Water Efficiency Measures – Goffsland Farm: Condition 4

As detailed within the approved Water Neutrality Report the following components and water efficiency measures are proposed to be installed to the shepherds hut.

Flow restrictors are proposed to be installed on the taps and shower outlet flow regulator to ensure they conform with the litres per minute for each fixture and fitting detailed within the Part G approved water calculator.

The details of the proposed taps and flow restrictors are noted below:

Appliance	**Accessory to be fitted**	**Requirement Under Part G Calculator**	**Eco Range Product Code**
Shower outlet	Shower outlet flow regulator	5.2 litres per min	ECO SHW 05
https://www.armera.co.uk/uploads/products/instructions/ARMERA_Instructions_RI.352_.66_FINAL_.pdf			
Kitchen tap	Aerator	5 litres per min	ECO BAS4.5
https://cdn.shopify.com/s/files/1/2537/7326/files/TAP_TECHNICAL_DOC_43d9ec9a-99e1-45a7-8d0e-ae7cddedc3ab.pdf?v=1698135846			
Hand Basin tap	Aerator	5 litres per min	ECO BAS4.5
https://www.victorianplumbing.co.uk/arezzo-round-matt-black-basin-mono-mixer-tap			
Toilet	Dual flush as fitted	2.2 litres per min	-
https://www.toiletspares-kingswayplumbing.co.uk/siamp-intra-comfort-concealed-cistern The dual flush feature provides an option for a smaller flush, significantly reducing water consumption, especially for liquid waste. Over time, this can result in a noticeable reduction in overall water use.			
Boiler	-	-	-
Rinnai Tankless 17i Low NOx 35kW Multi-Point LPG Water Heater https://www.gasproducts.co.uk/rinnai-tankless-17i-low-nox-35kw-multi-point-lpg-water-heater-flue.html?gad_source=1&gclid=CjwKCAiA5pq-BhBuEiwAvkzVZafMX7-xzmHCaBh1FH9Om6wF_fvWwRgrvruOOIx8vVKfi1GF9pfLVBoCgtoQAvD_BwE			
Washing Machine / Dishwasher	-	-	-
These are not proposed to be installed in the shepherds hut			

Figure 1 - Fixtures to be installed to comply with Part G building regulations (Source: Eco Range)



ECO RANGE

Accessories
Flow Regulators

Product Code	Colour	Use	Dimension	Limited To (lpm)	Fitted To
ECO TAP1	Pink	Flow Regulator	ø15mm	1	Tap Tail/Shower Inlet
ECO TAP2	Olive	Flow Regulator	ø15mm	2	Tap Tail/Shower Inlet
ECO TAP3	Brown	Flow Regulator	ø15mm	3	Tap Tail/Shower Inlet
ECO TAP4	Grey	Flow Regulator	ø15mm	4	Tap Tail/Shower Inlet
ECO TAP5	Yellow	Flow Regulator	ø15mm	5	Tap Tail/Shower Inlet
ECO TAP6	Black	Flow Regulator	ø15mm	6	Tap Tail/Shower Inlet
ECO TAP7	Green	Flow Regulator	ø15mm	7	Tap Tail/Shower Inlet
ECO BAS3.5	Blue	Aerator	M24	3.5	Tap Spout
ECO FBAS3.5	Blue	Aerator	M22 Female	3.5	Tap Spout
ECO BAS4.5	Pink	Aerator	M24	4.5	Tap Spout
ECO BAS6	Black	Aerator	M24	6	Tap Spout
ECO SPBAS 1.8	Lime Green	Spray Regulator	M24	1.8	Tap Spout
ECO SPBAS3.5	Dark Blue	Spray Regulator	M24	3.5	Tap Spout
ECO SHW 04	Grey	Flow Regulator	G 1/2"	4	Shower Outlet
ECO SHW 05	Yellow	Flow Regulator	G 1/2"	5	Shower Outlet
ECO SHW 06	Black	Flow Regulator	G 1/2"	6	Shower Outlet
ECO SHW 07	Green	Flow Regulator	G 1/2"	7	Shower Outlet
ECO SHW 08	White	Flow Regulator	G 1/2"	8	Shower Outlet
ECO SHW 10	Blue	Flow Regulator	G 1/2"	10	Shower Outlet
ECO SHW 14	Pink	Flow Regulator	G 1/2"	14	Shower Outlet

Features:

- All flow limiters accurate by +/-10%
- Flow rates shown in litres per minute
- All relevant products, unless otherwise stated will work on a minimum pressure of 0.2bar
- For TMV2 approved products fitted on a combi boiler system, it is recommended that flow regulators are fitted inside both shower inlet connections

Product Certifications:

Also available from the ECO Range is:

TECHNICAL DATA SHEET

A screenshot of a computer

Description automatically generated

Fitted to kitchen tap / hand basin tap / outdoor tap

The tap aerator would be removed by hand from the end of the faucet and replaced by the flow restrictor. It would be inserted onto the screen by hand. The water will then flow at a reduced rate

Fitted to shower head

The flow regulator for the shower would be installed into the shower head nozzle by hand. This will limit water flow.