



Water for All: Conserve, Value, Enjoy

Your Ref : PLEASE ADDRESS ANY CORRESPONDENCE TO WATER SUPPLY (NETWORK) DEPARTMENT

Our Ref : WSN 92802/49

Tel : 67313669

Fax : 67313023

Date : 30 Sep 14

E-mail : christopher_chua@pub.gov.sg

To Relevant Professional Institutes, Associations, Societies, Statutory Boards,
Government Organisations, Developers, Qualified Persons, Professional Engineers,
Licensed Water Service Plumbers, Suppliers, Testing Laboratories.

Dear Sir/Madam

REVISED FLOW RATE REQUIREMENTS FOR SELF CLOSING DELAYED ACTION TAPS IN PUBLIC TOILETS

Objective

This circular is to inform the relevant professional institutes, associations, societies, statutory boards, government organisations, developers, qualified persons, professional engineers, licensed water service plumbers, suppliers, testing laboratories, etc of the revised flow rate requirements for the self-closing delayed action mechanical and sensor type taps at the wash basins in public toilets from **1 Aug 2014** following the revisions in NEA's Code of Practice on Environmental Health (COPEH).

Background

2 Prior to the revision of the flow rates, the flow rate of all self-closing delayed-action mechanical and sensor type taps at wash basins in public toilets had to be no more than 6 litres/minute with a flow timing of between 2 to 3 seconds. In food retail outlets where toilet facilities were provided, the flow rate of all self-closing delayed-action mechanical and sensor type taps at wash basins provided outside the toilet had to be at least 2 litres/minute without exceeding 6 litres/minute with flow timing between 2 to 3 seconds. Sensor type self-closing delayed action basin taps with a flow rate of 2 litres/minute were allowed a maximum preset timing of not more than 60 seconds provided water supply from the tap was automatically cut off when the hand was moved away from beneath the tap. For better hygiene, the COPEH also stated that sensor type self-closing taps should be considered.

3 To further support water conservation without compromising public hygiene, NEA, PUB and HPB have recently reviewed the flow rate requirements for self-closing delayed-action mechanical and sensor type taps at all wash basins in all public toilets and outside toilet facilities in food retail outlets.

Details of Requirements, Implementation and Effective Date

4 Following the review, the revised flow rate requirement for all self-closing delayed-action mechanical and sensor type taps at all wash basins in all public toilets and outside toilet facilities in food retail outlets has been set at **2 litres per minute**. The flow timing requirement of between 2 to 3 seconds remains. Similarly, sensor type self-closing delayed action basin taps with a flow rate of 2 litres/minute continue to be allowed a maximum preset timing of not more than 60 seconds provided water supply from the tap is automatically cut off when the hand is moved away from beneath the tap. For better hygiene, sensor type self-closing taps should continue to be considered. The changes are summarised in the table below.

Water Usage Area	Before 1 Aug 2014		From 1 Aug 2014		Remarks
	Flow Rate	Flow Timing	Flow Rate	Flow Timing	
Wash Basin in Public Toilet	Not Exceeding 6 litres/min	2 – 3 seconds	2 litres/min	2 – 3 seconds	Sensor type self-closing delayed action basin taps with flow rate of 2 litres/min continue to be allowed a maximum preset timing of not more than 60 seconds provided water supply from the tap is automatically cut off when the hand is moved away from beneath the tap. For better hygiene, sensor type self-closing taps should continue to be considered.
Wash Basin outside toilet facilities in food retail outlets	At least 2 litres/min without exceeding 6 litres/min	2 – 3 seconds	2 litres/min	2 – 3 seconds	

5 The above revised flow rate requirements have been incorporated into the COPEH and have come into effect from **1 Aug 2014**. All building plan submission for all public toilets will have to meet the revised flow rate requirements. The Singapore Standard CP 48 – Code of Practice for Water Services will also be amended to reflect this new requirement.

Clarifications

6 If you or your members/staff have any queries concerning this circular or need any clarifications, please do not hesitate to contact the following officers:

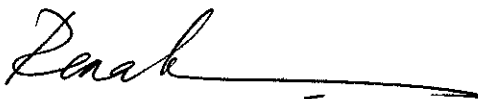
Name	Email	Contact No
Wong Wai Cheng	wong_wai_cheng@pub.gov.sg	67313556
Christopher Chua	christopher_chua@pub.gov.sg	67313669

Informing members/staff

7 I will appreciate it very much if you can help convey the contents of this circular to members/staff of your organisation.

8 Thank you and best regards.

Yours faithfully



RAMAHAD SINGH
CHIEF ENGINEER
WATER DEMAND MANAGEMENT & INSPECTORATE
for DIRECTOR
WATER SUPPLY (NETWORK) DEPARTMENT