President
Association Of Consulting Engineers, Singapore (ACES)
Thomson Road Post Office PO Box 034
Singapore 915702

Dear Sir/Madam,

UPDATE ON GUIDELINES FOR THE USE OF NEWATER FOR NON-POTABLE USE

As you are aware, NEWater has since 2003 been supplied to commercial and industrial premises, where available for non potable uses such as for cooling towers, suitable process uses, general washing and irrigation, etc. We would like to take this opportunity to update the following guidelines on the use of NEWater:

a) Provision of dedicated reticulation system to receive NEWater

All new commercial and industrial development proposals, including those existing premises undergoing addition/alteration (A&A) works, with cooling towers and/or processes, are required to provide a dedicated NEWater pipe system now to take in NEWater for such usage when it becomes available in future. Please pre consult us on the availability of NEWater supply at least 12 to 18mths in advance for us to review and put in place the necessary infrastructure.

b) Provision to receive PUB water as alternate source to NEWater

For the above mentioned proposals, provisions shall be made to receive PUB water as alternate source to NEWater in the event of an interruption due to urgent repairs, construction of new works, alteration to or maintenance of existing works. Examples of this include provision of a spool piece with double check valves to facilitate switching over from NEWater to PUB water or via dual feed pipes supplying PUB water and NEWater to the NEWater break tank. There shall be no cross connection between the PUB and NEWater supply pipelines.

c) Mode of supply for NEWater

To ensure a continuous and reliable supply of NEWater to the development, provision shall also be made for a NEWater storage tank to be installed within the premises with its level of the highest fitting to tank not higher than 115 mRL and a capacity equivalent to the 1 day’s non-potable water requirement.
d) **Fire Sprinkler**

Currently PUB only supplies NEWater to a development’s fire sprinkler system as an extension to other non potable uses e.g. cooling towers, etc. Moving forward, in addition to complying with all requirements under Spring Singapore’s Code of Practice 52, PUB water shall be designed to be the main feed to the fire sprinkler tank. For further clarifications, please consult Fire Safety and Shelter Department.

2 The above is in addition to the other relevant requirements stated in CP48.

3 We will appreciate it very much if you can help to disseminate the contents of this circular to the relevant officers/members in your company/organisation and ensure compliance with the above requirements.

4 Please contact me or my colleagues if you require further clarifications:
   - Mr Ong Zhengjie at 96804233 or ong_zhengjie@pub.gov.sg
   - Ms Ng Siew Tuan at 96223051 or ng_siew_tuan@pub.gov.sg

Thank you for your continued support for NEWater.

Yours faithfully,

[Signature]

MARIE CHAN  
SENIOR MANAGER  
For Director  
WATER SUPPLY (NETWORK) DEPARTMENT  
PUBLIC UTILITIES BOARD