

Developers, Architects, Engineers, Contractors, and Builders

Dear Sir/Madam,

**UPDATE FOR 'COMPOFWORK' FORM AND STANDARD VALUES FOR USED WATER  
FLOWRATE DECLARATION IN DC FORM**

PUB has announced that with effect from 1 July 2017, the Sanitary Appliance Fee (SAF) and the Waterborne Fee (WBF) will be restructured into a single volume-based fee. It will therefore no longer be compulsory for QPs to declare the chargeable sanitary appliances in Section 3 and 4 of the Certificate of Completion and Inspection of Sanitary and Sewerage (COMPOFWORK).

2. QPs currently declare used water flowrate from proposed new developments. To help the industry and standardise the values used to declare the flowrates, QPs can use the table format as shown in Annex 1 (Based on BS EN12056-2).
3. The industry is advised to provide the table as part of your submission for new submissions from 1 Oct 17 onwards. If you have any queries concerning this circular, please contact our BPU hotline at 67313512 or email us at PUB\_BPU@pub.gov.sg or Mr Christian Budiman at Christian\_Budiman@pub.gov.sg.

Yours faithfully



Goh Pin Cheh  
Head (Building Plan Unit)  
PUB

## Annex 1

### Sample table format and values to be used to declare used water flowrate in submission

Building/Block No: XXXX

Appliances	DU* (l/s)	QTY	DU x QTY (l/s)
Wash basin	0.5	20	10
Bidet	0.5	0	0
shower w/o plug	0.6	20	12
Urinal with flush valve	0.5	4	2
Bath	0.8	2	1.6
Kitchen sink	0.8	10	8
Dishwasher	0.8	10	8
Washing machine (up to 6Kg)	0.8	10	8
Washing machine (up to 12Kg)	1.5	0	0
WC	1.8	20	36
Floor Trap (DN100)	2	20	40
$\Sigma$ DU			125.6
Frequency Factor (K)*			0.5
$Q_{ww1} = K\sqrt{\Sigma DU}$ (see below)			5.60
Other source of Q			0.00
<b>Q total to sewer(<math>Q_{ww1} +</math> Other source of Q)</b>			<b>5.60</b>

$$Q_{ww1} = K\sqrt{\Sigma DU} = 0.5 (\text{sq root } (125.6)) = 5.60$$

\* All DUs and Frequency Factor based on BS EN12056-2

Development Type	K, Frequency Factor
Office, dwelling, guest house	0.5
Hospital, School, Restaurant	0.7
Toilet open to public	1
Special use eg. Lab	1.2

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