

Accepted Manuscript

Title: Application of UF/NF/RO membranes for treatment and reuse of rendering plant wastewater

Author: Marko Racar Davor Dolar Ana Špehar Krešimir Košutić



PII: S0957-5820(16)30285-3
DOI: <http://dx.doi.org/doi:10.1016/j.psep.2016.11.015>
Reference: PSEP 918

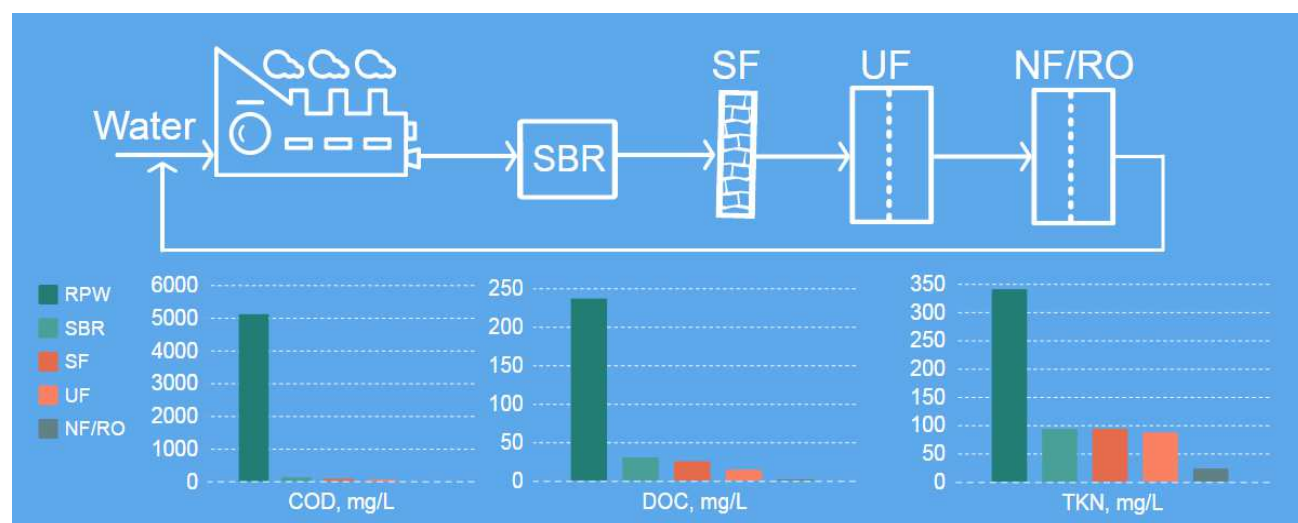
To appear in: *Process Safety and Environment Protection*

Received date: 20-9-2016
Revised date: 14-11-2016
Accepted date: 17-11-2016

Please cite this article as: Racar, M., Dolar, D., Špehar, A., Košutić, K., Application of UF/NF/RO membranes for treatment and reuse of rendering plant wastewater, *Process Safety and Environment Protection* (2016), <http://dx.doi.org/10.1016/j.psep.2016.11.015>

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.

Graphical abstract



Highlights:

- Application of membrane technologies for the reuse of rendering plant wastewater.
- UF membranes effectively reduced COD, DOC and turbidity.
- NF/RO permeates were suitable for reuse in the rendering plant.
- Significant decrease of water consumption could be achieved.
- Sand filtration pre-treatment significantly increased the UF water flux.

Download English Version:

<https://daneshyari.com/en/article/4981054>

Download Persian Version:

<https://daneshyari.com/article/4981054>

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