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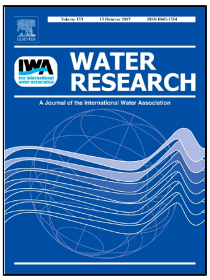

Impact of ozonation and biological activated carbon filtration on ceramic membrane fouling

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PII:	S0043-1354(17)30745-5
DOI:	10.1016/j.watres.2017.09.012
Reference:	WR 13206
To appear in:	*Water Research*
Received Date:	23 May 2017
Revised Date:	24 August 2017
Accepted Date:	04 September 2017

Please cite this article as: Khaled Ibn Abdul Hamid, Peter Sanciolo, Stephen Gray, Mikel Duke, Shobha Muthukumaran, Impact of ozonation and biological activated carbon filtration on ceramic membrane fouling, *Water Research* (2017), doi: 10.1016/j.watres.2017.09.012

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Highlights

1. BAC improved the permeability of the CMF by removing a large proportion of biopolymer
2. O3 improved permeability and permeate quality of CMF to a greater extent than BAC
3. O3 removed biopolymers (100%) and HS (84%) to obtain greater permeability of CMF
4. Inclusion of BAC between O3 treatment and ceramic filtration was detrimental