reglobal	
Job no:	1 Norfolk Road NW8
Date:	05/07/2015
Assessor name:	Steven Knight
Registration no:	431
Development name:	1 Norfolk Road NW8
Issue Date:	
Rainwater G	reywater Results
	CALCULATOR FOR NEW DWELLINGS stainable Homes issues Wat 1 for the May 2009 and

Dwelling Description Detached

1st step - Select from options below:

	Is a Rain and/or Greywater system specified?		
Yes	Is a shower AND bath present?		
Voc	Has a washing machine been specified?		
Voc	Has a dishwasher been specified?		

2nd step - Build spreadsheet (click button below)

BUILD SPREADSHEET

As soon as this button is pressed the spreadsheet will change according to the options selected previously in the 1st step. Scroll down to see the changes.

3rd step - Enter consumption details for the specified fittings

TAPS (excluding kitchen taps)		Fitting type	Flow rate (litres/min)	Number of fittings
	1	To be confirmed	2.50	8
2 3				
	4			
		Proport	ionate flow rate (litres/min)	1.75
		Consum	ption / person / day (Litres)	5.53
BATHS		Fitting type	Capacity to overflow (litres)	Number of fittings
BATHS	1	Fitting type To be confirmed		
BATHS	1		(litres)	fittings
BATHS	-	To be confirmed	(litres) 210.00	fittings 1
BATHS	2	To be confirmed	(litres) 210.00	fittings 1
BATHS	2 3	To be confirmed To be confirmed	(litres) 210.00	fittings 1 3

SHOWERS		Fitting type	Flow rate (litres/min)	Number of fittings
	1	To be confirmed	8.00	5
	2			
	3			
	4			
		Proporti	onate flow rate (litres/min)	5.60
		Consum	otion / person / day (Litres)	34.96
DISHWASHER		Fitting Type	Litres per place setting	Number of fittings
	1	To be confirmed	1.80	2
	2			
	3			
	4			
	- F			4.00
		Proportion	nate litres per place setting	1.26

WASHI	NG MACHINES	Fitting Type	Litres per kilogram of dry load	Number of fittings	Is this fitting using rainwater?	Number of Fittings using rainwater
	1	To be confirmed	7.00	1	Yes	1
	2				Click to select	
	3				Click to select	
	4				Click to select	
W			ied but plumbing for future alled, please enter details:		Click to select	
		Proportio	nate of litres/kg of dry load	4.90		
		Consum	ption / person / day (Litres)	14.70		
WC's	Fitting Type	Flush Type	Volume**	Number of fittings	Is this fitting using rainwater?	Number of Fittings using rainwater
1	To be confirmed	Full Flush	6.00	5	No	2
		Part Flush	4.00	5	INU	۷
		Full Flush			Click to	
2		Part Flush			select	

3		Full Flush Part Flush Full Flush Part Flush Average effecti	ve flushing volume (litres)	4.66	Click to select Click to select	
			otion / person / day (Litres)	20.60		
KITCHEN SINK T	APS	Fitting Type	Flow rate (litres/minute)	Number of fittings		
	1	To be confirmed	5.00	1		
	2					
	3					
	4					
		Proporti	onate flow rate (litres/min)	3.50		
		Consum	otion / person / day (Litres)	12.56		
WASTE DISPOSA						
ls a waste disposal	unit spec	ified for the dwelling?	No			
		Consump	otion / person / day (Litres)	0.00		
	ER					
	w	ater Softener in use?	No			
Total cap	acity used	I per regeneration (%)				
Water cor	nsumed p	er regeneration (litres)]	

Average number of regeneration cycl	es per day (No.)		
Number of occupants served by t			
	Water consume	ed beyond 4% person / day (Litres)	0.00
RAINWATER	CALCULATI		Go to Start
Part 1: Amount of rainwater colle	cted		
	Rainwater	collection system in use?	Yes (Individual)
Which approach is bein	g followed from BS8515:2009?		INTERMEDIAT E APPROACH
Rainwate	er collection area	m²	105.00
	Yield co-efficient		0.75
Hydraul	ic filter efficiency		0.90
	Average rainfall	mm/yr	760.00
Number of occupants serve	ed by the system	(Quantity)	6
Perc	entage collected	%	100.00%
Daily rair	water collection	litres	147.58
	Daily rainwater	(litres/person)	24.60
Part 2: Where is the rainwater to	be used?		
W	C Consumption	(litres/person/day)	0.00
Washing Maching	ne Consumption	(litres/person/day)	14.70
Daily non potable	water demand:	(litres/person/day)	14.70

Part 3: Savings provided by rainwater		
Remaining demand requiring mains top-up/additional collection	(liftes/person/dav)	0.00
Excess rainwater not currently used:	(litres/person/day)	9.90
Water savings from rainwater use:	(litres/person/day)	14.70

4th step - Analyse Results

Go to Start

INTERNAL WATER CONSUMPTION				
NET INTERNAL WATER CONSUMPTION	(litres/person/day)	116.28		
RAINWATER ONLY COLLECTION SAVING	(litres/person/day)	14.70		
GREYWATER ONLY RECYCLING SAVING	(litres/person/day)	0.00		
RAIN/GREYWATER COLLECTION SAVING (combined system)	(litres/person/day)	0.00		
NORMALISATION FACTOR	(litres/person/day)	0.91		
TOTAL WATER CONSUMPTION	(litres/person/day)	92.4		
	CSH CREDITS ACHIEVED	3		
	Level 3/4			

17. K COMPLIANCE				
EXTERNAL WATER USE	(litres / person / day)	5.00		
TOTAL WATER CONSUMPTION	(litres / person / day)	97.4		
	17. K COMPLIANCE?	Yes		

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