



A new concept for cosmetic wastewater treatment by a suitable classification and separation system

Marie-Luis Schirmer*, Axel Melzer, Lukas Ritzenhofen, Moritz Nagel, Jens Tränckner

Department of Water Management, University of Rostock, Rostock, Germany, Tel. +49381 498 3640; emails: marie_luis.schirmer@yahoo.de (M.-L. Schirmer), axel.melzer@uni-rostock.de (A. Melzer), lukas.ritzenhofen@uni-rostock.de (L. Ritzenhofen), moritz@nagelschwerin.de (M. Nagel), jens.traenckner@uni-rostock.de (J. Tränckner)

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ABSTRACT

A new approach for a successful treatment concept of industrial cosmetic wastewater is shown. Splitting the wastewater flow into various material streams based on fundamental characteristics enables distinct adapted treatment and disposal methods, respectively. Industrial wastewater still contains valuable and even recyclable materials that should not be disposed of as waste. A holistic treatment of the total wastewater flow comprising diverse material streams is very challenging due to a frequently changing product range. The developed concept provides a functional and yet simple approach by classifying material and wastewater streams that could be treated by distinct adapted processes. Most of the industrial wastewater achieved a quality that allows a cost-effective discharge via the municipal wastewater system.

Keywords: Cosmetic wastewater treatment; Technologies; Industrial effluents

* Corresponding author.