# C.S.H. Water Report

## PROJECT DETAILS

Project Reference:
Client:
Property: Little Oaks, Winchester Road
Botley, Southampton
SO32 2SZ

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Local Authority:
Agent:

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| | |
|---|---|
| Assessor: | Surecalc Limited |
| Address: | Accredited Energy Assessors |
| Contact: | |
| Software: | G-Calc 2015 version 3.0.2 |
| Prepared on: | 05-Sep-19 |

## RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 3 bed dwelling, as built, achieves an internal potable water consumption of 100.6 litres per person per day.

Credits for Sustainable homes rating: 3

| Table 1: The Water Calculator for New Dwellings | | | | | |
|---|---|---|---|---|---|
| Installation Type | Unit of measure | Value | Use factor | Fixed use | litres/person/day |
| WC(single flush) | Flush volume (litres) | 0 | 4.42 | 0.00 | 0 |
| WC(dual flush) | Full flush vol. | 0 | 1.46 | 0.00 | 0 |
| | Part flush vol. | 0 | 2.96 | 0.00 | 0 |
| WC(multiple fittings) | Average effective Flush vol. (litres) | 3.06 | 4.42 | 0.00 | 13.53 |
| Taps(excl. Kitchen) | Flow rate (litres/min) | 5 | 1.58 | 1.58 | 9.48 |
| Bath (shower also present) | Capacity to overflow (litres) | 170 | 0.11 | 0.00 | 18.7 |
| Shower (bath also present) | Flow rate (litres/min) | 8 | 4.37 | 0.00 | 34.96 |
| Bath only | Capacity to overflow (litres) | | 0.50 | 0.00 | 0 |
| Shower only | Flow rate (litres/minute) | | 5.6 | 0.00 | 0 |
| Kitchen sink taps | Flow rate (litres/minute) | 4.2 | 0.44 | 10.36 | 12.21 |
| Washing Machine | litres/kg dry load | 8.17 | 2.1 | 0.0 | 17.16 |
| Dishwasher | litres/place setting | 1.25 | 3.6 | 0.0 | 4.5 |
| Waste disposal | litres/use | 0 | 3.08 | 0.0 | 0 |
| Water softener | litres/person/day | 0 | 1.0 | 0.0 | 0 |

| | |
|---|---|
| Total calculated use (litres/person/day) | 110.54 |
| Contribution from greywater (litres/person/day) | - |
| Contribution from rainwater (litres/person/day) | - |
| Normalisation factor | 0.91 |
| Total Water Consumption. Code for Sustainable Homes (litres/person/day) | **100.6** |
| External water use | 5.0 |
| Total Water Consumption. (36(1)) (litres/person/day) | **105.6** |

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| Table 2: Consumption Calculator for multiple fittings for New Dwellings | | | |
|---|---|---|---|
| 2.1: Taps (excluding kitchen sink taps) | | | |
| | Flow Rate (l/min) | Quantity (No.) | Total per fitting type |
| 1 | 5 | 3 | 15 |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 3 | |
| Total (Sum of all totals per fitting type) | | | 15 |
| Average Flow Rate (l/min) | | | 5 |
| Maximum Flow Rate (l/min) | | | 5 |
| Proportionate flow Rate (l/min) | | | 3.5 |

| Table 2: Consumption Calculator for multiple fittings for New Dwellings | | | |
|---|---|---|---|
| 2.3: Taps (kitchen/utility sink taps) | | | |
| | Flow Rate (l/min) | Quantity (No.) | Total per fitting type |
| 1 | 6 | | 0 |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 1 | |
| Total (Sum of all totals per fitting type) | | | 0 |
| Average Flow Rate (l/min) | | | 0 |
| Maximum Flow Rate (l/min) | | | 6 |
| Proportionate flow Rate (l/min) | | | 4.2 |

| Table 2: Consumption Calculator for multiple fittings for New Dwellings | | | |
|---|---|---|---|
| 2.7: WC's | | | |
| WC Type | Effective flushing volume (litres) | Quantity (No.) | Total per fitting type |
| 1 | 3.062 | 3 | 9.19 |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 3 | |
| Total (Sum of all totals per fitting type) | | | 9.19 |
| Average effective flushing volume (litres) | | | 3.06 |

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| Summary of fitting types "As Built" | | | |
|---|---|---|---|
| Type | Description | Flow rates, volumes etc. | Qty |
| Taps | | 5 litres/min | 3 |
| Baths | | 170 litres to overflow | 1 |
| Dishwashers | | 1.25 litres/place | 1 |
| Washing Machines | | 8.17 litres/kg | 1 |
| Showers | | 8 litres/min | 1 |
| WC's | | 4 / 2.6 litres flush vols. | 3 |
| Kitchen/Utility taps | | 6 litres/min | 1 |

Project ref: - Little Oaks, Winchester Road

I confirm the above schedule of fittings, values and quantities is a true reflection of those installed on this project.
I also confirm that action was taken to avoid microbial contamination.

Name: ..... Signature: ..... Date: .....

------End of Report------

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