Drinking Water

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Discussions

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Interactive comment on "The effect of a loss of model structural detail due to network skeletonization on contamination warning system design: case studies" *by* Michael J. Davis and Robert Janke

Anonymous Referee #3

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This study examines the comparison of contamination warning system (CWS) designs developed using skeletonized models transplanted into original network models and original network models for water distribution systems. To simulate the author using TEVA-SPOT software. The simulated network with the software refers to the N1 and N3 networks. However, the manuscript is not explained in detail about these two networks, so as readers do not understand what the characteristics of these networks are. Likewise, in this part of the method of skeletonization and how to simulate it is not elaborated in detail. The results of this study discussed the performance of CWS with the

application of sensors. Sensors are used to detect contamination and this is interesting in the development of CWS design in order to minimize the worst impact. However, it is good in discussing the performance of CWS, the authors also consider its performance in the aspect of hydraulic analysis. Overall this manuscript can be accepted with a minor correction because this research is very useful both water managers and academics in designing water distribution system.

Interactive comment on Drink. Water Eng. Sci. Discuss., https://doi.org/10.5194/dwes-2017-39, 2018.