**Drinking Water
Engineering and Science
Discussions**

Interactive
Comment

Interactive comment on "Abnormal quality detection and isolation in water distribution networks using simulation models" *by* F. Nejjari et al.

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While the approach that has been used in the study is useful in determination of the fault in the distribution network, no discussion or explanation has been presented regarding the location and number of sensors locations in the network. The sensor location is very important parameter in this kind of study, and sensor location and number of sensors should be optimized to provide satisfactory coverage of the network. For example, if figures 2, 3 and 5 were combined, it may reveal that the faulty links were detected in the close proximity to the sensors. As well, it is important to provide the readers with the information about sensors such as their sensitivity, detection level and

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false positive rates. There should be some approach to avoid false positives due to sensor error.

Interactive comment on Drink. Water Eng. Sci. Discuss., 5, 435, 2012.