

**MODELING ACTIVATED SLUDGE DILUTION IN SECONDARY CLARIFIERS.
APPLICATION TO THE PREDICTION OF THE SLUDGE BLANKET HEIGHT**

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ABSTRACT

In this study, a methodology for the simulation of the activated sludge secondary clarifiers is presented. The proposed approach, relies on the integration of previous models and it is based on the phenomenon of dilution of the incoming activated sludge in the feeding well of the settling tanks. The only requirements are limited to these parameters which are readily incorporated in the routine analysis performed in a activated sludge plant, therefore eleviating the need for additional experimental or computational effort.

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