



**Environmental  
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**Effects of Peracetic Acid on Aromatic Polyamide  
Nanofiltration Membranes: A Comparative Study with  
Chlorine**

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Peracetic acid (PAA) is an emerging wastewater disinfectant, but its interaction with polyamide membranes has not been considered under wastewater reuse conditions. Here we showed that PAA is overall compatible with polyamide membrane, even in the presence of chloride and Fe(II). Surface characterization suggests that PAA led to oxygen incorporation on membrane surface as carboxylic acid or ring oxidation products.