

Part G –Water Efficiency Calculation

PROJECT : **Weir House**  
PROJECT NUMBER : RA5632

Date Jun 26

Typical Flat

Water Efficiency  
Reasonable provision must be made by the installation of fittings and fixed appliances that use water efficiently for the prevention of undue consumption of water.

|                                                  |                               | CAPACITY / FLOW RATE | USE FACTOR | FIXED USE<br>(litres / person /day) | Litres / person / day |
|--------------------------------------------------|-------------------------------|----------------------|------------|-------------------------------------|-----------------------|
| WC (single flush)                                | Flush volume (litres)         | 0                    | 4.42       | 0.00                                | 0.00                  |
| WC (dual flush)                                  | Flush volume (litres)         | 4.5                  | 1.46       | 0.00                                | 6.57                  |
|                                                  | Part flush volume (litres)    | 3                    | 2.96       | 0.00                                | 8.88                  |
| WCs (multiple fittings)                          | Average flush volume (litres) | 0                    | 4.42       | 0.00                                | 0.00                  |
| Taps (excluding kitchen / utility)               | Flow rate (litres / minute)   | 5                    | 1.58       | 1.58                                | 9.48                  |
| Bath (where shower also present)                 | Capacity to overflow (litres) | 150                  | 0.11       | 0.00                                | 16.50                 |
| Shower (where bath also present)                 | Flow rate (litres / minute)   | 9                    | 4.37       | 0.00                                | 39.33                 |
| Bath only                                        | Capacity to overflow (litres) | 0                    | 0.50       | 0.00                                | 0.00                  |
| Shower only                                      | Flow rate (litres / minute)   | 0                    | 5.60       | 0.00                                | 0.00                  |
| Kitchen / utility room sink taps                 | Flow rate (litres / minute)   | 6                    | 0.44       | 10.36                               | 13.00                 |
| Washing machine                                  | Litres / kg dry load          | 8.17                 | 2.10       | 0.00                                | 17.16                 |
| Dishwasher                                       | Litres/place setting          | 1.25                 | 3.60       | 0.00                                | 4.50                  |
| Waste disposal unit                              | Litres / use                  | 0                    | 3.08       | 0.00                                | 0.00                  |
| Water softener                                   | Litres / person / day         | 0                    | 1.00       | 0.00                                | 0.00                  |
|                                                  |                               |                      |            | Total calculated use                | 115.42                |
| Contribution from grey water (litres/person/day) |                               |                      |            |                                     | 0.00                  |
| Contribution from rainwater (litres/person/day)  |                               |                      |            |                                     | 0.00                  |
| Normalisation factor                             |                               |                      |            |                                     | 0.91                  |
| INTERNAL WATER CONSUMPTION<br>litres/person/day  |                               |                      |            |                                     | 105.0                 |
| External water use                               |                               |                      |            |                                     | 0.00                  |
| TOTAL WATER CONSUMPTION<br>litres/person/day     |                               |                      |            |                                     | 105.0                 |
| ASSESSMENT RESULT                                |                               |                      |            |                                     | PASS                  |