacity (l)			91.00		
Weighted Average Capacity (l)			130.00		
Capacity for Calculation (l)			130.00		
WCs					
WC Type	Full Flush Volume	Part Flush Volume	Quantity (No.)		
Main Toilet	6.00	3.00	4		
Total number of fittings			4		
Average effective flushing volume			4.00		
Dishwashers					
Dishwasher Type	L per Place Setting	Quantity (No.)	Total per Fitting type		
Generic	0.65	1	0.65		
			0.00		
Total No. of Fittings (No.)		1	0.65		
Total Consumption (l)			0.65		
Maximum Consumption (l)			0.65		
Average Consumption (l/s)			0.46		
Weighted Average Consumption (l)			0.65		
Consumption for Calculation (l/s)			0.65		
Kitchen Taps					
Tap Fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type		
Main Sink Hot	6.00	1	6.00		
Main Sink Cold	6.00	1	6.00		
			0.00		
Total No. of Fittings (No.)		2	12.00		
Total Flow (l/s)			6.00		
Maximum Flow (l/s)			6.00		
Average Flow (l/s)			4.20		
Weighted Average Flow (l/s)			6.00		
Flow for Calculation (l/s)			6.00		
Washing Machines					
Washing Machine Type	L per Kg Dry Load	Quantity (No.)	Total per Fitting type		
Generic	6.00	1	6.00		
			0.00		
Total No. of Fittings (No.)		1	6.00		
Total Consumption (l)			6.00		
Maximum Consumption (l)			6.00		
Average Consumption (l/s)			4.20		
Weighted Average Consumption (l)			6.00		
Consumption for Calculation (l/s)			6.00		
Other Fittings					
Waste Disposal Y/N			N		
Water softener					
Consumption beyond 4% lip/d					
Use of grey water and harvested rainwater					
Total Grey water from WHB taps (l)			0		
Total Available Grey Water Supply (l)			300.93		
Possible Demand (l)			151.40		
Grey/Rain Installed Capacity (l)			0.00		
Figure for Calculation lit/person/day			0.00		
Water Use Assessment					
Installation Type	Unit	Capacity/ Flow Rate	Use Factor	Fixed use (l/p/day)	Total Use (l/p/day)
WC Single Flush	Volume (l)	0.00	4.42	0.00	0.00
WC Dual Flush	Full Flush (l)	0.00	1.46	0.00	0.00
	Pt Flush (l)	0.00	2.96	0.00	0.00
WC's (Multiple)	Volume (l)	4.00	4.42	0.00	17.68
Taps Exc. Kitchen	Flow Rate	5.00	1.58	1.58	9.48
Bath (shower present)	(l/s)	130.00	0.11	0.00	14.30
Shower (bath present)	(l/s)	10.50	4.37	0.00	45.89
Bath Only	(l)	0.00	0.50	0.00	0.00
Shower Only	(l/s)	0.00	5.60	0.00	0.00
Kitchen Taps	(l/s)	6.00	0.44	10.36	13.00
Washing Machines	(l/kgdry)	6.00	2.10	0.00	12.60
Dishwashers	(l/place)	0.65	3.60	0.00	2.34
Waste Disposal	(l/s)	0.00	3.08	0.00	0.00
Water Softner	(l/s)	0.00	1.00	0.00	0.00
Total Calculated Water Use (l/p/day)					115.28
Grey/Rain/Water Reused (l)					0.00
Normalisation Factor (Factor)					0.91
Total Consumption CSH (l/p/day)					104.91
External Water Use Allowance (l)					5.00
Total Consumption Part G (l/p/day)					109.91
Assesment Result					PASS