



<b>Job no:</b>	4878-SAP-NB-5 OLIVERS BATTERY
<b>Date:</b>	38/10/2021
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<b>Registration no:</b>	ELMHURST N388-0001
<b>Development name:</b>	5 OLIVERS BATTERY, WINCHESTER, SO22 4EU
<b>Issue Date:</b>	Oct-21

<b>Rainwater</b>	<b>Greywater</b>	<b>Results</b>
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**WATER EFFICIENCY CALCULATOR FOR NEW DWELLINGS**  
 (for use with the Code for Sustainable Homes issues Wat 1 for the May 2009 and subsequent versions)

<b>Dwelling Description</b>	3 bedroom, 1 bathroom, 2 ensuite & kitchen
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**1st step - Select from options below:**

Is a Rain and/or Greywater system specified?	<b>No</b>
Is a shower AND bath present?	<b>Yes</b>
Has a washing machine been specified?	<b>No</b>
Has a dishwasher been specified?	<b>No</b>

**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**

<b>TAPS</b> (excluding kitchen taps)		<b>Fitting type</b>	<b>Flow rate (litres/min)</b>	<b>Number of fittings</b>
	1	Bathroom, ensuites	5.00	3
	2			
	3			
	4			
	<b>Proportionate flow rate (litres/min)</b>			3.50
<b>Consumption / person / day (Litres)</b>			<b>9.48</b>	

<b>BATHS</b>		<b>Fitting type</b>	<b>Capacity to overflow (litres)</b>	<b>Number of fittings</b>
	1	Bath	150.00	3
	2			
	3			
	4			
	<b>Proportionate capacity to overflow (litres)</b>			105.00
<b>Consumption / person / day (Litres)</b>			<b>16.50</b>	

<b>SHOWERS</b>		<b>Fitting type</b>	<b>Flow rate (litres/min)</b>	<b>Number of fittings</b>
	1	Bathroom & ensuites	7.00	3
	2			
	3			
	4			
	<b>Proportionate flow rate (litres/min)</b>			4.90
<b>Consumption / person / day (Litres)</b>			<b>30.59</b>	
<b>DISHWASHER</b>				
<p><b>Where no dishwasher is specified, a default consumption figure of 1.25 litres per place setting is used.</b></p>				
<b>Consumption / person / day (Litres)</b>			<b>4.50</b>	

<b>WASHING MACHINES</b>				<b>Number of fittings</b>
Where no washing machine is specified, a default consumption figure of 8.17 litres per kilogram of dry load is used.				
Where no washing machines have been specified but plumbing for future supply of grey/rainwater was installed, please enter details:				
		<b>Consumption / person / day (Litres)</b>	<b>17.16</b>	
<b>WC's</b>	<b>Fitting Type</b>	<b>Flush Type</b>	<b>Volume**</b>	<b>Number of fittings</b>
<b>1</b>	<b>Bathroom, ensuites</b>	<b>Full Flush</b>	6.00	<b>3</b>
		<b>Part Flush</b>	3.00	
<b>2</b>		<b>Full Flush</b>		
		<b>Part Flush</b>		

3	Full Flush		
	Part Flush		
4	Full Flush		
	Part Flush		
<b>Average effective flushing volume (litres)</b>			3.99

<b>Consumption / person / day (Litres)</b>	<b>17.64</b>
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<b>KITCHEN SINK TAPS</b>		<b>Fitting Type</b>	<b>Flow rate (litres/minute)</b>	<b>Number of fittings</b>
1		Kitchen	5.00	1
2				
3				
4				

<b>Proportionate flow rate (litres/min)</b>	3.50
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<b>Consumption / person / day (Litres)</b>	<b>12.56</b>
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### WASTE DISPOSAL UNIT

<b>Is a waste disposal unit specified for the dwelling?</b>	No
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<b>Consumption / person / day (Litres)</b>	<b>0.00</b>
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### WATER SOFTENER

<b>Water Softener in use?</b>	No
<b>Total capacity used per regeneration (%)</b>	
<b>Water consumed per regeneration (litres)</b>	

Average number of regeneration cycles per day (No.)	
Number of occupants served by the system (No.)	
<b>Water consumed beyond 4% person / day (Litres)</b>	<b>0.00</b>

**4th step - Analyse Results** [Go to Start](#)

<b>INTERNAL WATER CONSUMPTION</b>		
<b>NET INTERNAL WATER CONSUMPTION</b>	(litres/person/day)	<b>108.43</b>
<b>RAINWATER ONLY COLLECTION SAVING</b>	(litres/person/day)	<b>0.00</b>
<b>GREYWATER ONLY RECYCLING SAVING</b>	(litres/person/day)	<b>0.00</b>
<b>RAIN/GREYWATER COLLECTION SAVING (combined system)</b>	(litres/person/day)	<b>0.00</b>
<b>NORMALISATION FACTOR</b>	(litres/person/day)	<b>0.91</b>
<b>TOTAL WATER CONSUMPTION</b>	(litres/person/day)	<b>98.7</b>
<b>CSH CREDITS ACHIEVED</b>		<b>3</b>
<b>CSH MANDATORY LEVEL:</b>		<b>Level 3/4</b>

**17. K COMPLIANCE**

<b>EXTERNAL WATER USE</b>	(litres / person / day)	5.00
<b>TOTAL WATER CONSUMPTION</b>	(litres / person / day)	<b>103.7</b>
<b>17. K COMPLIANCE?</b>		<b>Yes</b>

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