Decision Supporting System for Design of Wastewater Treatment

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Abstract
The conceptual design of industrial wastewater treatment flowsheets implies the selection and sequencing of technologies in order to obtain a set of feasible treatment options. A design methodology was developed to support engineers in the conceptual design of wastewater treatment facilities and to help them to improve creativeness and effectiveness. The paper describes the method and the computer tool for support of preliminary design of wastewater treatment system by using past design knowledge. The computer tool has been successfully used for preliminary design phase of flowsheet synthesis for treatment of several wastewater streams from electroplating plants.