Accepted Manuscript

Impact of water characteristics on the bioenergy recovery from sewage treatment by anaerobic membrane bioreactor via a comprehensive study on the response of microbial community and methanogenic activity



Yulun Nie, Rong Chen, Xike Tian, Yu-You Li

PII: S0360-5442(17)31362-2

DOI: 10.1016/j.energy.2017.07.168

Reference: EGY 11356

To appear in: Energy

Received Date: 28 April 2017

Revised Date: 29 June 2017

Accepted Date: 29 July 2017

Please cite this article as: Yulun Nie, Rong Chen, Xike Tian, Yu-You Li, Impact of water characteristics on the bioenergy recovery from sewage treatment by anaerobic membrane bioreactor via a comprehensive study on the response of microbial community and methanogenic activity, *Energy* (2017), doi: 10.1016/j.energy.2017.07.168

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

Impact of water characteristics on the bioenergy recovery from sewage 1 treatment by anaerobic membrane bioreactor via a comprehensive study on the 2 3 response of microbial community and methanogenic activity 4 Yulun Nie a,b,1, Rong Chen b,c,1, Xike Tian a,*, Yu-You Li b,* 5 6 ^a Faculty of Materials Science and Chemistry, China University of Geosciences, 7 Wuhan, 430074, P. R. China 8 ^b Department of Civil and Environmental Engineering, Graduate School of 9 Engineering, Tohoku University, 6-6-06 Aoba, Sendai, Miyagi 980-8579, Japan 10 ^c International Science & Technology Cooperation Center for Urban Alternative 11 12 Water Resources Development; Key Lab of Northwest Water Resource, Environment and Ecology, MOE; Xi'an University of Architecture and Technology, No. 13, Yanta 13 Road, Xi'an, 710055, China 14 15 ¹The author contributed equally to this study and share first authorship 16 *Corresponding author Tel: +81-22-795-7464; Fax: +81-22-795-7465 17

E-mail: gyokuyu.ri.a5@tohoku.ac.jp (Y.-Y. Li); xktian@cug.edu.cn (X. K. Tian)

18

19

Download English Version:

https://daneshyari.com/en/article/8072727

Download Persian Version:

https://daneshyari.com/article/8072727

<u>Daneshyari.com</u>