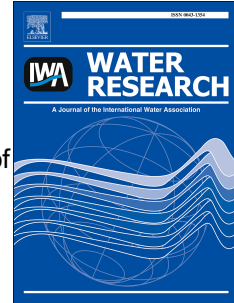


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Evaluation of three turbulence models in predicting the steady state hydrodynamics of a secondary sedimentation tank

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6 **Nomenclature**

7	CFD	Computational fluid dynamics
8	SKE	Standard $k$ - $\varepsilon$ model
9	RNG	Renormalization group $k$ - $\varepsilon$ model
10	RAS	Returned activated sludge
11	SBH	Sludge blanket height
12	ESS	Effluent suspended solids
13	SST	Secondary sedimentation tank
14	SS	Suspended solids
15	SOR	Surface overflow rate
16	1-D	One dimensional
17	2-D	Two dimensional

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