

PLEASE ADDRESS ANY CORRESPONDENCE TO WATER SUPPLY (NETWORK) DEPARTMENT

Your Ref :

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Date : 1 Feb 2021 E-mail : noryati_abdullah@pub.gov.sg

To Professional Engineers and Licensed Plumbers.

Dear sir/madam

ADVISORY TO PROFESSIONAL ENGINEERS AND LICENSED PLUMBERS ON WATER SERVICE INSTALLATION PROJECTS

This circular is to remind Professional Engineers (PEs) and Licensed Plumbers (LPs) to ensure due diligence that the water service installation works, and water fittings and materials used in projects are fit and safe.

2. As the PE and LP, you are responsible for ensuring that the water service installation works undertaken by you comply with the Public Utilities (Water Supply) Regulations, Singapore Standards SS 636:2018 Code of Practice for Water Services and other relevant statutory requirements. This includes exercising your due diligence to ensure that any water fitting or material used and installed in your project shall not affect the quality of water supply to customers or cause water wastage.

3. PEs/LPs are expected to work closely with your suppliers to ensure all water fittings and materials in all projects undertaken by you, have been tested to comply with the prevailing PUB's stipulated requirements and standards before they are allowed to be installed. PEs/LPs can report to PUB on supply of non-compliant fittings prior to installation, and PUB will not hesitate to take the necessary action against responsible parties including suppliers, contractors, importers, homeowners, etc.

Advisory measures

4. As part of ensuring that the batch of water fittings or materials are safe and fit for the specific project, PEs and LPs are advised to adopt the following measures:

- a) To conduct the necessary background checks on traceability and quality control by the suppliers on their water fittings, which includes but not limited to, water tanks, its associated parts, coatings, linings and materials and that whether they are safe and fit.
- b) To assess and consider the need to stipulate batch testing and sampling to check if the fitting supplied and delivered to the project site is safe and fit for use prior to its installation. You may choose to focus on the key fittings,

(e.g. not limited to your selected sink/kitchen taps, basin taps, flexible metal connecting hose and/or distribution/service pipes for testing to the prevailing stipulated standards on effects on water for non-metallic materials and metallic materials i.e. SS 375 and/or AS/NZS 4020 Appendix H respectively.)

with potential impact to quality of water supply if found to be of sub-standard. PEs, LPs and suppliers should also work together to consider the test duration as specified in the standards, in their project schedule.

5. In relation to paragraph 4, as an example;
- a) for projects involving PE, both the PE and LP are to select random samples of pipes, pipe fittings, valves, taps/mixers, etc., which have been supplied and delivered to the project site for testing* to the prevailing PUB's stipulated standards and requirements before installation, e.g. Effects of Water for non-metallic and metallic materials in contact with water i.e. SS 375 and AS/NZS 4020 Appendix H. Alternatively, PE/LP may also consider selecting samples from premises itself after installation but before project completion (i.e. submission of Certificate of Satisfactory Completion of Water Service Works).
 - b) For projects involving LPs only, the LPs can also consider the tests and samplings as mentioned above. Should the batch tests fail, PE/LP may inform (which includes providing the supporting documents e.g. test reports, documentary proof of supply such as Delivery Orders, etc.) PUB to follow-up with the necessary investigations on the affected suppliers.

**samples to be selected on final product and tested by SAC-accredited test laboratory. Please consult the test lab on the sampling size of the final product and also the test duration.*

6. While the above is an advisory, we would like to strongly urge PEs and LPs to adopt this enhanced measure as part of your due diligent processes to safeguard the water supply to customers' premises. Please also note that PUB is not in the position to determine which parties should bear the cost of testing and sampling given that this is a commercial arrangement.

7. Please disseminate the information in this circular to your relevant staff, members, contractors, distributors, suppliers, retailers and other industry partners for their information. A copy of this circular is also downloadable from PUB's website at www.pub.gov.sg. If you have any queries concerning this circular or need further clarification or assistance, please email to pub_waterfittings@pub.gov.sg or email to any of the officers listed below.

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Yours faithfully



NORYATI ABDULLAH
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 for DIRECTOR
 WATER SUPPLY (NETWORK) DEPARTMENT

cc Distribution (via email)

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29	The Secretariat Office Micro Builders Association, Singapore	18 Sin Ming Ln, #02-08 Midview City, Singapore 573960	info@mbas.org.sg
30	All relevant water fittings suppliers	-	-