

Interactive comment on “Water quality and treatment of river bank filtrate” by W. W. J. M. de Vet et al.

Anonymous Referee #2

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This is an interesting manuscript especially for engineers operating water treatment plants. The manuscript discusses two basic problems: water mixing from two different water reservoirs and water treatment.

A main goal of the manuscript is to determine that the quality of the raw water is the result of redox reactions and mixing of river bank filtrate and polder water. To this end, the authors use and try to analyze data from the wells and the treatment plants of a Water Company in the Netherlands. They do not present data neither of redox values nor of flow rates. Thus, they use measurements of pollutants' concentrations to support the validity of their speculation. However, these long term data were obtained at different time intervals (2005-2009, 1998, 1999-2000, 1997-2006) and questions arise for the validity of their speculations.

Drinking water treatment is the second main goal of the manuscript. The authors describe the effectiveness of the used methods of the Water Company. However, they miss important literature information about simultaneous removal of iron, ammonia and manganese and their redox interactions. The biological approach is very weak.

Interactive comment on Drink. Water Eng. Sci. Discuss., 2, 127, 2009.

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