

## Accepted Manuscript

The effect of aeration types on foulant removal in *ex-situ* chemical cleaning in place (CIP) with membranes fouled by secondary effluents

Eui-Jong Lee, Young-Hoon Kim, Min Jung Jeon, Hyung-Soo Kim

PII: S1385-8947(17)31696-0  
DOI: <https://doi.org/10.1016/j.cej.2017.09.193>  
Reference: CEJ 17778

To appear in: *Chemical Engineering Journal*

Received Date: 5 August 2017  
Revised Date: 29 September 2017  
Accepted Date: 30 September 2017



Please cite this article as: E-J. Lee, Y-H. Kim, M. Jung Jeon, H-S. Kim, The effect of aeration types on foulant removal in *ex-situ* chemical cleaning in place (CIP) with membranes fouled by secondary effluents, *Chemical Engineering Journal* (2017), doi: <https://doi.org/10.1016/j.cej.2017.09.193>

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.

**The effect of aeration types on foulant removal in *ex-situ* chemical cleaning in place (CIP) with membranes fouled by secondary effluents**

**Eui-Jong Lee<sup>1</sup>, Young-Hoon Kim<sup>2</sup>, Min Jung Jeon<sup>1</sup>, Hyung-Soo Kim<sup>1\*</sup>**

<sup>1</sup> Graduate School of Water Resources, Sungkyunkwan University, 2066 Seobu-ro, Jangan-gu, Suwon, Gyeonggi-do, 440-746, Republic of Korea

<sup>2</sup> Daewoo institute of construction technology, Jangan-gu, Suwon, Gyeonggi-do, 440-210, Republic of Korea

\* Corresponding Author: E-mail: [sookim@skku.edu](mailto:sookim@skku.edu), Tel: +(82)-31-290-7520, Fax: +(82)-31-290-7545

Download English Version:

<https://daneshyari.com/en/article/6581084>

Download Persian Version:

<https://daneshyari.com/article/6581084>

[Daneshyari.com](https://daneshyari.com)