Accepted Manuscript

Effects and mechanisms of ultraviolet, chlorination, and ozone disinfection on antibiotic resistance genes in secondary effluents of municipal wastewater treatment plants

Ji Zheng, Chao Su, Jianwen Zhou, Like Xu, Yanyun Qian, Hong Chen

PII: S1385-8947(17)30241-3

DOI: http://dx.doi.org/10.1016/j.cej.2017.02.076

Reference: CEJ 16515

To appear in: Chemical Engineering Journal

Received Date: 1 January 2017 Revised Date: 13 February 2017 Accepted Date: 14 February 2017



Please cite this article as: J. Zheng, C. Su, J. Zhou, L. Xu, Y. Qian, H. Chen, Effects and mechanisms of ultraviolet, chlorination, and ozone disinfection on antibiotic resistance genes in secondary effluents of municipal wastewater treatment plants, *Chemical Engineering Journal* (2017), doi: http://dx.doi.org/10.1016/j.cej.2017.02.076

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Effects and mechanisms of ultraviolet, chlorination, and ozone disinfection on antibiotic resistance genes in secondary effluents of municipal wastewater treatment plants

Ji Zheng¹, Chao Su¹, Jianwen Zhou², Like Xu¹, Yanyun Qian¹, Hong Chen¹*

¹Department of Environmental Engineering, College of Environmental and Resource Sciences;

Zhejiang University, Hangzhou 310058, China

²Hangzhou Water Holding Group Company Ltd., Hangzhou 310058, China

*Corresponding author. Tel.: +86-571-8898-2028; fax: +86-571-8898-2028.

E-mail address: chen_hong@zju.edu.cn

Download English Version:

https://daneshyari.com/en/article/4763218

Download Persian Version:

https://daneshyari.com/article/4763218

<u>Daneshyari.com</u>