

Our Ref: 17.1070

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Dear Joanna

Re: Application to Discharge Planning Conditions Ref: 242892 – Water Consumption

Further to our recent correspondence I am pleased to provide you with additional information relating to Condition 52 (Water Consumption) associated with planning permission ref: 181194.

An application to partially discharge this planning condition in relation to Parcels 4 and 5 has recently been submitted under Ref: 242892. This has been submitted alongside the Reserved Matters application (Ref: 241524) for Parcels 4 and 5, which is also pending consideration by the Local Planning Authority.

The table provided overleaf demonstrates that in relation to Condition 52, Parcels 4 and 5 would be able to achieve a maximum domestic water consumption of 105 litres per capita per day for the residential element of the proposed development.

Yours sincerely

Michelle Quan

Michelle Quan
Director

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Water Conservation

Performance target:

105 ltrs pp/d

Installation type	Unit of measure		Capacity/ flow rate		Use Factor		Fixed Use	Litres/ person/day
WC (dual flush)	Full flush volume		4.5		1.46		0	6.57
	Part flush volume		3		2.96		0	8.88
Taps (excluding kitchen/utility room taps)	Flow rate (l/min)		3.5		1.58		1.58	7.11
Bath (where shower also present)	Capacity to overflow		156		0.11		0	17.16
Shower (where bath also present)	Flow rate (l/min)		8		4.37		0	34.96
Bath Only	Capacity to overflow		N/A		0.5		0	0.00
Shower only	Flow rate (l/min)		N/A		5.6		0	0.00
Kitchen/utility room sink taps	Flow rate (l/min)		6		0.44		10.36	13.00
Washing machine	Litres/kg dry load		8.17		2.1		0	17.16
Dishwasher	Litres/place setting		1.25		3.6		0	4.50
Waste disposal unit	Litres/use		N/A		3.08		0	0.00
Water softener	Ltrs/person/day		N/A		0		0	0.00
Greywater Contribution	N/A	Rainwater Contribution	N/A	Normalisation factor	0.91	Total calculated use		109.34
Normalised total water consumption			99.50			Total Water Consumption		104.50
External water use		5.00						
The calculation methodology is to be used to assess compliance against the water performance targets in Regulation 36. It is not a design tool for water supply and drainage systems. It is also not capable of calculating the actual potable water consumption of a new dwelling. Behaviour and changing behaviour can also have an effect on the amount of potable water used throughout a home. The						Part G 17.K Compliance?		Yes
						Performance Target Met		Yes

Boyer