

Interactive comment on “Impact of decreasing water demand on bank filtration in Saxony, Germany” by T. Grischek et al.

Anonymous Referee #2

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Authors have shown a new aspect of the problem associated with bank filtration as a result of the decreasing water demand. I believe this is the first paper which describes the consequence for a bank filtration system because of the decreasing water demand from full-scale bank facilities. However, this study could be site specific; thus, the result of this study can be limited to the region of Saxony. However, it is useful information for scientists and researchers to know or inform what is the consequence from the case where water demand is getting low. Therefore, I would like to recommend this paper to be published with minor revision indicated below.

1. Suggest indicators with respect to water quality or hydrogeochemical conditions that water utilities can use to identify such increases from landside groundwater due to the decreasing water demand?

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2. Please indicate that if the result observed from in the region of Saxony is site specific? Otherwise, please indicate the applicability of this study to other sites?

3. Any benefits from the decreasing water demand in a bank filtration system? For example, longer travel times as the result of low demand of water during bank filtration may improve some organic micropollutants?

4. Can MT3D MODEL shows the fraction of a bank filtrate is reduced by changing the pumping rates? It will be nice to show in the paper not only the direction of flow but also the percentage increased from landside groundwater.

Interactive comment on Drink. Water Eng. Sci. Discuss., 2, 101, 2009.

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