

# NEWSLETTER

KEEPING YOU INFORMED

Issue 5 September 2017

## NEWS

### Revised Licensing Scheme for Licensed Plumbers

National water agency PUB will revise the licensing scheme for plumbers from 1 April 2018 to require all sanitary plumbers to also be licensed.

Named the Licensed Plumber (LP) scheme, the revision is an expansion of PUB's existing Licensed Water Service Plumber (LWSP) scheme, under which licensing is currently mandatory only for water service plumbers. Sanitary plumbers are currently not required to be licensed.

### Raising Competency of Plumbing Industry

The new LP scheme aims to upgrade the industry's standards by streamlining the operations of water service and sanitary plumbing – through training, licensing of qualified plumbers, and enforcement against non-compliance with PUB's rules and regulations.

The new LP scheme will see both water service and sanitary plumbers operating under one common licence and be competent in executing both types of plumbing work. It will also place the plumbing industry under the authority of PUB.

### Benefits for Consumers

For development projects, Qualified Persons (QPs) are responsible for ensuring that sanitary piping work adhere to regulatory standards. With the revision, only LPs are allowed to carry out any form of plumbing work, before the QP certifies the completed work. This offers an additional level of quality assurance for consumers.

For homeowners who require plumbing services for renovation or general maintenance, the licensing of sanitary plumbers will provide more quality assurance of the plumbing work.

Developers and homeowners who require both water service and sanitary plumbing services will also enjoy the convenience of engaging just one LP to do both works. From 1 April 2018, consumers and developers can refer to the PUB website ([www.pub.gov.sg](http://www.pub.gov.sg)) for a full list of LPs available for hire, as well as a list of water service and sanitary works which must be carried out by a LP.

### JOINT SEMINARS

**PUB is working with BCA (IACC) and IES to hold joint seminars for the industry. For details and to register for the seminars, please visit the respective agencies' website.**

**6 October 2017 – Joint Seminar with IACC**  
[www.bcaa.edu.sg](http://www.bcaa.edu.sg)

**27 Oct 2017 – Joint Seminar with IES**  
[www.ies.org.sg](http://www.ies.org.sg)



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## Training Requirements for the LP Licence

Similar to the current LWSP scheme, obtaining the new LP licence requires plumbers to complete the Building and Construction Authority's (BCA) Builder Certificate course in Plumbing and Pipe-Fitting (or equivalent qualifications).

In addition, plumbers will also have to attend PUB's sanitary and/or water service plumbing course and pass an assessment. To enhance capability development for the industry, the Singapore Water Academy (SgWA) in PUB is developing a specialised training programme for plumbers which will build on their current competencies in water service and sanitary plumbing.

The PUB courses will update plumbers on both the Singapore Standard CP48:2005 - Code of Practice for Water Services and the Code of Practice on Sewerage and Sanitary Works. They will also cover safety, water quality, public health and water conservation guidelines which must be complied with when carrying out plumbing works.

The simple plumbing works below can be carried out without engaging a Licensed Plumber. Other water service or sanitary works not listed below is to be carried out by a Licensed Plumber.

### Water Services Works (Potable Water)

- Changing of shower hose and showerhead from tap
- Changing of connecting hose from tap (i.e. after terminal fitting) to washing machine, dish washer
- Changing of connecting hose with spring loaded self-closing nozzle from tap/garden tap (i.e. after terminal fitting)
- Connection to instantaneous water heaters after stop valve
- Changing of flushing mechanism within flushing cistern or flexible hose to flushing cistern
- Changing of tap or flexible hose to tap

### Sanitary Works (Used Water)

- Installation, replacement or removal of any washbasin, sink, bathtub/shower tray/enclosure, including installation or replacement of bottle trap/fitting trap below the wash basin/sink, floor waste outlets and associated pipes which connect to an existing floor trap
- Replacement of grating or cover of floor trap or floor waste
- Clearing of blockage in floor trap/water closet/sanitary appliances
- Clearing and flushing of sanitary pipes and sanitary drain-lines/inspection chambers.

From 1 October 2018, it is an offence for anyone to carry out water service or sanitary plumbing works, advertise or otherwise pretend to be an LP without a valid PUB LP licence. The public can direct their queries or report practices by unlicensed plumbers to the building management or PUB's 24-hour Call Centre at 1800-CALL-PUB (1800-2255-782).

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## USED WATER FLOWRATE FROM DEVELOPMENT (INFORMATION TO BE INCLUDED IN DC FORM)

To standardise the values used to declare used water flowrates, QPs can refer to BSEN12056-2. You can also present the information in the table (as shown in below). For more information, you can refer to PUB's circular published on 30 Jun 2017.

Example:

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
$\sum$ DU			125.6
Frequency Factor (K)*			0.5
$Q_{ww_1} = K\sqrt{\sum DU}$ (see below)			5.60
Other source of Q			0.00
Q total to sewer( $Q_{ww_1}$ + Other source of Q)			<b>5.60</b>

$$Q_{ww_1} = K\sqrt{\sum DU} = 0.5 (\text{sq root } (125.6)) = 5.60$$

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

\* All DUs and frequency factor based on BS EN12056-2

### RECENT PUB CIRCULARS

Date	Title
10 Mar 2017	Introduction of new Online Submission System for Licensed Plumbers and Discontinuation (Termination) of Hardcopy and Fax Submission
29 Jun 2017	New Public Utilities Regulations and Sewerage and Drainage Regulations
30 Jun 2017	Update for "Compofwork" Form and Standard Values For Used Water Flowrate Declaration in DC Form



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