

Interactive comment on “Removal and transformation of pharmaceuticals in wastewater treatment plants and constructed wetlands” by E. Lee et al.

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Received and published: 13 July 2013

The authors would like to thank you for referee’s constructive comments concerning our study entitled “Removal and Transformation of Pharmaceuticals in Wastewater Treatment Plants and Constructed Wetlands”. I have studied your comments carefully and made major correction which I hope meet with your approval. I answer your questions or comments in details in the following texts. Detailed answer to review:

There was no disinfection system in the Damyang WWTP. In case of the Gwangju 1 and Gwangju 2 WWTPs, sodium hypochlorite was added as a disinfectant and every final effluent was collected after disinfection for this study. The removal efficiency was

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calculated by comparing the concentrations of PPCPs in the influent and final effluent of each WWTP. Unfortunately, the contribution of different transport mechanisms such as biodegradation, adsorption to sludge and sediments, and oxidation during disinfection was not considered here. However, it is thought to be meaningful to examine the relationship between removal efficiency of PPCPs and transport mechanisms for further study.

Interactive comment on Drink. Water Eng. Sci. Discuss., 6, 97, 2013.

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