Dear Sir/Madam

REQUIREMENTS FOR INSTALLATION OF PRIVATE METERS AND WATER EFFICIENT WATER FITTINGS FOR PUBLIC SECTOR PREMISES / DEVELOPMENTS

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 requirements for installation of private meters and water efficient water fittings for public sector premises / developments under Public Sector Taking the Lead in Environmental Sustainability (PSTLES) initiative.

2 The PSTLES initiative was first introduced in 2006 to improve resource efficiency in the public sector and demonstrate our commitment towards environmental sustainability. The initial PSTLES framework therefore stipulated a range of environmental sustainability measures encompassing water efficiency. To further strengthen environmental sustainability efforts within the public sector, an enhanced PSTLES 2.0 framework, was implemented in November 2014.

3 The water efficiency requirements include the following:

a) All new and existing public sector premises are to achieve water efficient flowrates / flush volume and attain Water Efficient Building (WEB) (Basic) certification respectively. Such requirement is equivalent to installation of min. 2-tick MWELS water fittings and 3-tick MWELS for basin taps.

b) All new and existing public sector premises which consume more than or equal to 36,000 m³/year of water are to install private water meters at key water usage areas. Sub-clause 7.2(i) and more details on the installation of the private water meters are given in Annexes A and B.

4 All Professional Engineers and Licensed Water service Plumbers are reminded to comply with the above requirements.

5 I will appreciate it very much if you can help convey the contents of this circular to the relevant members/staff within your organisation. Please do not hesitate to contact my colleague Ms Irene Toh at email: irene_toh@pub.gov.sg, tel: 67313618 or Ms Pei Nan at email: pei_nan@pub.gov.sg, tel: 67313503 if you need further clarification.
Thank you.

Yours faithfully

WONG WAI CHENG
CHIEF ENGINEER
WATER DEMAND MANAGEMENT & INSPECTORATE
for DIRECTOR
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PUB
Sub clause 7.2(i) of the Singapore Standard CP 48 : 2005 – Code of Practice for Water Services

7.2 Water conservation measures

Water conservation measures are to be adopted at various areas including the following:

(i) Other areas in domestic (where applicable) and non-domestic premises as follows:

- Install private water meters to measure water consumption at various areas such as cooling towers, swimming pools, kitchens, guestrooms, gardens, landscaped areas, toilets, boilers, etc and to monitor and track the water consumption at these areas for water usage and leakage control management.
Private water meters to be installed to measure and monitor amount of water used at each of the following water usage areas

The private water meters installed shall be painted grey in colour with a colour code of BS4800:00A09 or RAL7037 or equivalent. The private water meters shall also be clearly labelled to indicate the water usage areas monitored. Labels used shall be durable and clearly legible.

<table>
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<tr>
<th>Sector</th>
<th>Private water meters to be installed to monitor amount of water used at each of the following water usage areas</th>
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| 1. Industries | (a) Process  
(b) Cooling tower  
(c) Boiler  
(d) Scrubber  
(e) Cooking area or kitchen  
(f) Toilet |
| 2. Hotels | (a) Guestroom  
(b) Cooling tower  
(c) Food and beverage outlet  
(d) Production kitchen  
(e) Laundry  
(f) Cold water inlet to hot water supply or boiler  
(g) Swimming pool |
| 3. Tertiary institution, prison, or military or defence installation | (a) Cooling tower  
(b) Toilets for each block  
(c) Washing area  
(d) Swimming pool |
| 4. Hospitals | (a) Cooling tower  
(b) Toilets, wards and operating theatres for each block  
(c) Kitchen  
(d) Cold water inlet to hot water supply or boiler |
| 5. Workers’ Dormitories | (a) Toilets for each block  
(b) Cooking area  
(c) Laundry  
(d) Washing area |
| 6. Construction Sites and Concrete Batching Plants | (a) Construction activity  
(b) Recharge well  
(c) Concrete production  
(d) Toilet  
(e) Vehicle washing area |
| 7. Sports and Recreational Facilities and Tourist Attractions | (a) Cooling tower  
(b) Exhibit or enclosure  
(c) Washing area  
(d) Toilet  
(e) Food and beverage outlet  
(f) Irrigation  
(g) Swimming pool |
| 8. Office or retail building, or any other building not mentioned in items 1 to 7 | (a) Cooling tower  
(b) Toilet |